



Curriculum vitae  
Europass



**Informații personale**

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Naționalitate **Română**

Funcția **Rector al Universității Naționale de Știință și Tehnologie POLITEHNICA București**

**Experiența profesională**

Perioada **2012 – prezent**

Funcția sau postul ocupat **Rector**

Activități și responsabilități principale **Realizează managementul și conducerea operativă a universității, pe baza contractului de management.  
Negociază și semnează contractele cu Ministerul Educației.  
Propune spre aprobare Senatului Universitar structura și reglementările de funcționare ale universității.  
Propune spre aprobare Senatului Universitar proiectul de buget și raportul privind execuția bugetară.  
Îndeplinește alte atribuții stabilite de Senatul Universitar.**

Numele și adresa angajatorului **Universitatea POLITEHNICA din București, Splaiul Independenței nr. 313, sector 6, București (2012 – iulie 2023)**  
**Universitatea Națională de Știință și Tehnologie POLITEHNICA București, Splaiul Independenței nr. 313, sector 6, București (iulie 2023 – prezent)**

Tipul activității sau sectorul de activitate **Management, educație**

Perioada **2012–2014**

Funcția sau postul ocupat **Ministru delegat pentru învățământ superior, cercetare științifică și dezvoltare tehnologică**

Activități și responsabilități principale **Elaborează, aplică, monitorizează și evaluează metodologiile și politicile din domeniul învățământului superior, cercetării științifice, dezvoltării și inovării.  
Alocă, monitorizează și evaluează utilizarea resurselor pentru implementarea politicilor.  
Elaborează cadrul normativ metodologic, funcțional, operațional, instituțional și financiar, necesar pentru realizarea obiectivelor strategice din domeniile sale de activitate.  
Reprezintă Guvernul în organismele/instituțiile și organizațiile naționale, regionale și internaționale, în calitate de coordonator al autorității de stat pentru domeniile cercetării științifice și învățământului superior.**

Numele și adresa angajatorului **Ministerul Educației Naționale, strada General H.M. Berthelot nr. 28–30, sector 1, București**

Tipul activității sau sectorul de activitate **Management, educație**

	<b>Perioada</b>	<b>2018 –prezent</b>
	<b>Funcția sau postul ocupat</b>	Director în Consiliul Director al Conferinței Universităților Tehnice Europene de Educație și Cercetare (CESAER), Președinte al Grupului de lucru strategic Învățare&Predare al CESAER (2020-2021), vicepreședinte CESAER (2020-2021)
	<b>Perioada</b>	<b>2017 - prezent</b>
	<b>Funcția sau postul ocupat</b>	Membru în Consiliului de Administrație al Agence Universitaire de la Francophonie (AUF)
	<b>Perioada</b>	<b>2012 - prezent</b>
	<b>Funcția sau postul ocupat</b>	Secretar General al Consiliului Național al Rectorilor
	<b>Perioada</b>	<b>2005–2012</b>
	<b>Funcția sau postul ocupat</b>	Director General Administrativ
	<b>Activități și responsabilități principale</b>	Asigură conducerea operativă a universității, coordonează și monitorizează desfășurarea activităților de cercetare științifică, a managementului proiectelor cu finanțare externă a activităților complexelor studențești Regie și Leu, activităților tehnico-administrative, de achiziții, precum și gestionarea unitară a activităților de secretariat din universitate. Coordonează activitatea resurselor umane și dezvoltarea administrativă, procesul de informatizare a universității, gestionarea și protejarea patrimoniului și resurselor financiare.
	<b>Numele și adresa angajatorului</b>	Universitatea POLITEHNICA din București
	<b>Tipul activității sau sectorul de activitate</b>	Management
	<b>Perioada</b>	<b>1997 – prezent</b>
	<b>Funcția sau postul ocupat</b>	Cadru didactic asociat
	<b>Numele și adresa angajatorului</b>	Academia de Studii Economice din București, Școala Națională de Studii Politice și Administrative, Universitatea Națională de Știință și Tehnologie Politehnica București
	<b>Tipul activității sau sectorul de activitate</b>	Management / Managementul proiectelor, educație
	<b>Perioada</b>	<b>2009</b>
	<b>Funcția sau postul ocupat</b>	Secretar de Stat
	<b>Activități și responsabilități principale</b>	Coordonarea activității de Buget, Finanțe și Investiții, Informatizare și Resurse. Implementarea proiectelor finanțate din fonduri rambursabile sau nerambursabile. Coordonarea activității de elaborare, avizare și aplicare a actelor normative în domeniul educației și cercetării. Reprezentarea ministerului în relația cu instituții din subordinea acestuia sau cu alte instituții ale administrației centrale și locale pe plan național și internațional.
	<b>Numele și adresa angajatorului</b>	Ministerul Educației, Cercetării și Inovării
	<b>Tipul activității sau sectorul de activitate</b>	Management, educație
	<b>Perioada</b>	<b>2004–2005</b>
	<b>Funcția sau postul ocupat</b>	Manager de proiect
	<b>Activități și responsabilități principale</b>	Coordonarea activității echipei de management a proiectului. Gestionarea resurselor proiectului în vederea implementării eficiente și în conformitate cu graficul stabilit al activităților. Aprobarea rapoartelor tehnice și financiare; colaborarea cu instituția finanțatoare și cu alte instituții implicate.
	<b>Numele și adresa angajatorului</b>	Unitatea de Management a Proiectelor pentru Reabilitarea Infrastructurii Școlare, Ministerul Educației și Cercetării
	<b>Tipul activității sau sectorul de activitate</b>	Management de proiect, educație





Perioada **2001–2004**  
Funcția sau postul ocupat Secretar General  
Activități și responsabilități principale Coordonarea activității de elaborare, avizare și aplicare a actelor normative în domeniul educației și cercetării; gestionarea resurselor umane, a celor financiare și de patrimoniu din cadrul ministerului; reprezentarea ministerului în relația cu instituții din subordinea acestuia sau cu alte instituții ale administrației centrale și locale.  
Numele și adresa angajatorului Ministerul Educației și Cercetării  
Tipul activității sau sectorul de activitate Management, educație

Perioada **1999–2001**  
Funcția sau postul ocupat Președinte  
Activități și responsabilități principale Coordonarea activității în cadrul companiei.  
Gestionarea eficientă a resurselor umane, financiare și de patrimoniu.  
Stabilirea strategiei de dezvoltare a companiei, pe termen scurt și lung.  
Numele și adresa angajatorului S.C. CITEX S.A.  
Tipul activității sau sectorul de activitate Management

Perioada **1995–1999**  
Funcția sau postul ocupat Inginer / Șef Serviciu Marketing  
Activități și responsabilități principale Coordonarea activităților de marketing pentru produsele întreprinderii.  
Realizarea strategiei de marketing.  
Numele și adresa angajatorului S.C. Mecanică Fină S.A.  
Tipul activității sau sectorul de activitate Marketing / Management

#### **Educație și formare**

Perioada **2010–2011**  
Calificarea / diploma obținută Certificat de absolvire  
Disciplinele principale studiate / competențe profesionale dobândite Management universitar  
Numele și tipul instituției de învățământ / furnizorului de formare Academia de Studii Economice din București, Piața Romană nr. 6, sector 1, București

Perioada **2002–2003**  
Calificarea / diploma obținută Studii postuniversitare  
Disciplinele principale studiate / competențe profesionale dobândite Securitate națională  
Numele și tipul instituției de învățământ / furnizorului de formare Ministerul Apărării Naționale, Colegiul Național de Apărare, Șoseaua Panduri nr. 68–72, sector 5, București  
Nivelul în clasificarea națională sau internațională ISCED 6

Perioada **1996–1997**  
Calificarea / diploma obținută Studii aprofundate  
Disciplinele principale studiate / competențe profesionale dobândite Inginerie economică



Numele și tipul instituției de învățământ / furnizorului de formare      Universitatea POLITEHNICA din București

Nivelul în clasificarea națională sau internațională      ISCED 6

**Perioada 1991–1996**

Calificarea / diploma obținută      Diplomă de licență

Disciplinele principale studiate / competențe profesionale dobândite      Inginerie economică

Numele și tipul instituției de învățământ / furnizorului de formare      Universitatea POLITEHNICA din București, Facultatea Ingineria și Managementul Sistemelor Tehnologice

Nivelul în clasificarea națională sau internațională      ISCED 5

**Perioada 1995**

Calificarea / diploma obținută      Certificat de participare

Disciplinele principale studiate / competențe profesionale dobândite      Administrație Publică și Centrală

Numele și tipul instituției de învățământ / furnizorului de formare      Harvard University, Cambridge, USA, stagiul – bursă de studii, perioada: 3 luni

**Perioada 1994**

Calificarea / diploma obținută      Certificat de participare

Disciplinele principale studiate / competențe profesionale dobândite      Inginerie economică

Numele și tipul instituției de învățământ / furnizorului de formare      Oxford University, Regatul Unit al Marii Britanii și Irlandei de Nord, stagiul de studii, perioada: 3 luni

**Perioada 1993**

Calificarea / diploma obținută      Certificat de participare

Disciplinele principale studiate / competențe profesionale dobândite      Inginerie economică

Numele și tipul instituției de învățământ / furnizorului de formare      L'Université Paris-Sorbonne (Paris IV), Franța, stagiul de studii, perioada: 3 luni

**Aptitudini și competențe personale**

Limba maternă      **Română**

Limba(i) străină(e) cunoscută(e)

Autoevaluare Nivel european (*)	Înțelegere		Vorbire		Scriere
	Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
<b>Franceză</b>	<b>C1</b> Utilizator experimentat	<b>C1</b> Utilizator experimentat	<b>C1</b> Utilizator experimentat	<b>B2</b> Utilizator independent	<b>B1</b> Utilizator independent



**Engleză**

C1 Utilizator experimentat C1 Utilizator experimentat C1 Utilizator experimentat B2 Utilizator independent B1 Utilizator independent

(\*) Nivelul Cadrului European Comun de Referință pentru Limbi Străine

**Competențe și abilități sociale**

Competențe și aptitudini organizatorice

În concordanță cu specificul activității profesionale (activități de management, coordonare și monitorizare a proceselor și acțiunilor întreprinse la nivel administrativ), dedic o mare parte a timpului interacțiunilor cu colaboratorii, persoane cu experiență, dar și tineri, studenți și absolvenți, în activitatea cărora mă implic pentru a le susține inițiativele valoroase.

Toate aceste tipuri de activități descrise mai sus au presupus dezvoltarea și exersarea continuă a competenței de comunicare și a celeia de lucru în echipă. Mai mult decât atât, cursurile, stagiile de practică și de studiu, naționale și internaționale, la care am participat au constituit tot atâtea oportunități pentru dezvoltarea abilității de lucru în medii interculturale, în care comunicarea interpersonală, între membrii echipei, și cea formală, cu participanții la curs, au jucat un rol major pentru atingerea obiectivelor activităților respective.

Ca urmare a pozițiilor manageriale deținute din 1995 până în prezent (manager de firmă, secretar general, secretar de stat și ministru delegat în ministerul educației, director general administrativ și rector în universitate, manager de proiect etc.), consider ca am câștigat experiență în ceea ce presupune coordonarea și administrarea activităților, precum și în conducerea personalului din instituțiile publice și private, dar și a proiectelor (de la elaborare până la implementare).

Utilizez această experiență în procesul de luare a deciziilor și în crearea unui mediu care să încurajeze inițiativa și cooperarea pentru realizarea performanței și a unei dezvoltări durabile. În conformitate cu responsabilitățile mele profesionale actuale sunt deseori în situația de a lua decizii, de a elabora strategii și de a-mi organiza ideile sub forma planurilor de acțiune în vederea implementării acestora.

După cum am menționat, am obisnuița lucrului în echipă ca membru, dar și pe aceea a construirii și coordonării echipelor de lucru sau de proiect. Mă adaptez cu ușurință noilor situații profesionale și obișnuiesc să utilizez analiza logică pentru desprinderea concluziilor și îndeplinirea activităților planificate.

Competențe și aptitudini tehnice

Elaborarea și coordonarea de proiecte educaționale, proiecte de dezvoltare în cariera didactică, managementul proiectelor europene și de investiții.  
Consultanță în analiza financiară, plan de afaceri, studii de fezabilitate.  
Elaborarea de legislație, atât primară, cât și secundară, în domeniul economic și pentru sistemul de învățământ.

Competențe și aptitudini de utilizare a calculatorului

Microsoft Office™ (Word™, Excel™ și PowerPoint™), bună utilizare a tehnologiilor de informare și comunicare.

Permis(e) de conducere

Categoria B





## Informații suplimentare

### Comisii, consilii de specialitate și evenimente relevante

- 2001–2004 Membru în Comisia de Negociere a Guvernului României cu Fondul Monetar Internațional și Banca Mondială
- 2001–2004 Membru în Consiliul de Administrație al Institutului Național de Administrație
- 2003–2004, 2009 Membru în Consiliul de Conducere al Institutului Cultural Român.
- 27–30 mai 2007 Membru în Comitetul de Pilotaj al Proiectului de Asistență Tehnică „Dezvoltarea procesului de formulare a politicilor publice la nivelul administrației publice centrale”, din cadrul programului PHARE RO 2006/018-147.01.03.03.01 „Susținerea reformei administrației publice prin îmbunătățirea procesului de formulare a politicilor publice”, perioada 30 noiembrie 2008 – 30 noiembrie 2009
- 30 noiembrie 2008 – 30 noiembrie 2009 Membru în Comitetul de Pilotaj al Proiectului de Asistență Tehnică „Dezvoltarea procesului de formulare a politicilor publice la nivelul administrației publice centrale”, din cadrul programului PHARE RO 2006/ 018-147.01.03.03.01 „Susținerea reformei administrației publice prin îmbunătățirea procesului de formulare a politicilor publice” – program european
- 2009 Membru în Consiliul de Administrație al Institutului Național de Cercetare-Dezvoltare în Informatică – ICI București.
- 2009 Membru în Comisia de Negociere a Guvernului României cu Fondul Monetar Internațional, Banca Mondială și Uniunea Europeană
- 23–24 septembrie 2009 Reprezentantul României la Reuniunea miniștrilor educației, Göteborg, Suedia (alocuțiune privind educația continuă în învățământul superior).
- 16 februarie 2009 Reprezentantul României la Consiliul pe Educație, Tineret și Cultură, Bruxelles, Belgia
- 23–24 februarie 2009 Reprezentantul României la Conferința Mării Negre privind Integrarea Regională și Creșterea Incluziunii, Atena, Grecia
- 28–29 aprilie 2009 Reprezentantul României la Conferința ministerială privind Procesul de la Bologna – 6<sup>th</sup> Bologna Ministerial Conference, Leuven and Louvain-la-Neuve (alocuțiune cu privire la stadiul implementării obiectivelor Procesului Bologna), Italia
- 5–8 iulie 2009 Reprezentantul României la World Conference on Higher Education (WCHE): „The New Dynamics of Higher Education and Research for Social Change and Development”, UNESCO, Paris, Franța
- 19 martie 2009 Participare și intervenție la Conferința de Lansare a Proiectelor Strategice privind Viitorul Învățământului Superior, Sala „C.A. Rosetti”, Palatul Parlamentului, București, România
- 1–3 noiembrie 2012 Membru în Comitetul de organizare pentru ISBTEH 2012 – International Symposium „Achievements and Prospects in Biotechnical Engineering Systems”, București, România
- aprilie 2013 Conducătorul delegației României la *Cea de-a XVIII-a reuniune a Comitetului mixt al miniștrilor CEEPUS* (Central European Exchange Program for University Studies), Viena, Austria
- mai 2013 Susținerea unei alocuțiuni cu privire la rolul universităților francofone în dezvoltarea învățământului mondial; conducătorul delegației României la Adunarea Generală a Agenției Universitare a Francofoniei (AUF), Sao Paulo, Brazilia
- iunie 2013 Participare la *Reuniunea laureaților Premiului Nobel pentru Chimie*, Lindau, Germania
- octombrie 2013 Conducătorul delegației României la *Cea de-a X-a ediție a reuniunii Forumului Anual pentru Știință și Tehnologie în Societate* și la *Cea de-a X-a ediție a Mesei Rotunde a miniștrilor cu atribuții în domeniile științei și tehnologiei*, Tokyo și Kyoto, Japonia
- noiembrie 2013 Conducătorul delegației României la *Evenimentul de lansare a Anului Științei Uniunea Europeană – Federația Rusă 2014*, Moscova și Dubna, Rusia
- ianuarie 2014 Conducătorul delegației României la *Reuniunea la nivel ministerial a Forumului Internațional pentru Explorare Spațială (ISEF)* și la *Summitul Șefilor de Agenții Spațiale privind Explorarea Spațială* (susținere alocuțiune privind participarea României la Programul Spațial Internațional), Washington, SUA
- 2014–2020 Membru în Comitetului de Monitorizare pentru Programul Operațional Infrastructura Mare (POIM), Ministerul Investițiilor și Proiectelor Europene, București, România
- 10 ianuarie 2019 Keynote speaker – deschiderea oficială a Președinției României la Consiliul European, secțiunea „Innovation, Connectivity and Digitalization as Cohesion factors”, Strasbourg, Franța
- 20–22 martie 2019 Keynote speaker – la forumul regional Global Engineering Deans Council (GEDC), București, România
- 27–28 martie 2019 Keynote speaker – la Critical Infrastructure Protection Forum,

Digital Transformation of Cities and Implications for Critical Infrastructure protection”, București, România

- 1–2 aprilie 2019 Keynote speaker – în cadrul Conferinței interparlamentare privind Viitorul Uniunii Europene, ca urmare a Președinției Române a Consiliului Uniunii Europene, sesiunea I. „Policies of the Future. Debates with representatives of european political groups”, Strasbourg, Franța
- 2–3 aprilie 2019 Keynote speaker – la evenimentul INFO-DAY, dedicat cercetării, dezvoltării, tehnologiei și inovării, sesiunea „Potential of Common actions” din cadrul programului Uniunii Europene
- 15–17 mai 2019 Keynote speaker – la Grand Challenges Scholars Program (GCSP), workshop organizat în parteneriat cu National Academy of Sciences (NAS) din SUA
- 27–30 mai 2019 Keynote speaker – în cadrul conferinței Aerodays, 8<sup>th</sup> European Aeronautic Days, ca urmare a deținerii Președinției României la Consiliul Uniunii Europene, secțiunea plenară „Education, work force and research infrastructures”, *Towards a Sustainable development of existent reseasch and education infrastructure*, Palatul Parlamentului, București, România
- 27–31 mai 2019 Speaker – Bucharest Cyber Drill, eveniment organizat de Ministerul Comunicațiilor și Societății Informaționale, sub auspiciile Președinției Române a Consiliului Uniunii Europene, București, România
- 6–7 iunie 2019 Speaker – la Reuniunea Directorilor Generali pentru Învățământul Superior, organizat de Comisia Europeană și Ministerul Educației Naționale, în contextul Președinției României la Consiliul Uniunii Europene (prezentare „Higher Education’s answer to digitalization in its quest excellence”), București, România
- 12–13 iunie 2019 Speaker – în cadrul conferinței Planul Strategic pentru Tehnologii Energetice (SET PLAN) & Reuniunea Comisiei pentru Energie, Schimbări Climatice și Protecția Mediului (ENVE) a Comitetului European al regiunilor, cu tema „Realizarea procesului de tranziție energetică la nivel local”, organizate cu ocazia Președinției României la Consiliul Uniunii Europene, București, România
- 18 iunie 2019 Keynote speaker – la conferința „Supporting Smart Specialisation Strategies and Technology Transfer in South – East Europe”, București, România
- 18–21 iunie 2019 Keynote speaker – conferința „Innovative Enterprise Week”, ținută sub auspiciile Președinției Române a Consiliului Uniunii Europene și organizată cu sprijinul Centrului Comun de Cercetare al Comisiei Europene, Ministerul Cercetării și Inovării, UEFISCDI și Universitatea Politehnica din București, România
- 26 iunie 2019: Keynote speaker – la conferința „Working Community of the Danube Regions – The voice of regions in the Danube area” (EUSDR), București, România
- 12 februarie 2020: Speaker - Ad-Hoc Expert Group on European Univerisites, Bruxelles, Belgia
- 12-14 octombrie 2020: Speaker – Adunarea Generală a CESAER (Conferința Universităților Tehnice Europene de Educație și Cercetare), Dresden, Germania
- 21-23 februarie 2023: Speaker - Conferința ”IGK 2891 Nuclear Photonics”, Technical University Darmstadt, Germania;
- 21-24 septembrie 2023: Speaker - 41st Conference of Rectors and Presidents of European Universities of Technology (CRP), Dublin, Ireland.

**Asociații profesionale:**

- 1998 - prezent Membru al Asociației Generale a Inginerilor din România (AGIR)
- 2001 - prezent Membru al Asociației Române pentru Managementul Proiectelor
- 2004 - 2012 Președinte Executiv al Asociației Naționale a Directorilor Generali Administrativi din Universități (2007–2012), anterior membru (2004–2007)
- 2008-prezent Membru Rețeaua Reprezentanților Managementului și Administrației Universitare din Europa (HUMANE)
- 2012 - prezent Membru în Asociația Managerilor și Inginerilor Economisti din România (AMIER)
- 2016 - prezent Membru în Asociația Internațională pentru Educație din Europa (EAIE)

**Activitate în coordonarea/implementarea proiectelor**

Începând cu anul 2004, implicarea, în calitate de membru al echipei de proiect, în 26 de proiecte de cercetare, de dezvoltare a resurselor umane sau de infrastructură (dintre care la 5 în calitate de manager/director/reponsabil proiect), obținute prin competiție, finanțate din fonduri naționale sau externe.

- Distincții și premii:**
- Ordinul Național Serviciul Credincios în Rang de Cavaler, 2004
  - Ordinul Sfinții Împărați Constantin și Elena, Patriarhia Română, februarie 2015
  - Distincție pentru promovarea demnității umane și libertății religioase, acordată de International Religious Liberty Association, Liberty Magazine și North American Religious Liberty Association, Washington, aprilie 2015
  - Distincție de Mare Ofițer din partea European Innovation Award, noiembrie 2015

- Anexe**
- Premii internaționale
  - Lista de lucrări
  - Listă cereri de brevete
  - Listă contracte de cercetare și de dezvoltare a resurselor umane, finanțate din fonduri naționale sau externe





## CĂRȚI

1. **M. Costoiu**, N. Ignat - *Aplicații în managementul proiectelor*, Editura Politehnica PRESS, București, ISBN 978-606-515-040-9, 2009;
2. G. Paraschiv, **M. Costoiu**, I. Paraschiv – *Modelarea matematică și încercarea experimentală a mașinilor de frezat solul*, Editura Politehnica PRESS, București, ISBN 978-606-515-181-9, 2010;
3. A. Semenescu, **M. Costoiu**, A. Ioana, D. Marcu, M. Ciurdaș – *Doctrină economică. Teorie și teste grilă*, Editura Matrix Rom București, ISBN 978-606-25-0122-8, 2014;
4. A. Semenescu, **M. Costoiu**, A. Ioana, D. Marcu – *Analize economice. Teorie și aplicații*, Editura Matrix Rom București, ISBN 978-606-25-0155-6, 2015;
5. A. Semenescu, **M. Costoiu**, A. Ioana, D. Marcu, O. Bogdan – *Legislație comercială. Teorie și spețe*, Editura Matrix Rom București, ISBN 978-606-25-0123-5, 2015.

## STUDII

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  19. **PROCEDEU DE OBȚINERE A UNUI PRODUS TIP SCAFFOLD PE BAZĂ DE HIDROXIAPATITĂ, PENTRU RECONSTRUCȚIA DEFECTELOR OSOASE MAJORE, CU PROPRIETĂȚI FIZICO-CHIMICE PREDETERMINATE**, autori MICULESCU Florin, MAIDANIUC Andreea, COSTOIU Mihnea Cosmin, SEMENESCU Augustin, MICULESCU Marian, IONIȚĂ – RADU Florentina, ARGHIRESCU Marius, - **Brevet RO131943B1**, București
  20. **ESO-TRAHEOSCOP**, autori DEMETRIAN Alin-Dragoș, SEMENESCU Augustin, CHIVU Oana-Roxana, COSTOIU Mihnea Cosmin, DEMETRIAN Camelia, MATEȘ Ileana Mariana, DUMITRESCU Silviu, Cerere de brevet de invenție OSIM, A/00913 din 9 noiembrie 2017
  21. **USCATOR DE RUFĂ MECANO-ELECTRIC**, MICULESCU Florin, MICULESCU Marian, COSTOIU Cosmin-Mihnea, CHIVU Oana-Roxana, BARBU Catalin-Alexandru, SEMENESCU Augustin, **Brevet RO131500B1**.
  22. **ENDOPROTEZĂ SCURTĂ CERVICALĂ FEMURALĂ**, M. MOGA, A. SEMENESCU, M.C. COSTOIU, I.M. MATES, C.I CĂLIN, C.G. AMZA –, **Brevet 130731B1** din 29.07/2015.
  23. **PROTEZĂ TOTALĂ DE COT CONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU FIXARE DE TIP BALAMA ȘI SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIA FORMEI—**

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BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, SINESCU Ioanel, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, CODOREAN Ion Bogdan, MATEȘ Ileana Mariana, BARBU Cătălin Alexandru, BĂDICĂ Petre, GAVRILIU Traian-Stefan -- **Brevet RO131261B1**.

24. **PROTEZĂ TOTALĂ DE COT SEMICONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI** — BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana Mariana, CHIVU Oana – Roxana, CODOREAN Ion Bogdan, BARBU Cătălin Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, **Brevet RO131379B1**.
25. **IMPLANT PERSONALIZAT DIN MATERIALE BIORESORBABILE PENTRU FIXAREA INTERNĂ A FRACTURILOR OASELOR LUNGI** - Florin MICULESCU, Otilia ILIE, Augustin SEMENESCU, Mihnea-Cosmin COSTOIU, Valeriu GHEORGHITĂ, Alexandru MARIN, , **Brevet de Inventie RO 135711 B1**
26. **PROCEDEU DE OBTINERE A UNUI PRODUS PENTRU RECONSTRUCTIA DEFECTELOR OSOASE, PE BAZA DE HIDROXIAPATITA SI FOSFAT DE CALCIU BIFAZIC BIOGEN** - Florin Miculescu, Aura Catalina Mocanu, George Stan, Iulian Vasile Antoniac, Mihnea Cosmin Costoiu, Stefan Ioan Voicu, Marian Miculescu, Ileana Mariana Mateș, Augustin Semenescu, , **Brevet de Inventie RO 135807 B1** din 17.05.2021
27. **DISPOZITIV MECANIC CU ULTRASUNETE PENTRU CONTROLUL CALITATII ARBORILOR PE PICIOR** - PETRICEANU Constantin, PETRICEANU Alexandru Daniel, COSTOIU Mihnea Cosmin, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana, , Cerere de Brevet de Inventie nr. A 00638 din 22 oct. 2021
28. **BIOSENZOR CU UNDE ACUSTICE DE SUPRAFAȚA PE BAZA DE GRAFENĂ FUNCTIONALIZATĂ CU ANTICORP MONOCLONAL ANTI-ALFA-FETOPROTEINĂ, PENTRU DIAGNOSTICUL CANCERULUI HEPATIC**, Autori: VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MATEȘ Ileana-Mariana, PRISECARU Delia -Alexandra, OSIM A00208, 20 Apr. 2022
29. **MEMBRANĂ DE DIALIZĂ CU CAPACITATEA DE ELIBERARE CONTROLATĂ DE SUBSTANȚE ACTIVE PENTRU TRATAMENTUL CONCOMITENT ATÂT AL INSUFICIENȚEI RENALE CRONICE CÂT ȘI AL CANCERULUI HEPATIC ȘI PROCEDEUL DE OBTINERE AL ACESTEIA**, VOICU Ioan Stefan, OPREA Mădălina, PANDELE Andreea Mădălina, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MICULESCU Florin, ANTONIAC Vasile Iulian, MATEȘ Ileana Mariana, CIOCA Lucian Ionel, CBI A 2023 - 00062 din 28.03.2023
30. **PROCEDEU DE REALIZARE A UNEI ACOPERIRI COMPOZITE CU DURABILITATE CRESCUTĂ PE O SUPRAFAȚĂ METALICĂ** - Vili PASARE, Dan Florin NIȚOI, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Oana Roxana CHIVU, Dragoș-Florin MARCU Radu Claudiu FIERĂSCU, Irina FIERĂSCU, Raluca SOMOGHI, CBIA 2023 00150 din 22.05.2023
31. **MATERIAL COMPOZIT DE ACOPERIRE CU PROPRIETĂȚI ANICOROZIVE ȘI ANTIZGARIERE** - Radu Claudiu FIERĂSCU, Vili PASARE, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Dan Florin NIȚOI, Oana Roxana CHIVU, Dragoș-Florin MARCU, Irina FIERĂSCU, Raluca SOMOGHI, CBI A 2023 00150 din 22.05.2023



## **CONTRACTE DE CERCETARE ȘTIINȚIFICĂ**

### **Manager/Responsabil de proiect**

1. Proiectul pentru Reabilitarea Infrastructurii Școlare;
2. Proiect PNII Inovare: „Dezvoltarea unui sistem informatic performant pentru managementul eficient al documentelor și proceselor într-o universitate” - SUNIDOC, nr. 120/2007;
3. Proiect POSDRU/92/3.1/S/62353: „Dezvoltarea competențelor antreprenoriale – o alternativă eficientă de adaptare la piața muncii”;
4. Proiect POSDRU/90/2.1/S/62591: „Practicanții de azi profesioniștii de mâine ai televiziunilor”;
5. Proiect POSDRU/106/5.1/G/77145: „Mai multe șanse pentru un loc de muncă”;
6. Proiect POSDRU/109/2.1/G/81488: „Construiește-ți o carieră de succes”.

### **Participant în echipe de proiect**

1. Programul PHARE 2001 RO 01.04.02;
2. Proiect RELANSIN: „O nouă ofertă de servicii a sistemului informatic integrat de management universitar pentru gestiunea resurselor umane” - SIMUGERU, nr. 2160/2004;
3. Programul PHARE TVET;
4. Proiect RELANSIN: „Implementarea unui sistem informatic de gestiune a documentelor și a fluxurilor de lucru pentru managementul universității” – GEDOMANU, nr. 2151/2004;
5. Proiect CEEX: “Managementul integrat în administrarea financiară a universității” - IMAFU, nr. 48/2005;
6. Proiect PNII - Inovare: “Dezvoltarea unui portal avansat de e-learning pentru instituții de învățământ superior” – PAELIS, nr. 67/2007;
7. Lifelong Learning Programme 2007-2013, Leonardo da Vinci, Multilateral Projects Transfer of Innovation, Nr. LLP-LDV/TOI/2007/ES/149066: “Transfer of Telecenters Strategic Tools Based on Online and Distance Learning” – CIBERA;
8. Proiect Platformă Tehnologică: Materiale Multifuncționale Micro și Nanostructurate, Contract nr. 20/2006, MEDC;
9. Proiect PNII - Inovare: „Instalație eoliană de mică și medie putere pentru agricultură și întreprinderi mici și mijlocii”, Contract nr. 82/2007;
10. Proiect PNII - Inovare: “Baterie sanitară multifuncțională cu controlul digital prin senzori de proximitate al parametrilor de funcționare”, Contract nr. 63/2007;
11. Proiect CEEX: „Nanocompozite ceramice performante pentru o nouă generație de celule de combustie cu electrolit solid, de temperatură medie (IT – SOFC) – NANOCOMSIT, Contract nr. 71-031/2007;
12. Proiect CNMP: „Tehnici pentru managementul conținutului digital” - TEMACOD, Contract nr. 12099/2008;

## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

13. „Managementul integrat în administrarea activității de cercetare în universități”, Contract nr: 92-122/01.10.2008;
14. Proiect CNMP: „Sistem integrat de indexare și partajare on-line a documentelor tehnice digitizate” - SIPTEH, Contract nr. 12133/2008;
15. Proiect POSDRU/6/1.5/S/16: „Doctoranzi în sprijinul inovării și competitivității”
16. Proiect POSDRU/88/1.5/S/61178: „Competitivitate și performanță în cercetare prin programe doctorale de calitate (ProDOC)”;
17. Proiect POSDRU/86/1.2/S/63806: „Rețea națională de centre pentru dezvoltarea programelor de studii cu rute flexibile și a unor instrumente didactice la specializarea de licență și masterat, în domeniul ingineriei sistemelor”;
18. Proiect POSDRU/86/1.2/S/62689: „Formarea personalului universitar și a studenților în utilizarea instrumentelor informatice moderne în domeniul managementului universitar”;
19. Proiect POSDRU ID 54785: „Program postdoctoral pentru cercetarea avansată în domeniul nanomaterialelor”- NANOMAT.

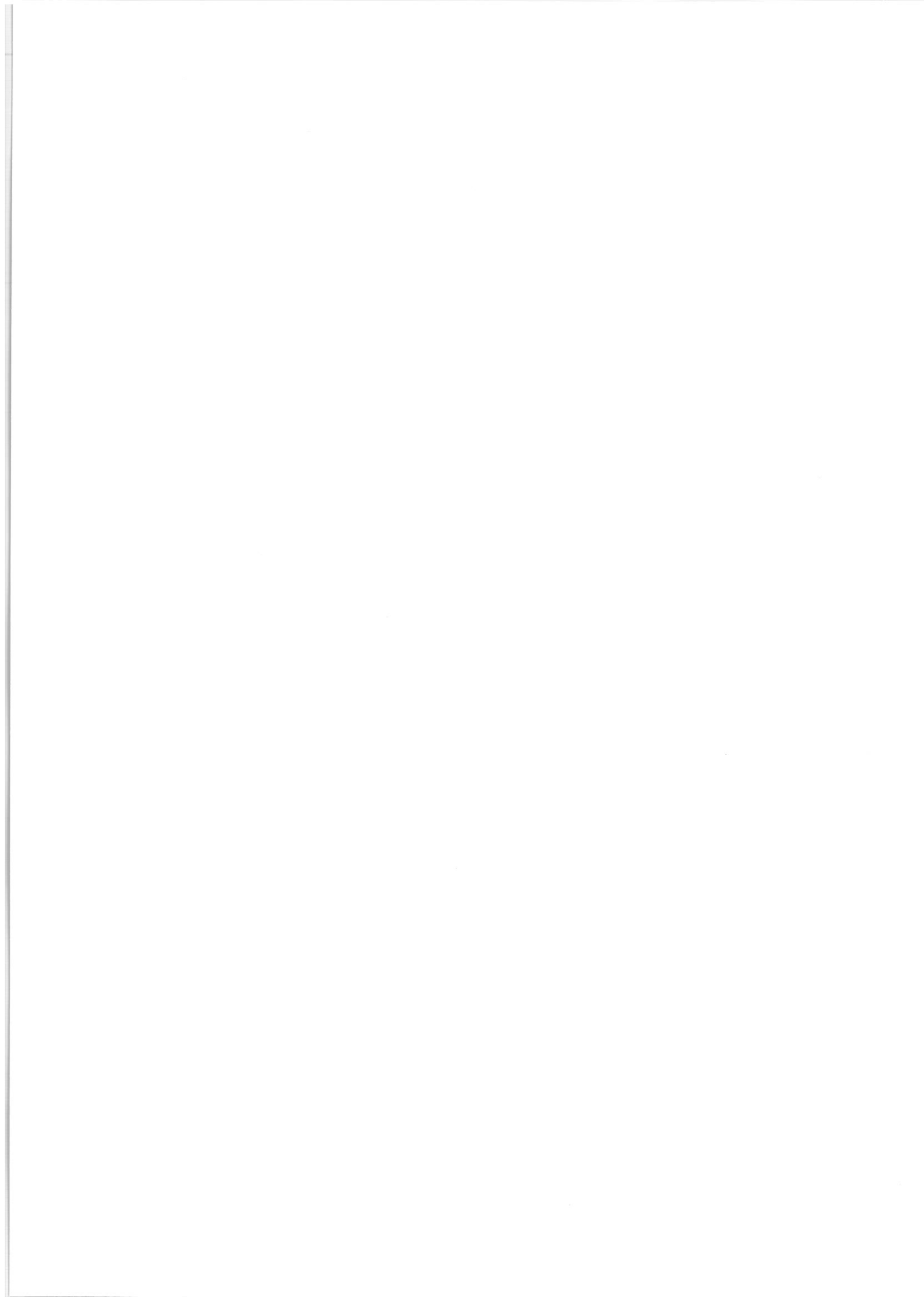


## ORDINE ȘI MEDALII INTERNAȚIONALE

- ✓ **EUROPEAN Innovation Awards** (2015)- - *OFFICER* - Finis coronat opus, Mr. COSTOIU Mihnea., RECTOR, University Politehnica of Bucharest, Romania. No. of the Cross 15111, Brussels, 20-th November, 2015.
- ✓ **Distincție** pentru promovarea demnității umane și libertății religioase, acordată de International Religious Liberty Association, Liberty Magazine și North American Religious Liberty Association, Washington, aprilie 2015
- ✓ **EUROPEAN Innovation Awards** (2016)- - *GRAND OFFICER* - Finis coronat opus, Mr. COSTOIU Mihnea., RECTOR., University Politehnica of Bucharest, Romania. No. of the Cross 19618, Brussels, 18-th November, 2016.
- ✓ **BARCELONA Innovation Awards** (2017)- - *GRAND OFFICER* – Tanta molis erat, Mr. COSTOIU Mihnea., RECTOR, University Politehnica of Bucharest, Romania. No. of the Cross 20100, Barcelona, 4-th May, 2017.
- ✓ **UNITED KINGDOM, International Invention & Trade Expo London 2023, LEADERSHIP AWARD**, - In recognition of their excellent practice and dedication in innovation and management, The High Commission of the Leadership Award hereby present Mihnea Cosmin COSTOIU has been awarded KNIGHT, certificate number: 22/3253/01, 5-6 october 2023, President signature
- ✓ **HONORARY PLAQUETTE** to Mr.Mihnea Cosmin COSTOIU – in appreciation of the outstanding efforts as General Chair of the IEEE PES Innovative Smart Grid Technologies, European 2019 Conference, 29.09 – 02.10.2019

## ORDINE ȘI MEDALII NAȚIONALE

- ✓ Ordinul Național Serviciul Credincios în Rang de Cavaler, 2004
- ✓ Ordinul Sfinții Împărați Constantin și Elena, Patriarhia Română, februarie 2015
- ✓ Distincție pentru promovarea demnității umane și libertății religioase, acordată de International Religious Liberty Association, Liberty Magazine și North American Religious Liberty Association, Washington, aprilie 2015





## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

10. **GOLD MEDAL**-- Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția II, în perioada 25-27 mai 2016, for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
11. **Special Award-SIB**-- Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția II, în perioada 25-27 mai 2016, for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
12. **DIPLOMA of participant-- EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T , IAȘI – ROMANIA, Ediția a VIIa, 20-21 Mai 2016 (EUROINVENT este singurul eveniment din România care se desfășoară cu sprijinul IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations, devenind astfel un eveniment european de elită în domeniul inovării și cercetării)**
13. **GOLD MEDAL**-- EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T , IAȘI – ROMANIA ( Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), Ediția a VIIa, 20-21 Mai 2016 (<http://www.euroinvent.org>) for **SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS**, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
14. **Special Innovation Award-Union of Inventors MOROCCO -- EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T , IAȘI – ROMANIA ( Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), Ediția a VIIa, 20-21 Mai 2016 (<http://www.euroinvent.org>) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS**, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
15. **Scientific Contribution Award**-- EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T , IAȘI – ROMANIA ( Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), Ediția a VIIa, 20-21 Mai 2016 (<http://www.euroinvent.org>) for **SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS**, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
16. **Special Award – ZAGREB INVENTORS ASSOCIATION**-- EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T , IAȘI – ROMANIA ( Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), Ediția a VIIa, 20-21 Mai 2016 (<http://www.euroinvent.org>) for **SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS**, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.

## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

17. **GOLD MEDAL**, *The 44-th International Exhibition of Inventions of Geneva-The world's most important*, 13 > 17 April 2016, Palexpo Hall 7 ([www.inventions-geneva.ch](http://www.inventions-geneva.ch)) for **SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS**, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
18. **ARCA AWARD - Union of Croatia Innovators**, *The 44-th International Exhibition of Inventions of Geneva-The world's most important*, 13 > 17 April 2016, Palexpo Hall 7 ([www.inventions-geneva.ch](http://www.inventions-geneva.ch)) for **SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS**, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
19. **HONORABLE MENTION - China Delegation of Invention and Innovation**, *The 44-th International Exhibition of Inventions of Geneva-The world's most important*, 13 > 17 April 2016, Palexpo Hall 7 ([www.inventions-geneva.ch](http://www.inventions-geneva.ch)) for **SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS**, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
20. **CERTIFICATE AWARD - Turkish Patent Institute**, *The 44-th International Exhibition of Inventions of Geneva-The world's most important*, 13 > 17 April 2016, Palexpo Hall 7 ([www.inventions-geneva.ch](http://www.inventions-geneva.ch)), ) for **SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS**, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
21. **GOLD MEDAL** —INTERNATIONAL FAIR OF INVENTION AND PRACTICAL IDEAS SIR, IAȘI – ROMANIA ( Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), September 115-18, 2016 (<http://www.inventica.org.ro/inventica2016/salon.html>) for **SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS**, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.â
22. **HEALTH AWARD** INTERNATIONAL FAIR OF INVENTION AND PRACTICAL IDEAS SIR, IAȘI – ROMANIA ( Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), September 115-18, 2016 (<http://www.inventica.org.ro/inventica2016/salon.html>) for **SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS**, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
23. **GOLD MEDAL THE HAMANGIA THINKER**—INTERNATIONAL SALON -INVENTICA , IAȘI – ROMANIA ( Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), June 29- July 1 2016 (<http://www.inventica.org.ro/inventica2016/salon.html>) for **SHORT FEMORAL STEM CERVICAL**



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- ENDOPROSTHESIS*, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
24. **Special Award and Medal**, offered by TAIWAN International Award Winners Association, at **IWIS 2016-10th International Warsaw Invention Show** (organizat de Association of Polish Inventors and Rationalizers, Patent Office of The Republic of Poland, Warsaw University of Technology), for the invention ***Total constrained elbow implant, made of shape memory alloys, with a hinge-like locking system and coupling system based on shape memory effect (OSIM A 2016 00188)***, authors Dan Batalu, Augustin SEMENESCU, Mihnea Cosmin Costoiu, Ioanel Sinescu, Vasile Iulian Antoniac, Cristian Vasile Doicin, Ion Bogdan Codorean, Ileana Mariana Mates, Catalin Alexandru Barbu, Petre Badica, Traian Stefan Gavrilu
25. **Silver Medal and Diploma**, offered by Association of Polish Inventors and Rationalizers, Patent Office of The Republic of Poland, Warsaw University of Technology, at **IWIS 2016-10th International Warsaw Invention Show**, for the invention ***Total constrained elbow implant, made of shape memory alloys, with a hinge-like locking system and coupling system based on shape memory effect (OSIM A 2016 00188)***, authors Dan Batalu, Augustin SEMENESCU, Mihnea Cosmin Costoiu, Ioanel Sinescu, Vasile Iulian Antoniac, Cristian Vasile Doicin, Ion Bogdan Codorean, Ileana Mariana Mates, Catalin Alexandru Barbu, Petre Badica, Traian Stefan Gavrilu
26. **GOLD MEDAL** of **65<sup>th</sup> Edition Brussels INNOVA 2016** for ***“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”*** invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at **65<sup>th</sup> Edition Brussels Innova 2016: International Innovation Fair (17<sup>th</sup>-19<sup>th</sup> of November 2016)**.
27. **TROPHY and Diploma “Outstanding Innovation Award”** offered by Bioactive Resources for Innovative Clinical Application Excellent Center, Thailand, 19<sup>th</sup> of November 2016, for ***“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”*** invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at **65<sup>th</sup> Edition Brussels Innova 2016: International Innovation Fair (17<sup>th</sup>-19<sup>th</sup> of November 2016)**.
28. **MEDAL and Diploma on behalf of the inventors and co-workers of Industrial Chemistry Research Institute of Warsaw, Poland, Brussels November 2016**, awarded by professor Regina Jeziorska, Manager of Polymer Technology and Processing Department for ***“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”*** invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian,

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Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at **65<sup>th</sup> Edition Brussels Innova 2016: International Innovation Fair (17<sup>th</sup>-19<sup>th</sup> of November 2016)**.

29. **MEDAL and Diploma “Outstanding Innovation Award”** offered by Bioactive Resources for Innovative Clinical Application Excellent Center, Thailand, 19<sup>th</sup> of November 2016, for **“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”** invented by Batalu Nicolae-Dan, Semenescu Augustin, **Costoiu Mihnea Cosmin**, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at **65<sup>th</sup> Edition Brussels Innova 2016: International Innovation Fair (17<sup>th</sup>-19<sup>th</sup> of November 2016)**.

## 2017

30. **GOLD MEDAL and Diploma** offered by the **JURY of The 45-th International Exhibition of Inventions of Geneva-2017**, for **“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”** invented by Batalu Nicolae-Dan, Semenescu Augustin, **Costoiu Mihnea Cosmin**, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at **The 45-th International Exhibition of Inventions of Geneva-2017**.
31. **GOLD MEDAL and Diploma** offered by the **Association of PORTUGUESE Inventors, Innovators & Creatives- Geneva-2017**, for **“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”** invented by Batalu Nicolae-Dan, Semenescu Augustin, **Costoiu Mihnea Cosmin**, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at **The 45-th International Exhibition of Inventions of Geneva-2017**
32. **GOLD MEDAL and Diploma** offered by **TAIWAN Invention Association - Geneva-2017**, for **“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”** invented by Batalu Nicolae-Dan, Semenescu Augustin, **Costoiu Mihnea Cosmin**, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana



## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

- Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoiță Olivia Doina, presented at **The 45-th International Exhibition of Inventions of Geneva-2017**
33. **Trophy & SPECIAL AWARD of OSIM (State Office for Inventions & Trademarks) RO – Geneva, 2017**, for **“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”** invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoiță Olivia Doina, presented at **The 45-th International Exhibition of Inventions of Geneva-2017**
34. **DIPLOME & MEDAILLE DE L'AGEPI (AGENCE D'ÉTAT POUR LA PROPRIÉTÉ INTÉLECTUELLE DE LA RÉPUBLIQUE DE MOLDAVIE) – Pour ses mérites à la "The 45-th International Exhibition of Inventions of Geneva-2017"**, for **“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”** invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoiță Olivia Doina,.
35. **GOLD MEDAL and Diploma of Excellence --INVENTION POT-- KINGDOM of SAUDI ARABIA Geneva, 2017**, for **“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”** invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoiță Olivia Doina, presented at **The 45-th International Exhibition of Inventions of Geneva-2017**
36. **GOLD MEDAL and Diploma of Excellence**, The XV edition of the International Exhibition of Research, Innovation and Inventions PRO INVENT, Cluj-Napoca, Romania, 22-24th of March 2017, for **“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”** invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoiță Olivia Doina.
37. **GOLD MEDAL & Special Order, and Diploma of Excellence**, The XV edition of the International Exhibition of Research, Innovation and Inventions PRO INVENT, Cluj-Napoca, Romania, 22-24th of March 2017, for **Total constrained elbow implant, made of shape memory alloys, with a hinge-like locking system and coupling system based on shape memory effect**, authors Dan Batalu, Augustin SEMENESCU, Mihnea Cosmin Costoiu, Ioanel Sinescu, Vasile Iulian Antoniac, Cristian Vasile Doicin,

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- Ion Bogdan Codorean, Ileana Mariana Mates, Catalin Alexandru Barbu, Petre Badica, Traian Stefan Gavrilii.
38. **Diploma of Excellence-University of Craiova, RO**, The XV edition of the International Exhibition of Research, Innovation and Inventions PRO INVENT, Cluj-Napoca, Romania, 22-24th of March 2017, for ***Total constrained elbow implant, made of shape memory alloys, with a hinge-like locking system and coupling system based on shape memory effect***, authors Dan Batalu, Augustin SEMENESCU, Mihnea Cosmin Costoiu, Ioanel Sinescu, Vasile Iulian Antoniac, Cristian Vasile Doicin, Ion Bogdan Codorean, Ileana Mariana Mates, Catalin Alexandru Barbu, Petre Badica, Traian Stefan Gavrilii.
39. **GOLD MEDAL and Diploma of Excellence**, The XV edition of the International Exhibition of Research, Innovation and Inventions PRO INVENT, Cluj-Napoca, Romania, 22-24th of March 2017, for ***Mechano-electric laundry dryer***, authors F. Miculescu, M. Miculescu, M.C.Costoiu, O.R.Chivu, C.A. Barbu, A. Semenescu.
40. **Diploma of Excellence-Republic of Moldova, Ministry of Education**, The XV edition of the International Exhibition of Research, Innovation and Inventions PRO INVENT, Cluj-Napoca, Romania, 22-24th of March 2017, for ***Mechano-electric laundry dryer***, authors F. Miculescu, M. Miculescu, M.C.Costoiu, O.R.Chivu, C.A. Barbu, A. Semenescu.
41. **TROPHY & PRIZE FOR EXCELENCY IN TECHNICAL CREATIVITY-Pro-Invent 2017**, Universitatea Tehnica **Gheorghe Asachi**, Iași, Romania, Institutul National de Inventica, Iași, Romania, The XV edition of the International Exhibition of Research, Innovation and Inventions PRO INVENT, Cluj-Napoca, Romania, 22-24th of March 2017.
42. **GOLD MEDAL and Diploma INNOVA BARCELONA**, The II-nd edition of the World Exhibition on Inventions, Research, and New Technologies, **Barcelona, SPAIN**, 4-6th of May 2017, for ***“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”*** invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina.
43. **OUTSTANDING INNOVATION AWARD, offered by Bioactive Resources for Innovative Clinical Application Excellent Centre, THAILAND, INNOVA BARCELONA**, The II-nd edition of the World Exhibition on Inventions, Research, and New Technologies, **Barcelona, SPAIN**, 4-6th of May 2017, for ***“Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect”*** invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina.



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44. **PRIZE OF ROMANIAN INVENTORS FORUM — CUP & DIPLOMA**, EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T 2017, IAȘI – ROMANIA ( Member of *IFIA - International Federation of Inventors' Associations* și *WIIPA - World Inventions Intellectual Property Associations*), IX-th-Edițiön, 25-27 May 2017 (<http://www.euroinvent.org>) **for Patents Demands** RO131261(A0), RO131379 (A0), RO131543(A2), RO131500(A0), RO 0001/2017(A0)
45. **DIPLOMA DE EXCELENTA si MEDALIE DE AUR- Universitatea din Craiova**, in semn de recunoastere si pretuire pentru spiritual novator afirmat in domeniul cercetarii stiintifice, concretizate in realizarea brevetului SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT, autori *BATALU Nicolae-Dan*, *SEMENESCU Augustin*, **COSTOIU Mihnea Cosmin**, *ANTONIAN Vasile Iulian*, *DOICIN Cristian-Vasile*, *AMZA Cătălin Gheorghe*, *MATEȘ Ileana-Mariana*, *CHIVU Oana-Roxana*, *CODOREAN Ion-Bogdan*, *BARBU Cătălin-Alexandru*, *BĂDICĂ Petre*, *NEGOIȚĂ Olivia-Doina*, EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T 2017, IAȘI – ROMANIA ( Member of *IFIA - International Federation of Inventors' Associations* și *WIIPA - World Inventions Intellectual Property Associations*), IX-th-Edițiön, 25-27 May 2017 (<http://www.euroinvent.org>)
46. **Special Innovation Award & GOLD MEDAL - Union of Inventors MOROCCO -- for** *BATALU Nicolae-Dan*, *SEMENESCU Augustin*, **COSTOIU Mihnea Cosmin**, *ANTONIAN Vasile Iulian*, *DOICIN Cristian-Vasile*, *AMZA Cătălin Gheorghe*, *MATEȘ Ileana-Mariana*, *CHIVU Oana-Roxana*, *CODOREAN Ion-Bogdan*, *BARBU Cătălin-Alexandru*, *BĂDICĂ Petre*, *NEGOIȚĂ Olivia-Doina*, **recognizing the Excellent and Creative Invention** SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT, EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T 2017, IAȘI – ROMANIA ( Member of *IFIA - International Federation of Inventors' Associations* și *WIIPA - World Inventions Intellectual Property Associations*), IX-th-Edițiön, 25-27 May 2017 (<http://www.euroinvent.org>)
47. **WIIPA ( World Invention Intellectual Property Associations) MEDAL & HONOR of INVENTION Diploma presented to** *BATALU Nicolae-Dan*, *SEMENESCU Augustin*, **COSTOIU Mihnea Cosmin**, *ANTONIAN Vasile Iulian*, *DOICIN Cristian-Vasile*, *AMZA Cătălin Gheorghe*, *MATEȘ Ileana-Mariana*, *CHIVU Oana-Roxana*, *CODOREAN Ion-Bogdan*, *ru BARBU Cătălin-Alexandru*, *BĂDICĂ Petre*, *NEGOIȚĂ Olivia-Doina*, **in recognition of** SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT, *exibited at* EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T 2017, IAȘI – ROMANIA ( Member of *IFIA - International Federation of Inventors' Associations* și *WIIPA - World Inventions Intellectual Property Associations*), IX-th-Edițiön, 25-27 May 2017 (<http://www.euroinvent.org>)
48. **DIPLOMA of GOLD MEDAL-- presented to** *BATALU Nicolae-Dan*, *SEMENESCU Augustin*, **COSTOIU Mihnea Cosmin**, *ANTONIAN Vasile Iulian*, *DOICIN Cristian-Vasile*, *AMZA Cătălin Gheorghe*, *MATEȘ Ileana-Mariana*, *CHIVU Oana-Roxana*, *CODOREAN Ion-Bogdan*, *ru BARBU Cătălin-Alexandru*, *BĂDICĂ Petre*, *NEGOIȚĂ Olivia-Doina*, **in recognition of** SEMICONSTRAINED TOTAL ELBOW PROSTHESIS

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MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT, *exibited at EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -EUROINVENT 2017, IAȘI – ROMANIA ( Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), IX-th-Edition, 25-27 May 2017* (<http://www.euroinvent.org>)

49. **DIPLOMA of GOLD MEDAL-- presented to** Dan Batalu, Augustin SEMENESCU, **Mihnea Cosmin Costoiu**, Ioanel Sinescu, Vasile Iulian Antoniac, Cristian Vasile Doicin, Ion Bogdan Codorean, Ileana Mariana Mates, Catalin Alexandru Barbu, Petre Badica, Traian Stefan Gavrilu, for TOTAL CONSTRAINED ELBOW IMPLANT, MADE OF SHAPE MEMORY ALLOYS, WITH A HINGE-LIKE LOCKING SYSTEM AND COUPLING SYSTEM BASED ON SHAPE MEMORY EFFECT, *exibited at EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -EUROINVENT 2017, IAȘI – ROMANIA (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), IX-th-Edition, 25-27 May 2017* (<http://www.euroinvent.org>)
50. **DIPLOMA of GOLD MEDAL-- presented to** F. Miculescu, A. Maidaniuc, **M. C. Costoiu**, A. Semenescu, M. Miculescu, F. Ionita-Radu, M. Arghirescu, for METHOD FOR OBTAINING HYDROXYAPATITE SCAFFOLDS WITH PREDETERMINED PHYSICO-CHEMICAL CHARACTERISTICS FOR MAJOR BONE RECONSTRUCTION, *exibited at EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -EUROINVENT 2017, IAȘI – ROMANIA ( Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), IX-th-Edition, 25-27 May 2017* (<http://www.euroinvent.org>)
51. **Special Innovation Award & GOLD MEDAL - Union of Inventors MOROCCO -- for** Dan Batalu, Augustin SEMENESCU, **Mihnea Cosmin Costoiu**, Ioanel Sinescu, Vasile Iulian Antoniac, Cristian Vasile Doicin, Ion Bogdan Codorean, Ileana Mariana Mates, Catalin Alexandru Barbu, Petre Badica, Traian Stefan Gavrilu, **recognizing the Excellent and Creative Invention** TOTAL CONSTRAINED ELBOW IMPLANT, MADE OF SHAPE MEMORY ALLOYS, WITH A HINGE-LIKE LOCKING SYSTEM AND COUPLING SYSTEM BASED ON SHAPE MEMORY EFFECT, *presented at EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -EUROINVENT 2017, IAȘI – ROMANIA ( Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), IX-th-Edition, 25-27 May 2017* (<http://www.euroinvent.org>)
52. **DIPLOMA of GOLD MEDAL-- presented by** F. Miculescu, M. Miculescu, **M.C.Costoiu**, O.R.Chivu, C.A. Barbu, A. Semenescu for MECHANO-ELECTRIC LAUNDRY DRYER,, *exibited at EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -EUROINVENT 2017, IAȘI – ROMANIA ( Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), IX-th-Edition, 25-27 May 2017* (<http://www.euroinvent.org>)
53. **MEDICINE AWARD TROPHY & DIPLOMA for** Dan Batalu, Augustin SEMENESCU, **Mihnea Cosmin Costoiu**, Ioanel Sinescu, Vasile Iulian Antoniac, Cristian Vasile Doicin, Ion Bogdan Codorean, Ileana Mariana Mates, Catalin Alexandru Barbu, Petre Badica, Traian Stefan Gavrilu, **recognizing the**



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- Excellent and Creative Invention** TOTAL CONSTRAINED ELBOW IMPLANT, MADE OF SHAPE MEMORY ALLOYS, WITH A HINGE-LIKE LOCKING SYSTEM AND COUPLING SYSTEM BASED ON SHAPE MEMORY EFFECT, presented at EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION - EUROINVENT 2017, IAȘI – ROMANIA ( Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), IX-th-Edition, 25-27 May 2017 (<http://www.euroinvent.org>)
54. **MEDALIE DE AUR SI DIPLOMA** pentru PROTEZĂ TOTALĂ DE COT CONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU FIXARE DE TIP BALAMA ȘI SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI, autori BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan, Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția III, în perioada 7-9 Iunie 2017.
55. **MEDALIE DE AUR SI DIPLOMA** pentru PROTEZĂ TOTALĂ DE COT SEMICONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI, autori BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBUCătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția III, în perioada 7-9 Iunie 2017.
56. **MEDALIE DE AUR SI DIPLOMA** pentru USCATOR DE RUFECANO-ELECTRIC, autori MICULESCU Florin, MICULESCU Marian, **COSTOIU Cosmin-Mihnea**, CHIVU Oana-Roxana, BARBU Catalin-Alexandru, SEMENESCU Augustin, Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția III, în perioada 7-9 Iunie 2017.
57. **MEDALIE DE AUR SI DIPLOMA** pentru PROCEDURE DE OBTINERE A UNUI PRODUS TIP SCAFFOLD PE BAZĂ DE HIDROXIAPATITĂ, PENTRU RECONSTRUCȚIA DEFECTELOR OSOASE MAJORE, CU PROPRIETĂȚI FIZICO-CHIMICE PREDETERMINATE, autori F. Miculescu, A. Maidaniuc, **M. C. Costoiu**, A. Semenescu, M. Miculescu, F. Ionita-Radu, M. Arghirescu, Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția III, în perioada 7-9 Iunie 2017
58. **PREMIU SPECIAL, MEDALIE DE AUR SI DIPLOMA din partea Universității de Medicina si Farmacie 'VICTOR BABEȘ' din Timișoara** pentru PROTEZĂ TOTALĂ DE COT SEMICONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI, autori BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția III, în perioada 7-9 Iunie 2017.

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59. **EXCELENCE DIPLOMA and SPECIAL PRIZE( TROPHY) from Banat' s University of Agricultural Sciences and Veterinary Medicine 'King Michael I of Romania' from Timișoara** for Patents Demands *RO131261(A0), RO131379 (A0), RO131543(A2), RO131500(A0), RO 0001/2017(A0)*, Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția III, în perioada 7-9 Iunie 2017.
60. **DIPLOMA DE EXCELENȚA SI TROFEUL INCDMTM din partea Institutului National de Cercetare Dezvoltare pentru Mecatronica si Tehnica Masurarii** pentru PROTEZĂ TOTALĂ DE COT CONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU FIXARE DE TIP BALAMA ȘI SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI, autori BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan, Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția III, în perioada 7-9 Iunie 2017.
61. **GOLD MEDAL INVENTICA 2017 & DIPLOMA in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, June 28-June 30 2017 offered to** BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, **for** SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT
62. **GOLD MEDAL INVENTICA 2017 & DIPLOMA in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, June 28-June 30 2017 offered to** Dan Batalu, Augustin SEMENESCU, **Mihnea Cosmin Costoiu**, Ioanel Sinescu, Vasile Iulian Antoniac, Cristian Vasile Doicin, Ion Bogdan Codorean, Ileana Mariana Mates, Catalin Alexandru Barbu, Petre Badica, Traian Stefan Gavrilu, **recognizing the Excellent and Creative Invention** TOTAL CONSTRAINED ELBOW IMPLANT, MADE OF SHAPE MEMORY ALLOYS, WITH A HINGE-LIKE LOCKING SYSTEM AND COUPLING SYSTEM BASED ON SHAPE MEMORY EFFECT.
63. **GOLD MEDAL INVENTICA 2017 & DIPLOMA in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, June 28-June 30 2017 offered to** F. Miculescu, M. Miculescu, **M.C.Costoiu**, O.R.Chivu, C.A. Barbu, A. Semenescu **for** MECHANO-ELECTRIC LAUNDRY DRYER
64. **GRAND PRIZE CUP INVENTICA 2017 & DIPLOMA in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, June 28-June 30 2017, is offered for Patents Demands** *RO131261(A0), RO131379 (A0), RO131543(A2), RO131500(A0), RO 0001/2017(A0)*



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65. **GOLD MEDAL INVENTICA 2017 & DIPLOMA in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, June 28-June 30 2017 offered to** F. Miculescu, A. Maidaniuc, **M. C. Costoiu**, A. Semenescu, M. Miculescu, F. Ionita-Radu, M. Arghirescu, **for** METHOD FOR OBTAINING HYDROXYAPATITE SCAFFOLDS WITH PREDETERMINED PHYSICO-CHEMICAL CHARACTERISTICS FOR MAJOR BONE RECONSTRUCTION
66. **GOLD MEDAL IWIS 2017 WARSAW (POLAND, 9-11 Oct.) & DIPLOMA offered to** BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, **for** SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT
67. **GOLD MEDAL WITH MENTION IWIS 2017 WARSAW (POLAND, 9-11 Oct.) & DIPLOMA offered to** F. Miculescu, A. Maidaniuc, **M. C. Costoiu**, A. Semenescu, M. Miculescu, F. Ionita-Radu, M. Arghirescu, **for** METHOD FOR OBTAINING HYDROXYAPATITE SCAFFOLDS WITH PREDETERMINED PHYSICO-CHEMICAL CHARACTERISTICS FOR MAJOR BONE RECONSTRUCTION
68. **SILVER MEDAL IWIS 2017 WARSAW (POLAND, 9-11 Oct.) & DIPLOMA offered to** Marius MOGA, Augustin SEMENESCU, **Mihnea Cosmin COSTOIU**, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA, **for** *SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS*.
69. **INVENT ARENA AWARD (CZECH REPUBLIC - Chairman Jan KOBIELUSZ) at IWIS 2017 WARSAW (POLAND, 9-11 Oct.) & DIPLOMA offered to** BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, **for** SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT
70. **SPECIAL INNOVATION AWARD (OFEED Morocco Association, member of IFIA, President Majid El BOUAZZAOUI) IWIS 2017 WARSAW (POLAND, 9-11 Oct.) & MEDAL offered to** F. Miculescu, A. Maidaniuc, **M. C. Costoiu**, A. Semenescu, M. Miculescu, F. Ionita-Radu, M. Arghirescu, **for** METHOD FOR OBTAINING HYDROXYAPATITE SCAFFOLDS WITH PREDETERMINED PHYSICO-CHEMICAL CHARACTERISTICS FOR MAJOR BONE RECONSTRUCTION
71. **CERTIFICATE OF APPRECIATION presented to** Marius MOGA, Augustin SEMENESCU, **Mihnea Cosmin COSTOIU**, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA, Mark-Eward Pogărășteanu, *An Alternative femoral stem- bone implantation technique using an innovative short femoral stem endoprosthesis, in recognition of the invaluable contribution to the International*

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**Biomaterials and Regenerative Medicine Seminar BIOREMED 2017** – Timisoara, 5-7 october 2017,  
Congress Chairs Prof.Dr. Meda-Lavinia Negruțiu & Prof.Dr.Iulian Antoniac.

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### 2018

73. Citizen Innovation – WE DARE TO DREAM – **GENIUS AWARD** – this certificate is awarded to: - DOICIN Cristian Vasile, ULMEANU Mihaela Elena, ANTONIAC Vasile Iulian, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MITRICĂ Marian, MURZAC Roman, CHIRTEȘ Alin, DAVIȚOIU Dragoș Virgil and MATEȘ Ileana Mariana – in recognition of his/her invention - Cranial endoprosthesis with a sliding system – for his/her outstanding achievement during – 2018 Bangkok International Intellectual Property, Invention, Innovation and Tenchnology Exposition – 2nd to 8th February 2018 – TAN Wei Kok – President.
74. National Research Council of Thailand (NRCT) – This is to certify that – ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Cristian Vasile, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina Elena, SĂCELEANU Vicențiu and MATEȘ Ileana Mariana – has been awarded – **Gold Medal** – In recognition of creative efforts to invent – Cranial implant with osteointegrating structures and functional coatings – Exhibited at “Bangkok International Intellectual Property, Invention, Innovation and Tenchnology Exposition” – On the occasion of „Thailand Inventors' Day 2018” – 2-6 February 2018 – Professor Sirirurg Songsivilai, M.D., Ph.D. – Secretary – General
75. National Research Council of Thailand (NRCT) – This is to certify that – DOICIN Cristian Vasile, ULMEANU Mihaela Elena, ANTONIAC Vasile Iulian, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MITRICĂ Marian, MURZAC Roman, CHIRTEȘ Alin, DAVIȚOIU Dragoș Virgil and MATEȘ Ileana Mariana – has been awarded – **Gold Medal** – In recognition of creative efforts to invent – Cranial endoprosthesis with a sliding system – Exhibited at “Bangkok International Intellectual Property, Invention, Innovation and Tenchnology Exposition” – On the occasion of „Thailand Inventors' Day 2018” – 2-6 February 2018 – Professor Sirirurg Songsivilai, M.D., Ph.D. – Secretary – General
76. National Research Council of Thailand (NRCT) – This is to certify that – DEMETRIAN Alin Dragoș, SEMENESCU Augustin, CHIVU Oana-Roxana, **COSTOIU Mihnea Cosmin**, DEMETRIAN Camelia, MATEȘ Ileana Mariana and DUMITRESCU Silviu – has been awarded – **Gold Medal** – In recognition of creative efforts to invent – Eso-Tracheoscope – Exhibited at “Bangkok International Intellectual Property, Invention, Innovation and Tenchnology Exposition” – On the occasion of „Thailand Inventors' Day 2018” – 2-6 February 2018 – Professor Sirirurg Songsivilai, M.D., Ph.D. – Secretary – General
77. ASSOCIATION OF BRITISH INVENTORS AND INNOVATORS – This is to certify that - DOICIN Cristian Vasile, ULMEANU Mihaela Elena, ANTONIAC Vasile Iulian, SEMENESCU Augustin, **COSTOIU Mihnea**



## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

- Cosmin, MITRICĂ Marian, MURZAC Roman, CHIRTEȘ Alin, DAVIȚOIU Dragoș Virgil, DOICIN Irina Elena, MATEȘ Ileana Mariana – has been awarded the – **British Innovation Award** – In recognition for the invention of - Cranial endoprosthesis with a sliding system – 2018, Bangkok International IP, Invention, Innovation and Technology Exposition (IPITEx). – Inventors' Day 2018 organized by National Research Council of Thailand (NRCT). – Awarded February 2 – 6 at Bangkok International Trade & Exhibition Centre (BITEC). – President Frederick J. William, Secretary General Young Miller
78. TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) – International Invention Innovation Competition in Canada (iCAN – TORONTO, CANADA) – **SPECIAL HONOUR OF INVENTION** – is hereby presented to - DOICIN Cristian Vasile, ULMEANU Mihaela Elena, ANTONIAC Vasile Iulian, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MITRICĂ Marian, MURZAC Roman, CHIRTEȘ Alin, DAVIȚOIU Dragoș Virgil, DOICIN Irina Elena, MATEȘ Ileana Mariana – for an outstanding exhibition of invention entitled: Cranial endoprosthesis with a sliding system - Bangkok International IP, Invention, Innovation and Technology Exposition, IPITEx 2018, on the occasion of Thailand Inventors' Day 2018 held from February 2-6<sup>th</sup> in Bangkok, Thailand – Moonsuk CHANG (Chairman & Chief Exhibition Officer TISIAS – Toronto, Canada) and Bob HUYBRECHTS, RDT (Co-Chairman of the Jury iCAN – Toronto, Canada)
79. TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) – International Invention Innovation Competition in Canada (iCAN – TORONTO, CANADA) – **SPECIAL HONOUR OF INVENTION** – is hereby presented to - ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Cristian Vasile, ULMEANU Mihaela Elena, CAVALU Simona, COSTOIU Mihnea Cosmin, MURZAC Roman, DOICIN Irina Elena, SĂCELEANU Vicențiu and MATEȘ Ileana Mariana – for an outstanding exhibition of invention entitled: Cranial implant with osteointegrating structures and functional coatings - Bangkok International IP, Invention, Innovation and Technology Exposition, IPITEx 2018, on the occasion of Thailand Inventors' Day 2018 held from February 2-6<sup>th</sup> in Bangkok, Thailand – Moonsuk CHANG (Chairman & Chief Exhibition Officer TISIAS – Toronto, Canada) and Bob HUYBRECHTS, RDT (Co-Chairman of the Jury iCAN – Toronto, Canada)
80. TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) – International Invention Innovation Competition in Canada (iCAN – TORONTO, CANADA) – **SPECIAL HONOUR OF INVENTION** – is hereby presented to - DEMETRIAN Alin Dragoș, SEMENESCU Augustin, CHIVU Oana-Roxana, COSTOIU Mihnea Cosmin, DEMETRIAN Camelia, MATEȘ Ileana Mariana and DUMITRESCU Silviu – for an outstanding exhibition of invention entitled: Eso-Tracheoscope - Bangkok International IP, Invention, Innovation and Technology Exposition, IPITEx 2018, on the occasion of Thailand Inventors' Day 2018 held from February 2-6<sup>th</sup> in Bangkok, Thailand – Moonsuk CHANG (Chairman & Chief Exhibition Officer TISIAS – Toronto, Canada) and Bob HUYBRECHTS, RDT (Co-Chairman of the Jury iCAN – Toronto, Canada)
81. **SPECIAL AWARD and GOLD MEDAL** – is presented to - DOICIN Cristian Vasile, ULMEANU Mihaela Elena, ANTONIAC Vasile Iulian, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MITRICĂ Marian,

## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

- MURZAC Roman, CHIRTEȘ Alin, DAVIȚOIU Dragoș Virgil, DOICIN Irina Elena, MATEȘ Ileana Mariana – for the invention of - Cranial endoprosthesis with a sliding system – to the succes of - 2018 Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition (IPITEx 2018) Bangkok International Trade & Exhibition Centre, Thailand 2<sup>nd</sup>-6<sup>th</sup> February 2018 – Datuk Professor Emeritus Dr. Kamarudin Hussin – President – Malaysian Research & Innovation Society.
82. **SPECIAL AWARD and GOLD MEDAL** – is presented to - ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Cristian Vasile, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina Elena, SĂCELEANU Vicențiu and MATEȘ Ileana Mariana – for the invention of - Cranial implant with osteointegrating structures and functional coatings – to the succes of - 2018 Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition (IPITEx 2018) Bangkok International Trade & Exhibition Centre, Thailand 2<sup>nd</sup>-6<sup>th</sup> February 2018 – Datuk Professor Emeritus Dr. Kamarudin Hussin – President – Malaysian Research & Innovation Society.
83. **SPECIAL AWARD and GOLD MEDAL** – is presented to - DEMETRIAN Alin Dragoș, SEMENESCU Augustin, CHIVU Oana-Roxana, **COSTOIU Mihnea Cosmin**, DEMETRIAN Camelia, MATEȘ Ileana Mariana and DUMITRESCU Silviu – for the invention of - Eso-Tracheoscope – to the succes of - 2018 Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition (IPITEx 2018) Bangkok International Trade & Exhibition Centre, Thailand 2<sup>nd</sup>-6<sup>th</sup> February 2018 – Datuk Professor Emeritus Dr. Kamarudin Hussin – President – Malaysian Research & Innovation Society.
84. WIIPA (World Invention Intellectual Property Associations) – **Honor of Invention and GOLD MEDAL** – Presented to - DOICIN Cristian Vasile, ULMEANU Mihaela Elena, ANTONIAC Vasile Iulian, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MITRICĂ Marian, MURZAC Roman, CHIRTEȘ Alin, DAVIȚOIU Dragoș Virgil, DOICIN Irina Elena, MATEȘ Ileana Mariana – In recognition of - Cranial endoprosthesis with a sliding system – exhibited at Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition (IPITEx 2018) – Feb. 2<sup>nd</sup>-6<sup>th</sup>, 2018 - Bangkok International Trade & Exhibition Centre (BITEC) – Hsieh, Hsin-Ming – President of WIIPA
85. DELEGATION OF CHINA ASSOCIATION OF PRODUCTIVITY PROMOTION CENTERS – HAS THE PLEASURE TO GRANT THIS – **SPECIAL AWARD and GOLD MEDAL** – TO – DOICIN Cristian Vasile, ULMEANU Mihaela Elena, ANTONIAC Vasile Iulian, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MITRICĂ Marian, MURZAC Roman, CHIRTEȘ Alin, DAVIȚOIU Dragoș Virgil, DOICIN Irina Elena, MATEȘ Ileana Mariana –UNIVERSITY POLITEHNICA OF BUCHAREST – FOR – INVENTION ITEM: - Cranial endoprosthesis with a sliding system – HEAD OF THE DELEGATION – Lu Yu-Lan Chairman – DATE: - 2018.2.3.
86. ASSOCIATION OF POLISH INVENTORS AND RATIONALIZERS – **SPECIAL AWARD and MEDAL** – for - ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Cristian Vasile, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina Elena, SĂCELEANU Vicențiu and MATEȘ Ileana Mariana – from - UNIVERSITY POLITEHNICA OF



## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

- BUCHAREST – for the invention - Cranial endoprosthesis with a sliding system – The President of SPWIR – Prof. MICHAŁ SZOTA – IPITEx Bangkok International Intellectual Property Invention Innovation and Technology Exposition – Bangkok, Thailand 2-6 Farbruary 2018
87. **GOLD MEDAL & DIPLOMA\*\*\*\*\***( five stars) – Awarded to - DEMETRIAN Alin Dragoș, SEMENESCU Augustin, CHIVU Oana-Roxana, **COSTOIU Mihnea Cosmin**, DEMETRIAN Camelia, MATEȘ Ileana Mariana and DUMITRESCU Silviu – for the invention - Eso-Tracheoscope – on the occasion of – IPITEX 2018 – Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition – HALLER pro inventio FOUNDATION – Eurobusiness – Haller – Bangkok 2018
88. **NRCT TROPHY– Contribution Award** – Presented to - UNIVERSITY POLITEHNICA OF BUCHAREST - for the inventions presented – On the occasion of „Thailand Inventors' Day 2018” - 2-6 Farbruary 2018 - Professor Sirirung Songsivilai, M.D., Ph.D. – Secretary – General – National Research Council of Thailand
89. **MARELE PREMIU al Universitatii Tehnice** se acorda Universitatii POLITEHNICA Bucuresti pentru inventiile prezentate la salonul Pro Invent 2018 **OSIM A/00707** din 8.11.2017, **OSIM A/00914** din 9.11.2017, **OSIM A/00672** din 18.09.2017, **OSIM A/01173** din 28.12.2017, **OSIM 00133/ 06.03.2017**, **OSIM A 00913/09.11.2017**, **RO128159 B1 din 29.05.2015**, **RO131943(A0) 2017-06-30**. (*CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM, CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS, ACETABULAR MILLING DEVICE, ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD, METHOD AND INSTALLATION FOR ELECTROCHEMICAL OBTAINING OF A COMPOSITE MATERIAL WITH METALLIC MATRIX, ESO-TRAHEOSCOPE, INSTALLATION FOR EVALUATING QUALITY OF INDUSTRIAL PRODUCTS, METHOD FOR OBTAINING SCAFFOLDS WITH PREDETERMINED PHYSICO-CHEMICAL CHARACTERISTICS FOR MAJOR BONE RECONSTRUCTION*), **Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ-NAPOCA**
90. **DIPLOMA DE EXCELENTA SI MEDALIA DE AUR CU MENTIUNE SPECIALA** se acorda pentru *ENDOPROTEZĂ CRANIANĂ CU SISTEM DE CULISARE (CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM)*, **Autori:** DOICIN Cristian Vasile; ULMEANU Mihaela Elena; ANTONIAC Vasile Iulian; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; MITRICĂ Marian; MURZAC Roman; CHIRTEȘ Alin; DAVIȚOIU Dragoș-Virgil; DOICIN Irina Elena; MATEȘ Ileana Mariana, **OSIM A/00707** din 8.11.2017, **Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ-NAPOCA.**
91. **GRAND PRIZE AND DIPLOMA – ROMANIAN INVENTORS FORUM** for *CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM*), **authors:** DOICIN Cristian Vasile; ULMEANU Mihaela Elena; ANTONIAC Vasile Iulian; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; MITRICĂ Marian; MURZAC Roman; CHIRTEȘ Alin; DAVIȚOIU Dragoș-Virgil; DOICIN Irina Elena; MATEȘ Ileana Mariana, **OSIM A/00707** din 8.11.2017, **Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ-NAPOCA.**

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92. **DIPLOMA DE EXCELENTA SI MEDALIA DE AUR CU MENTIUNE SPECIALA** se acorda pentru *IMPLANT CRANIAN CU STRUCTURI DE OSTEINTEGRARE ŞI ACOOPERIRI FUNCŢIONALE (CRANIAL IMPLANT WITH OSTEINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS)*, **Autori:** ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina-Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana, **OSIM A/00914** din 9.11.2017, **Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT**, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ-NAPOCA
93. **DIPLOMA DE EXCELENTA a USAMV REGELE MIHAI I AL ROMANIEI din Timisoara** pentru lucrarea *IMPLANT CRANIAN CU STRUCTURI DE OSTEINTEGRARE ŞI ACOOPERIRI FUNCŢIONALE (CRANIAL IMPLANT WITH OSTEINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS)*, **Autori:** ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina-Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana, **OSIM A/00914** din 9.11.2017, **Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT**, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ-NAPOCA.
94. **SPECIAL PRIZE and DIPLOMA as sign of honor, recognition and appreciation of scientific creativity and originality to inventors from University Politehnicu Bucuresti for invention** *CRANIAL IMPLANT WITH OSTEINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS*, **OSIM A/00914** din 9.11.2017, **Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT**, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ-NAPOCA.
95. **DIPLOMA DE EXCELENTA SI MEDALIA DE AUR** se acorda pentru *DISPOZITIV DE FREZARE ACETABULAR (ACETABULAR MILLING DEVICE)*, **Autori:** Niculescu Marius, Antoniac Vasile-Iulian, Semenescu Augustin, Doicin Cristian-Vasile, Ulmeanu Mihaela-Elena, **Costoiu Mihnea Cosmin**, Murzac Roman, Mateș Ileana, Davițoiu Dragoș-Virgil, **OSIM A/00672** din 18.09.2017, **Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT**, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ-NAPOCA.
96. **DIPLOMA DE EXCELENTA SI MEDALIA DE AUR** se acorda pentru *ANUSCOP CU CÂMP OPERATOR REGLABIL (ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD)*, **Autori:** DAVIȚOIU Dragoș-Virgil, DOICIN Cristian-Vasile, **COSTOIU Mihnea-Cosmin**, ULMEANU Mihaela-Elena, SEMENESCU Augustin, **OSIM A/01173** din 28.12.2017, **Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT**, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ-NAPOCA.
97. **DIPLOMA DE EXCELENTA SI MEDALIA DE AUR** se acorda pentru *PROCEDEU ŞI INSTALAŢIE DE OBŢINERE ELECTROCHIMICĂ A UNUI MATERIAL COMPOZIT CU MATRICE METALICĂ (METHOD AND INSTALLATION FOR ELECTROCHEMICAL OBTAINING OF A COMPOSITE MATERIAL WITH METALLIC MATRIX)*, **Autori:** ARGHIRESCU Marius; **COSTOIU Mihnea Cosmin**; SEMENESCU Augustin; AVRAM Vasile, BURADA Marian, MILITARU Nicolae Gheorghe, AMZA Catalin Gheorghe,



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- CHIVU Oana-Roxana, OSIM 00133/ 06.03.2017, **Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ-NAPOCA.**
98. **DIPLOMA DE EXCELENTA SI MEDALIA DE AUR** se acorda pentru *ESO-TRAHEOSCOPI (ESO-TRAHEOSCOPE)*, Autori: DEMETRIAN Alin-Dragoș, SEMENESCU Augustin, CHIVU Oana-Roxana, **COSTOIU Mihnea Cosmin**, DEMETRIAN Camelia, MATEȘ Ileana Mariana, DUMITRESCU Silviu, OSIM A 00913/09.11.2017 **Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ-NAPOCA..**
99. **DIPLOMA DE EXCELENTA SI MEDALIA DE AUR** se acorda pentru *PROCEDEU DE OBȚINERE A UNUI PRODUS TIP SCAFFOLD PE BAZĂ DE HIDROXIAPATITĂ, PENTRU RECONSTRUCȚIA DEFECTELOR OSOASE MAJORE, CU PROPRIETĂȚI FIZICO-CHIMICE PREDETERMINATE (METHOD FOR OBTAINING SCAFFOLDS WITH PREDETERMINED PHYSICO-CHEMICAL CHARACTERISTICS FOR MAJOR BONE RECONSTRUCTION)*, Autori: Florin MICULESCU, Andreea MAIDANIUC, **Mihnea Cosmin COSTOIU**, Augustin SEMENESCU, Marian MICULESCU, Florentina IONIȚĂ-RADU, Marius ARGHIRESCU, **RO131943(A0) 2017-06-30, Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ-NAPOCA.**
100. **MÉDAILLE D'OR & DIPLÔME INVENTIONS GENEVA SALON INTERNATIONAL DES INVENTIONS GENÈVE**, APRÈS EXAMEN, LE JURY INTERNATIONAL A DÉCIDÉ. DE REMETTRE À: ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Cristian Vasile, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana. POUR L'INVENTION: IMPLANT CRANIEN COMPORTANT DES STRUCTURES D'OSTÉOINTEGRATION ET DES REVÊTEMENTS FONCTIONNELS. Genève, le 13 avril 2018.
101. **PRIX DE L' AGEPI & DIPLÔME** Pour ses mérites à la 46e edition du Salon International des Inventions de Genève du 11 au 15 avril 2018. accordée aux ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Cristian Vasile, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana pour CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS, Avril, Genève 2018
102. **GOLD MEDAL & INTERNATIONAL INNOVATION AWARD DIPLOMA** of the *POLISH ACADEMY OF SCIENCES*, Institute of Genetics and Animal Breeding, presented to ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Cristian Vasile, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana for the display of CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS at 46 th International Exhibition of Inventions Geneva Palexpo, Geneva 2018, 11-15 April 2018, Geneva, Switzerland

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103. **GOLD MEDAL & OFFICIAL CERTIFICATE FOR CONTRIBUTION TO INNOVATION** *IT CERTIFIES IS GRANTED TO* ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Cristian Vasile, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana FROM ROMANIA FOR THE EXCELLENT INVENTION *CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS* FOR ALL THE ABNEGATED SHARE, COOPERATION AND SPARKLING OPEN MIND FOR THEIR FOR NEW IDEAS PROMOTING INNOVATION & CREATIVITY IN THE INVENTIVE SPIRIT OF PROGRESS AND INTERNATIONAL COOPERATION BETWEEN COUNTRIES. International Exhibition of Inventions of Geneva, Palexpo, April, 11 to 15, 2018
104. **GOLD MEDAL & DIPLOMA OF EXCELLENCE OF THE STEFAN CEL MARE UNIVERSITY OF SUCEAVA E U R O I N V E N T** 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018 is awarded to: Antoniac Vasile Iulian, Mohan Aurel, Semenescu Augustin, Doicin Cristian, Ulmeanu Mihaela Elena, Cavalu Simona, **Costoiu Mihnea Cosmin**, Murzac Roman, Doicin Irina-Elena, Săceleanu Vicențiu, Mateș Ileana Mariana for **CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS**
105. **SPECIAL PRIZE TROPHY & DIPLOMA E U R O I N V E N T** 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018 is awarded to: Doicin Cristian Vasile; Ulmeanu Mihaela Elena; Antoniac Vasile Iulian; Semenescu Augustin; **Costoiu Mihnea Cosmin**; Mitrică Marian; Murzac Roman; Chirteș Alin; Davițoiu Dragoș-Virgil; Doicin Irina Elena; Mateș Ileana Mariana for **CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM**
106. **DIPLOMA & SILVER MEDAL E U R O I N V E N T** 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018 is awarded to: Arghirescu Marius; **Costoiu Mihnea Cosmin**; Semenescu Augustin; Avram Vasile, Burada Marian, Militaru Nicolae Gheorghe, Amza Catalin Gheorghe, Chivu Oana-Roxana for **METHOD AND INSTALLATION FOR ELECTROCHEMICAL OBTAINING OF A COMPOSITE MATERIAL WITH METALLIC MATRIX**
107. **DIPLOMA & GOLD MEDAL E U R O I N V E N T** 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018 is awarded to: Demetrian Alin-Dragoș, Semenescu Augustin, Chivu Oana-Roxana, **Costoiu Mihnea Cosmin**, Demetrian Camelia, Mateș Ileana Mariana, Dumitrescu Silviu for **ESO-TRAHEOSCOPE**
108. **DIPLOMA & GOLD MEDAL E U R O I N V E N T** 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018 is awarded to: Davițoiu Dragoș-Virgil, Doicin Cristian-Vasile, **Costoiu Mihnea-Cosmin**, Ulmeanu Mihaela-Elena, Semenescu Augustin for **ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD**
109. **DIPLOMA & GOLD MEDAL E U R O I N V E N T** 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018 is awarded to: Doicin Cristian Vasile; Ulmeanu Mihaela Elena; Antoniac Vasile Iulian; Semenescu Augustin; **Costoiu Mihnea Cosmin**; Mitrică Marian; Murzac



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- Roman; Chirteş Alin; Daviţoiu Dragoş-Virgil; Doicin Irina Elena; Mateş Ileana Mariana for **CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM**
110. **DIPLOMA & GOLD MEDAL EUROINVENT 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018** is awarded to: Antoniac Vasile Iulian, Mohan Aurel, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cavalu Simona, Costoiu Mihnea Cosmin, Murzac Roman, Doicin Irina-Elena, Săceleanu Vicenţiu, Mateş Ileana Mariana for **CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS**
111. **DIPLOMA OF EXCELLENCE EUROINVENT 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018** is awarded to: Niculescu Marius, Antoniac Vasile-Iulian, Semenescu Augustin, Doicin Cristian-Vasile, Ulmeanu Mihaela-Elena, Costoiu Mihnea Cosmin, Murzac Roman, Mateş Ileana, Daviţoiu Dragoş-Virgil for **ACETABULAR MILLING DEVICE**.
112. **TROPHY & DIPLOMA NIRD URBAN-INCERC - EUROINVENT 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018** granted to: Daviţoiu Dragoş-Virgil, Doicin Cristian-Vasile, Costoiu Mihnea-Cosmin, Ulmeanu Mihaela-Elena, Semenescu Augustin RECOGNIZING THE OUTSTANDING ACHIEVEMENT, SCIENTIFIC EXCELLENCE AND UNCEASING INNOVATION EFFORTS LEADING TO THE OUTSTANDING INVENTION: **ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD**
113. **TROPHY & CERTIFICATE FOR CONTRIBUTION TO INNOVATION AND EXCELENT INTERNATIONAL COOPERATION. IT CERTIFIES THAT IS GRANTED TO** Doicin Cristian Vasile; Ulmeanu Mihaela Elena; Antoniac Vasile Iulian; Semenescu Augustin; Costoiu Mihnea Cosmin; Mitrică Marian; Murzac Roman; Chirteş Alin; Daviţoiu Dragoş-Virgil; Doicin Irina Elena; Mateş Ileana Mariana FROM ROMANIA FOR THE EXCELLENT INVENTION **CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM** FOR ALL THE ABNEGATED SHARE, COOPERATION AND SPARKLING MIND FOR HER NEW IDEAS PROMOTING INNOVATION & CREATIVITY IN THE INVENTIVE SPIRIT OF PROGRESS; 10<sup>th</sup> EUROINVENT Salon, IASI, ROMANIA, MAY 17 – 19, 2018, **ASSOCIATION OF EUROPEAN INVENTORS, ASSOCIATION OF PORTUGUESE INVENTORS, INNOVATORS & CREATIVES**.
114. **EXCELLENCE AWARD TROPHY & DIPLOMA FOR THE GROUP OF INVENTIONS IN THE MEDICAL FIELD** in recognition of the creative efforts to invent **ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD**, Patent application No. 01173/2017; **CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM**, Patent application No. 00907/2017; **CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS**, Patent application No. 00914/2017; **ESO-TRAHEOSCOPE**, Patent application No. 00913/2017; **ACETABULAR MILLING DEVICE**, Patent application No. 00672/2017; Exhibited at EUROINVENT Iasi, Romania 17-19 May 2018, *National Institute for Research and Development in Environmental Protection*
115. **SPECIAL PRIZE CUP & DIPLOMA** - "Lucian Blaga" University of Sibiu awards a Special Prize as a sign of honor, recognition and appreciation of scientific creativity and originality for a group of inventions in the medical field: **ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD**, Patent application No. 01173/2017; **CRANIAL**

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- ENDOPROTHESIS WITH A SLIDING SYSTEM**, Patent application No. 00907/2017; **CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS**, Patent application No. 00914/2017; **ESO-TRAHEOSCOPE**, Patent application No. 00913/2017; **ACETABULAR MILLING DEVICE**, Patent application No. 00672/2017; From Politehnica University of Bucharest, **E U R O I N V E N T 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018.**
116. **GOLD MEDAL & DIPLOMA AGEPI EXPOZITIA EUROPEANA A CREATIVITATII SI INOVARII "EUROINVENT 2018"**, se acorda Antoniac Vasile Iulian, Mohan Aurel, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cavalu Simona, **Costoiu Mihnea Cosmin**, Murzac Roman, Doicin Irina-Elena, Săceleanu Vicențiu, Mateș Ileana Mariana pentru **"CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS "**, **E U R O I N V E N T 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018.**
117. **GOLD MEDAL & DIPLOMA HALLER** pro invention FOUNDATION, *Eurobusiness - Haller* Awarded to Antoniac Vasile Iulian, Mohan Aurel, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cavalu Simona, **Costoiu Mihnea Cosmin**, Murzac Roman, Doicin Irina-Elena, Săceleanu Vicențiu, Mateș Ileana Mariana, for the invention **CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS** on the occasion of EUROINVENT 2018 European Exhibition of Creativity and Innovation, **E U R O I N V E N T 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018.**
118. **EXCELLENCE DIPLOMA and SPECIAL PRIZE for work OSIM A/00707, OSIM A/ 00914, OSIM A/00672, OSIM A/01173, OSIM A/ 00133, OSIM A/00913, RO 128159B1, OSIM A/ 00528, OSIM A/ 00537**, prezentate la Salonul de Inventii TRAIAN VUIA 2018. Authors UNIVERSITATEA POLITEHNICA BUCURESTI. **Universitatea de Științe Agricole și Medicina Veterinara a Banatului " Regele Mihai I al României" din Timisoara** Rector Prof univ. dr.ing.Cosmin-Alin Popescu, Vicerector for research-innovation Prof univ. dr.Isidora Radulov.
119. **MEDALIA DE AUR și DIPLOMA** se acordă pentru invenția **ENDOPROTEZĂ CRANIANĂ CU SISTEM DE CULISARE**, autori DOICIN Cristian Vasile; ULMEANU Mihaela Elena; ANTONIAC Vasile Iulian; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; MITRICĂ Marian; MURZAC Roman; CHIRTEȘ Alin; DAVIȚOIU Dragoș-Virgil; DOICIN Irina Elena; MATEȘ Ileana Mariana, **Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția IV, în perioada 13-15 Iunie 2018.** Presedinte Juriu Radu Dimeca, Presedinte salon Remi Radulescu.
120. **EXCELLENCE DIPLOMA and SPECIAL PRIZE of the IGPPP-Institute of Genetics, Physiology and Plant Protection- Director Vasile Botnari**, for the invention **CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM**, authors: DOICIN Cristian Vasile; ULMEANU Mihaela Elena; ANTONIAC Vasile Iulian; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; MITRICĂ Marian; MURZAC Roman; CHIRTEȘ Alin; DAVIȚOIU Dragoș-Virgil; DOICIN Irina Elena; MATEȘ Ileana Mariana, International Salon of Inventions and Innovation, TRAIAN VUIA, 4-th Edition, Timisoara, Romania, 13-15 June 2018.



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121. **MEDALIA DE AUR și DIPLOMA DE EXCELENȚĂ**, se acordă DOICIN Cristian Vasile; ULMEANU Mihaela Elena; ANTONIAC Vasile Iulian; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; MITRICĂ Marian; MURZAC Roman; CHIRTEȘ Alin; DAVIȚOIU Dragoș-Virgil; DOICIN Irina Elena; MATEȘ Ileana Mariana, pentru pentru invenția **ENDOPROTEZĂ CRANIANĂ CU SISTEM DE CULISARE** Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția IV, în perioada 13-15 Iunie 2018, Universitatea de Stat de Medicina și Farmacie *NICOLAE TESTEMIȚANU* din Republica MOLDOVA Rector Ion Ababii, Prof.univ. dr. hab. șt. med., academician al AȘM, Prorector cu activitatea Științifică. Prof.univ. dr. hab. șt. med. Gheorghe Rojnovanu.
122. **TROFEU și DIPLOMA** se acordă pentru invenția **ENDOPROTEZĂ CRANIANĂ CU SISTEM DE CULISARE**, autori DOICIN Cristian Vasile; ULMEANU Mihaela Elena; ANTONIAC Vasile Iulian; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; MITRICĂ Marian; MURZAC Roman; CHIRTEȘ Alin; DAVIȚOIU Dragoș-Virgil; DOICIN Irina Elena; MATEȘ Ileana Mariana, universitatea Politehnica din București, **Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția IV, în perioada 13-15 Iunie 2018, acordat de Grupul de firme TERMOCASA.**
123. **MEDALIA DE AUR și DIPLOMA** se acordă pentru invenția **IMPLANT CRANIAN CU STRUCTURI DE OSTEINTEGRARE ȘI ACOPERIRI FUNCȚIONALE**, autori ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina-Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana, **Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția IV, în perioada 13-15 Iunie 2018.** Presedinte Juriu Radu Dimeca, Presedinte salon Remi Radulescu
124. **TROFEU și DIPLOMA DE EXCELENȚĂ** se acordă ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina-Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana, pentru invenția **IMPLANT CRANIAN CU STRUCTURI DE OSTEINTEGRARE ȘI ACOPERIRI FUNCȚIONALE**, Timișoara 13-15 Iunie 2018, **Universitatea de Vest din Timișoara**, Rector Prof.univ. dr. Marilen Pirtea
125. **MEDALIA DE AUR și DIPLOMA** se acordă pentru invenția **DISPOZITIV DE FREZARE ACETABULAR**, autori NICULESCU Marius, ANTONIAC Vasile-Iulian, SEMENESCU Augustin, DOICIN Cristian-Vasile, ULMEANU Mihaela-Elena, **COSTOIU Mihnea Cosmin**, MURZAC Roman, MATEȘ Ileana, DAVIȚOIU Dragoș-Virgil, **Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția IV, în perioada 13-15 Iunie 2018**, Presedinte Juriu Radu Dimeca, Presedinte salon Remi Radulescu.
126. **DIPLOMA DE EXCELENȚĂ și TROFEUL GROUP MECHATRON (INCDMTM & CRTTC&CLUSTER STRATEGIC-MECHATREC & APROMECA)** se accords NICULESCU Marius, ANTONIAC Vasile-Iulian, SEMENESCU Augustin, DOICIN Cristian-Vasile, ULMEANU Mihaela-Elena, **COSTOIU Mihnea Cosmin**, MURZAC Roman, MATEȘ Ileana, DAVIȚOIU Dragoș-Virgil, **U.P.B. DISPOZITIV DE FREZARE ACETABULAR**, cu ocazia **Salonului Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara**

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- ediția IV, în perioada 13-15 Iunie 2018, Presedinte CA & Director general INCDMTM Bucuresti prof.univ.dr.ing.Eurlng.D.h.c. Gh.Ion GHEORGHE.
127. **MEDALIA DE AUR și DIPLOMA** se acordă pentru invenția **ANUSCOP CU CÂMP OPERATOR REGLABIL**, autori DAVIȚOIU Dragoș-Virgil, DOICIN Cristian-Vasile, COSTOIU Mihnea-Cosmin, ULMEANU Mihaela-Elena, SEMENESCU Augustin, **Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția IV, în perioada 13-15 Iunie 2018**, Presedinte Juriu Radu Dimeca, Presedinte salon Remi Radulescu
128. **PREMIU SPECIAL și DIPLOMA** Universitatea de Medicina si farmacie Victor Babes din Timisoara, Rector Prof. univ.dr. Marius Raica, pentru lucrarea **ANUSCOP CU CÂMP OPERATOR REGLABIL**, autori DAVIȚOIU Dragoș-Virgil, DOICIN Cristian-Vasile, COSTOIU Mihnea-Cosmin, ULMEANU Mihaela-Elena, SEMENESCU Augustin, **Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția IV, în perioada 13-15 Iunie 2018**.
129. **MEDALIA DE AUR și DIPLOMA** se acordă pentru invenția **PROCEDEU ȘI INSTALAȚIE DE OBȚINERE ELECTROCHIMICĂ A UNUI MATERIAL COMPOZIT CU MATRICE METALICĂ**, autori ARGHIRESCU Marius; COSTOIU Mihnea Cosmin; SEMENESCU Augustin; AVRAM Vasile, BURADA Marian, MILITARU Nicolae Gheorghe, AMZA Catalin Gheorghe, CHIVU Oana-Roxana, **Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția IV, în perioada 13-15 Iunie 2018** Presedinte Juriu Radu Dimeca, Presedinte salon Remi Radulescu.
130. **DIPLOMA DE EXCELENȚĂ se ofera** ARGHIRESCU Marius; COSTOIU Mihnea Cosmin; SEMENESCU Augustin; AVRAM Vasile, BURADA Marian, MILITARU Nicolae Gheorghe, AMZA Catalin Gheorghe, CHIVU Oana-Roxana invenția **PROCEDEU ȘI INSTALAȚIE DE OBȚINERE ELECTROCHIMICĂ A UNUI MATERIAL COMPOZIT CU MATRICE METALICĂ**, 15 iunie 2018, Asociația CORNELIUGROUP CERCETARE-INOVARÉ, www. corneliugroup.ro, cu ocazia **Salonului Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția IV, în perioada 13-15 Iunie 2018**.
131. **MEDALIA DE AUR și DIPLOMA** se acordă pentru invenția **ESO-TRAHEOSCOPI**, autori DEMETRIAN Alin-Dragoș, SEMENESCU Augustin, CHIVU Oana-Roxana, COSTOIU Mihnea Cosmin, DEMETRIAN Camelia, MATEȘ Ileana Mariana, DUMITRESCU Silviu, **Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția IV, în perioada 13-15 Iunie 2018** Presedinte Juriu Radu Dimeca, Presedinte salon Remi Radulescu
132. **DIPLOMA DE EXCELENȚĂ se ofera** DEMETRIAN Alin-Dragoș, SEMENESCU Augustin, CHIVU Oana-Roxana, COSTOIU Mihnea Cosmin, DEMETRIAN Camelia, MATEȘ Ileana Mariana, DUMITRESCU Silviu, pentru invenția **ESO-TRAHEOSCOPI**, 15 iunie 2018, Asociația CORNELIUGROUP CERCETARE-INOVARÉ, www. corneliugroup.ro, cu ocazia **Salonului Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția IV, în perioada 13-15 Iunie 2018**.
133. **PLATINUM MEDAL & INTARG®**, **DIPLOMA** International Invention and Innovation Show, INTARG® POLAND, Awarded to: University POLITEHNICA of Bucharest for the invention: INSTALLATION FOR



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- EVALUATING QUALITY OF INDUSTRIAL PRODUCTS, The President of International Jury Prof. Krzysztof Biernat, , The President of Eurobusiness-Haller Barbara Haller de Hallenburg, 125, 20-21 June 2018 Katowice, Poland;
134. **MINISTERSTWO INWESTYCJI I ROZWOJU, DYPLOM DLA** University POLITEHNICA of Bucharest, w związku z przyznaniem przez jury 11. Międzynarodowych Targów Wynalazków i Innowacji INTARG 2018, Nagrody Platynowej za Installation for evaluating quality of industrial products, Jerzy Kwieciński Minister Inwestycji i Rozwoju, Katowice, 21 czerwca 2018 r. (MINISTRY OF INVESTMENT AND DEVELOPMENT, **DIPLOMA FOR POLITEHNICA University of Bucharest**, in connection with the jury of the 11th International Fair of Inventions and Innovations INTARG 2018, **PLATINUM PRIZE** for Installation for evaluating the quality of industrial products, **Jerzy Kwieciński Minister of Investment and Development**, Katowice, June 21, 2018.
135. **GOLD MEDAL & INTARG® DIPLOMA** International Invention and Innovation Show, INTARG® POLAND, Awarded to: University POLITEHNICA of Bucharest for the invention: CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM, The President of International Jury Krzysztof Biernat, Prof., The President of Eurobusiness-Haller Barbara Haller de Hallenburg 120, 20-21 June 2018 Katowice, Poland
136. **GOLD MEDAL & INTARG® DIPLOMA** International Invention and Innovation Show, INTARG® POLAND, Awarded to: University POLITEHNICA of Bucharest for the invention: ACETABULAR MILLING DEVICE, The President of International Jury Krzysztof Biernat, Prof., The President of Eurobusiness-Haller Barbara Haller de Hallenburg, 123, 20-21 June 2018 Katowice, Poland;
137. **GOLD MEDAL & INTARG® DIPLOMA** International Invention and Innovation Show, INTARG® POLAND, Awarded to: University POLITEHNICA of Bucharest for the invention: ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD, The President of International Jury Krzysztof Biernat, Prof., The President of Eurobusiness-Haller Barbara Haller de Hallenburg, 124, 20-21 June 2018 Katowice, Poland;
138. **GOLD MEDAL & INTARG® DIPLOMA** International Invention and Innovation Show, INTARG® POLAND, Awarded to: University POLITEHNICA of Bucharest for the invention: ESO-TRAHEOSCOPE, The President of International Jury Krzysztof Biernat, Prof., The President of Eurobusiness-Haller Barbara Haller de Hallenburg, 126, 20-21 June 2018 Katowice, Poland;
139. **GOLD MEDAL & INTARG® DIPLOMA** International Invention and Innovation Show, INTARG® POLAND, Awarded to: University POLITEHNICA of Bucharest for the invention: CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS, The President of International Jury Krzysztof Biernat, Prof., The President of Eurobusiness-Haller Barbara Haller de Hallenburg, 122, 20-21 June 2018 Katowice, Poland;
140. **TROPHY & DIPLOMA HKISIIC, International Best Invention Award**, Presented to University Politehnica of Bucharest, For commending excellent and creative effort to invent **Cranial Endoprosthesis with a sliding system**, In International Invention and Innovation Show (INTAGR 2018) on 20-21 June, 2018 Katowice, Poland, Mr. Tso Tat Ming, Chairman, Hong Kong International Student Innovative Invention Contest;

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141. **TROPHY & DIPLOMA INTARG 2018**, IRTI, IRANIAN TOP INVENTORS, INTARG, International Invention and Innovation, Award to: DAVIȚOIU D.V., DOICIN C.V., **COSTOIU M.C.**, ULMEANU M.E., SEMENESCU A., ROMANIA, For the invention: ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD, The president of international jury Prof. Mustapha Abedi, The president of Iranian delegate Mr. Mehdi Rajabinia;
142. **TROPHY & DIPLOMA NIA**, สำนักงานนวัตกรรมแห่งชาติ, SOCIAL INNOVATION AWARD, The certificate is awarded to CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM & CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS, Innovated by University Politehnica of Bucharest, Present by NATIONAL INNOVATION AGENCY(NIA), THAILAND AT INTARG 2018, KATOWICE, POLAND, (**Pun-Arj Chairatana**) Executive Director, National Innovation Agency (Public Organization);
143. **TROPHY & DIPLOMA HKISIIC**, International Best Invention Award, Presented to University Politehnica of Bucharest, For commending excellent and creative effort to invent CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS, In International Invention and Innovation Show (INTAGR 2018) on 20-21 June, 2018 Katowice, Poland, Mr. Tso Tat Ming, Chairman, Hong Kong International Student Innovative Invention Contest.
144. **SPECIAL PRIZE TROPHY & DIPLOMA EUROINVENT, The 22<sup>nd</sup> INTERNATIONAL EXHIBITION OF INVENTICS -- INVENTICA 2018 -- Iasi, Romania, 27-29 June 2018** is awarded to: Doicin Cristian Vasile; Ulmeanu Mihaela Elena; Antoniac Vasile Iulian; Semenescu Augustin; **Costoiu Mihnea Cosmin**; Mitrică Marian; Murzac Roman; Chirteș Alin; Davițoiu Dragoș-Virgil; Doicin Irina Elena; Mateș Ileana Mariana for **CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM**
145. **DIPLOMA DE EXCELENȚĂ și TROFEUL GROUP MECHATRON (INCDMTM & CRTTC&CLUSTER STRATEGIC-MECHATREC & APROMECA) se accords** Doicin Cristian Vasile; Ulmeanu Mihaela Elena; Antoniac Vasile Iulian; Semenescu Augustin; **Costoiu Mihnea Cosmin**; Mitrică Marian; Murzac Roman; Chirteș Alin; Davițoiu Dragoș-Virgil; Doicin Irina Elena; Mateș Ileana Mariana pentru "**CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM**", cu ocazia **EXPOZITIEI INTERNATIONALE DE INVENTII " INVENTICA 2018"**, IASI – ROMANIA, Editia a XXII – a, 27- 29 Iunie 2018, Presedinte CA & Director general INCDMTM Bucuresti prof.univ.dr.ing.Eurlng.D.h.c. Gh.Ion GHEORGHE.
146. **GRAND PRIZE CUP INVENTICA 2018 & DIPLOMA**, is offered to **University Politehnica of Bucharest** "**CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM**", Doicin Cristian Vasile; Ulmeanu Mihaela Elena; Antoniac Vasile Iulian; Semenescu Augustin; **Costoiu Mihnea Cosmin**; Mitrică Marian; Murzac Roman; Chirteș Alin; Davițoiu Dragoș-Virgil; Doicin Irina Elena; Mateș Ileana Mariana **in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer INVENTICA 2018, Iasi, Romania, 27- 29 June 2018**
147. **GOLD MEDAL INVENTICA 2017 & DIPLOMA** is offered to **University Politehnica of Bucharest** "**CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM**", Doicin Cristian Vasile; Ulmeanu Mihaela



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- Elena; Antoniac Vasile Iulian; Semenescu Augustin; Costoiu Mihnea Cosmin; Mitrică Marian; Murzac Roman; Chirteș Alin; Davițoiu Dragoș-Virgil; Doicin Irina Elena; Mateș Ileana Mariana **in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer INVENTICA 2018, Iasi, Romania, 27- 29 June 2018**
148. **GOLD MEDAL INVENTICA 2017 & DIPLOMA offered to University Politehnica of Bucharest**, ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CAVALU Simona, COSTOIU Mihnea Cosmin, MURZAC Roman, DOICIN Irina-Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana, **for CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS, in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, 27- 29 June 2018**
149. **GOLD MEDAL INVENTICA 2017 & DIPLOMA offered to University Politehnica of Bucharest**, NICULESCU Marius, ANTONIAC Vasile-Iulian, SEMENESCU Augustin, DOICIN Cristian-Vasile, ULMEANU Mihaela-Elena, COSTOIU Mihnea Cosmin, MURZAC Roman, MATEȘ Ileana, DAVIȚOIU Dragoș-Virgil, **for ACETABULAR MILLING DEVICE, in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, 27- 29 June 2018**
150. **GOLD MEDAL INVENTICA 2017 & DIPLOMA offered to University Politehnica of Bucharest**, DAVIȚOIU Dragoș-Virgil, DOICIN Cristian-Vasile, COSTOIU Mihnea-Cosmin, ULMEANU Mihaela-Elena, SEMENESCU Augustin, **for ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD, in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, 27- 29 June 2018**
151. **GOLD MEDAL INVENTICA 2017 & DIPLOMA offered to University Politehnica of Bucharest**, ARGHIRESCU Marius, COSTOIU Mihnea Cosmin, SEMENESCU Augustin, AVRAM Vasile, BURADA Marian, MILITARU Nicolae Gheorghe, AMZA Catalin Gheorghe, CHIVU Oana-Roxana, **for METHOD AND INSTALLATION FOR ELECTROCHEMICAL OBTAINING OF A COMPOSITE MATERIAL WITH METALLIC MATRIX, in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, 27- 29 June 2018**
152. **GOLD MEDAL INVENTICA 2017 & DIPLOMA offered to University Politehnica of Bucharest**, DEMETRIAN Alin-Dragoș, SEMENESCU Augustin, CHIVU Oana-Roxana, COSTOIU Mihnea Cosmin, DEMETRIAN Camelia, MATEȘ Ileana Mariana, DUMITRESCU Silviu, **for ESO-TRAHEOSCOPE, in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, 27- 29 June 2018**
153. **Diploma and PLATINUM MEDAL International Warsaw Invention Show IWIS 2018 FOR "CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM"**, Doicin Cristian Vasile; Ulmeanu Mihaela Elena; Antoniac Vasile Iulian; Semenescu Augustin; Costoiu Mihnea Cosmin; Mitrică Marian; Murzac Roman;

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- Chirteș Alin; Davițoiu Dragoș-Virgil; Doicin Irina Elena; Mateș Ileana Mariana, **University Politehnica of Bucharest. Lukasz Kaczmarek President of Jury, Michat Szota President of API&R**
154. **CIIS SPECIAL AWARD.** This is awarded to Doicin Cristian Vasile; Ulmeanu Mihaela Elena; Antoniac Vasile Iulian; Semenescu Augustin; **Costoiu Mihnea Cosmin**; Mitrică Marian; Murzac Roman; Chirteș Alin; Davițoiu Dragoș-Virgil; Doicin Irina Elena; Mateș Ileana Mariana for “**CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM**” XII International Warsaw Invention Show IWIS 2018 Warsaw, Poland. Chinese Innovation & Invention Society ( TAIWAN). Mr Chih-Yao Wu, Chairman of CIIS. 17 Oct 2018.
155. TISIAS TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS, International Invention Innovation Competition in Canada iCAN-TORONTO, CANADA. **AWARD OF EXCELLENCE** presented to Doicin Cristian Vasile; Ulmeanu Mihaela Elena; Antoniac Vasile Iulian; Semenescu Augustin; **Costoiu Mihnea Cosmin**; Mitrică Marian; Murzac Roman; Chirteș Alin; Davițoiu Dragoș-Virgil; Doicin Irina Elena; Mateș Ileana Mariana for “**CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM**” in honour of your outstanding invention and its presentation at the 12<sup>th</sup> International Warsaw Invention Show, IWIS 2018. 15-17 October 2018 in Warsaw, Poland. MOONSUK CHANG Committee Chairman. BOB HUYBRECHTS Co-Chairman of the Jury.
156. **CERTIFICATE** Presented on the occasion of the International Warsaw Invention Show 2018 to inventor Doicin Cristian Vasile; Ulmeanu Mihaela Elena; Antoniac Vasile Iulian; Semenescu Augustin; **Costoiu Mihnea Cosmin**; Mitrică Marian; Murzac Roman; Chirteș Alin; Davițoiu Dragoș-Virgil; Doicin Irina Elena; Mateș Ileana Mariana for “**CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM**”. For achieving high standards on showcasing an invention that is unique, innovative, simple and has a meaningful impact on people's lives. This Certificate is presented with an Excellence Award on the 14<sup>th</sup> of October 2018. President of Global Exhibition AMAL.M. ALAJALEEN.
157. Diploma and GOLD MEDAL International Warsaw Invention Show IWIS 2018 FOR ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD, DAVIȚOIU Dragoș-Virgil, DOICIN Cristian-Vasile, **COSTOIU Mihnea-Cosmin**, ULMEANU Mihaela-Elena, SEMENESCU Augustin, **University Politehnica of Bucharest,. Lukasz Kaczmarek President of Jury, Michat Szota President of API&R**
158. **CERTIFICATE** Presented on the occasion of the International Warsaw Invention Show 2018 to inventor , DAVIȚOIU Dragoș-Virgil, DOICIN Cristian-Vasile, **COSTOIU Mihnea-Cosmin**, ULMEANU Mihaela-Elena, SEMENESCU Augustin\_\_FOR ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD. For achieving high standards on showcasing an invention that is unique, innovative, simple and has a meaningful impact on people's lives. This Certificate is presented with an Excellence Award on the 14<sup>th</sup> of October 2018. President of Global Exhibition AMAL.M. ALAJALEEN.
159. TISIAS TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS, International Invention Innovation Competition in Canada iCAN-TORONTO, CANADA. **AWARD OF EXCELLENCE** presented to DAVIȚOIU Dragoș-Virgil, DOICIN Cristian-Vasile, **COSTOIU Mihnea-Cosmin**, ULMEANU Mihaela-Elena, SEMENESCU Augustin FOR ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD in honour of your outstanding invention and its presentation at the 12<sup>th</sup> International Warsaw Invention Show



## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

- 2018, IWIS 2018, 15-17 October 2018 in Warsaw, Poland. MOONSUK CHANG Committee Chairman, BOB HUYBRECHTS Co-Chairman of the Jury.
160. **Diploma and BRONZE MEDAL** International Warsaw Invention Show IWIS 2018 FOR CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS, ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina-Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana. **University Politehnica of Bucharest. Lukasz Kaczmarek President of Jury, Michat Szota President of API&R**
161. **CERTIFICATE** Presented on the occasion of the International Warsaw Invention Show 2018 to ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina-Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana, for the the invention CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS. For achieving high standards on showcasing an invention that is unique, innovative, simple and has a meaningful impact on people's lives. This Certificate is presented with an Excellence Award on the 14<sup>th</sup> of October 2018. President of Global Exhibition AMAL.M. ALAJALEEN.
162. TISIAS TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS, International Invention Innovation Competition in Canada iCAN-TORONTO, CANADA. **AWARD OF EXCELLENCE** presented to ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina-Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana, FOR CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS in honour of your outstanding invention and its presentation at the 12<sup>th</sup> International Warsaw Invention Show 2018, IWIS 2018, 15-17 October 2018 in Warsaw, Poland. MOONSUK CHANG Committee Chairman, BOB HUYBRECHTS Co-Chairman of the Jury.

## 2019

163. **DIPLOMĂ DE EXCELENȚĂ CU MENȚIUNE SPECIALĂ**- Se acordă DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, SEMENESCU Augustin, DAVIȚOIU Dragoș - Virgil, **COSTOIU Mihnea - Cosmin**, DOICIN Ioana - Cristina, MANDA Ana Laura pentru : **SPECULUM AUTOSTATIC CU SISTEM DE ASPIRAȚIE ȘI DESCHIDERE VARIABILĂ/AUTOSTATIC SPECULUM WITH ASPIRATION SYSTEM AND VARIABLE OPENING**. SALONUL PRO INVENT 2019, Ediția a XVII-a, 20-22 martie, Cluj-Napoca

## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

România. Rector: Prof.univ.dr.hab.șt.med., academician al AȘM Ion ABABIL, Prorector pentru activitate științifică: Prof.univ.dr.hab.șt.med. Gheorghe ROȘNOVEANU.

164. **DIPLOMĂ DE EXCELENȚĂ ȘI MEDALIA DE AUR**- Se acordă DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, SEMENESCU Augustin, DAVIȚOIU Dragoș - Virgil, **COSTOIU Mihnea - Cosmin**, DOICIN Ioana - Cristina, MANDA Ana Laura de la Universitatea Politehnica București pentru **SPECULUM AUTOSTATIC CU SISTEM DE ASPIRAȚIE ȘI DESCHIDERE VARIABILĂ/AUTOSTATIC SPECULUM WITH ASPIRATION SYSTEM AND VARIABLE OPENING**. SALONUL INTERNAȚIONAL AL CERCETĂRII ȘTIINȚIFICE, INOVĂRII ȘI INVENTICII PRO INVENT, Ediția XVII, 20-22 MARTIE 2019, CLUJ-NAPOCA. Președintele salonului: Prof.dr.ing. Vasile Țopa-Rector al Universității Tehnice din Cluj-Napoca, Preșesintele juriului: Prof.dr.ing. Radu MUNTEANU.
165. **DIPLOMĂ DE EXCELENȚĂ ȘI MEDALIA DE AUR**- Se acordă DEMETRIAN Alin-Dragoș, DEMETRIAN Camelia, **COSTOIU Mihnea - Cosmin**, SEMENESCU Augustin, CHIVU Oana-Roxana, MATEȘ Ileana Mariana pentru **SISTEM COMPLET PENTRU DRENAJUL TORACIC, REUTILIZABIL/FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE**. SALONUL INTERNAȚIONAL AL CERCETĂRII ȘTIINȚIFICE, INOVĂRII ȘI INVENTICII PRO INVENT, Ediția XVII, 20-22 MARTIE 2019, CLUJ-NAPOCA. Președintele salonului: Prof.dr.ing. Vasile Țopa-Rector al Universității Tehnice din Cluj-Napoca, Preșesintele juriului: Prof.dr.ing. Radu MUNTEANU.
166. **DIPLOMĂ DE EXCELENȚĂ ȘI MEDALIA PRO INVENT**- Se acordă Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, **Costoiu Mihnea**, MATEȘ Ileana Mariana pentru **Dispozitiv medical biocompozit pentru reconstructia extinsa a tesuturilor moi si metoda de fabricare a acestuia/Biocomposite medical device for the extensive reconstruction of soft tissue and its method of manufacturing**. SALONUL INTERNAȚIONAL AL CERCETĂRII ȘTIINȚIFICE, INOVĂRII ȘI INVENTICII PRO INVENT, Ediția XVII, 20-22 MARTIE 2019, CLUJ-NAPOCA. Președintele salonului: Prof.dr.ing. Vasile Țopa-Rector al Universității Tehnice din Cluj-Napoca, Preșesintele juriului: Prof.dr.ing. Radu MUNTEANU.
167. **DIPLOMĂ DE EXCELENȚĂ ȘI MEDALIA DE AUR**- Se acordă BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBUCătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina pentru **PROTEZĂ TOTALĂ DE COT SEMICONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI/SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT**. SALONUL INTERNAȚIONAL AL CERCETĂRII ȘTIINȚIFICE, INOVĂRII ȘI INVENTICII PRO INVENT, Ediția XVII, 20-22 MARTIE 2019, CLUJ-NAPOCA. Președintele salonului: Prof.dr.ing. Vasile Țopa-Rector al Universității Tehnice din Cluj-Napoca, Preșesintele juriului: Prof.dr.ing. Radu MUNTEANU.



## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

168. **DIPLOMĂ DE EXCELENȚĂ**- Se acordă BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan pentru **PROTEZĂ TOTALĂ DE COT CONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU FIXARE DE TIP BALAMA ȘI SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI/TOTAL CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT**. SALONUL INTERNAȚIONAL AL CERCETĂRII ȘTIINȚIFICE, INOVĂRII ȘI INVENTICII PRO INVENT, Ediția XVII, 20-22 MARTIE 2019, CLUJ-NAPOCA. Președintele salonului: Prof.dr.ing. Vasile Țopa-Rector al Universității Tehnice din Cluj-Napoca, Președintele juriului: Prof.dr.ing. Radu MUNTEANU.
169. **DIPLOMĂ DE EXCELENȚĂ ȘI MARELE PREMIU AL SALONULUI**- Se acordă Universității Politehnica București, pentru **Toate invențiile prezentate la Salonul Pro Invent 2019**. SALONUL INTERNAȚIONAL AL CERCETĂRII ȘTIINȚIFICE, INOVĂRII ȘI INVENTICII PRO INVENT, Ediția XVII, 20-22 MARTIE 2019, CLUJ-NAPOCA. Președintele salonului: Prof.dr.ing. Vasile Țopa-Rector al Universității Tehnice din Cluj-Napoca, Președintele juriului: Prof.dr.ing. Radu MUNTEANU.
170. **DIPLOMĂ DE EXCELENȚĂ ȘI MEDALIA DE AUR** -Se acordă: BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan de la Universitatea Politehnica București pentru **PROTEZĂ TOTALĂ DE COT CONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU FIXARE DE TIP BALAMA ȘI SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI** SALONUL INTERNAȚIONAL AL CERCETĂRII ȘTIINȚIFICE, INOVĂRII ȘI INVENTICII PRO INVENT, Ediția XVII, 20-22 MARTIE 2019, CLUJ-NAPOCA. Președintele salonului: Prof.dr.ing. Vasile Țopa-Rector al Universității Tehnice din Cluj-Napoca, Președintele juriului: Prof.dr.ing. Radu MUNTEANU.
171. **DIPLOMĂ DE EXCELENȚĂ ȘI MEDALIA DE AUR** Se acordă Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, **Costoiu Mihnea**, MATEȘ Ileana Mariana de la Universitatea Politehnica București pentru **Dispozitiv medical biocompozit pentru reconstrucția extinsă a tesuturilor moi și metoda de fabricare a acestuia** SALONUL INTERNAȚIONAL AL CERCETĂRII ȘTIINȚIFICE, INOVĂRII ȘI INVENTICII PRO INVENT, Ediția XVII, 20-22 MARTIE 2019, CLUJ-NAPOCA. Președintele salonului: Prof.dr.ing. Vasile Țopa-Rector al Universității Tehnice din Cluj-Napoca, Președintele juriului: Prof.dr.ing. Radu MUNTEANU.
172. **DIPLOME PRIX DE L'AGEPI** (AGENCE d'ETAT POUR LA PROPRIETE INTELLECTUELLE DE LA REPUBLIQUE DE MOLDOVA) decernee a BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan pour **PROTHESE TOTALE DE COUDE CONSTRICTE EN ALLIAGE A MEMOIRE DE LA FORME**

## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

- AVEC FIXATION ANALOGUE AVEC CHARNIERE ET SYSTEME DE COUPLAGE BASE SUR L'EFFET DE MEMOIRE DE LA FORME** a l'occasion de la 47 eme edition du Salon International des Inventions, Lilia BOLOCAN Directeur General, 10-14 avril 2019, Geneve.
173. **MEDAILLE D'OR** de remettre a BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan pour l'invention **PROTHESE TOTALE DE COUDE CONSTRICTE EN ALLIAGE A MEMOIRE DE LA FORME AVEC FIXATION ANALOGUE AVEC CHARNIERE ET SYSTEME DE COUPLAGE BASE SUR L'EFFET DE MEMOIRE DE LA FORME**, SALON INTERNATIONAL DES INVENTIONS GENEVE, Le President du Salon: Jean-Luc Vincent, Le President du Jury: David Taji, Geneve, le 12 avril 2019
174. **CERTIFICATE OF ATTENDANCE** for **AUTOSTATIC SPECULUM WITH ASPIRATION SYSTEM AND VARIABLE OPENING**, Authors DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, SEMENESCU Augustin, DAVIȚOIU Dragoș - Virgil, **COSTOIU Mihnea - Cosmin**, DOICIN Ioana - Cristina, MANDA Ana Laura have participated at EUROINVENT 2019- European Exhibition Of Creativity And Innovation, Coordinator If EUROINVENT Dr.Eng. Andrei Victor SANDU, May 16-18,2019, romania2019.eu.
175. **CERTIFICATE OF ATTENDANCE** for **BIOCOMPOSITE MEDICAL DEVICE FOR THE EXTENSIVE RECONSTRUCTION OF SOFT TISSUE AND ITS METHOD OF MANUFACTURING**, Authors Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, Costoiu Mihnea, MATEȘ Ileana Mariana, have participated at EUROINVENT 2019- European Exhibition Of Creativity And Innovation, Coordinator If EUROINVENT Dr.Eng. Andrei Victor SANDU, May 16-18,2019, romania2019.eu.
176. **CERTIFICATE OF ATTENDANCE** for **MECHANO-ELECTRIC LAUNDRY DRYER**, Authors: Florin MICULESCU, Marian MICULESCU, **Mihnea Cosmin COSTOIU**, Oana-Roxana CHIVU, Cătălin-Alexandru BARBU, Augustin SEMENESCU have participated at EUROINVENT 2019- European Exhibition Of Creativity And Innovation, Coordinator If EUROINVENT Dr.Eng. Andrei Victor SANDU, May 16-18,2019, romania2019.eu.
177. **CERTIFICATE OF ATTENDANCE** for **FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE** Alin- Dragoș DEMETRIAN, Camelia DEMETRIAN, **Mihnea Cosmin COSTOIU**, Augustin SEMENESCU, Oana-Roxana CHIVU, Ileana Mariana MATEȘ have participated at EUROINVENT 2019- European Exhibition Of Creativity And Innovation, Coordinator If EUROINVENT Dr.Eng. Andrei Victor SANDU, May 16-18,2019, romania2019.eu.
178. CORNELIU GRUP, ASOCIAȚIA CORNELIU GRUP CERCETARE-INOVARE **DIPLOMĂ DE EXCELENȚĂ** pentru **AUTOSTATIC SPECULUM WITH ASPIRATION SYSTEM AND VARIABLE OPENING**, Authors DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, SEMENESCU Augustin, DAVIȚOIU Dragoș - Virgil, **COSTOIU Mihnea - Cosmin**, DOICIN Ioana - Cristina, MANDA Ana Laura
179. CORNELIU GRUP, ASOCIAȚIA CORNELIU GRUP CERCETARE-INOVARE **DIPLOMĂ DE EXCELENȚĂ** pentru **BIOCOMPOSITE MEDICAL DEVICE FOR THE EXTENSIVE RECONSTRUCTION**



## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

- OF SOFT TISSUE AND ITS METHOD OF MANUFACTURING*, Authors Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, Costoiu Mihnea, MATEȘ Ileana Mariana.
180. CORNELIU GRUP, ASOCIAȚIA CORNELIU GRUP CERCETARE-INOVAR **DIPLOMĂ DE EXCELENȚĂ** pentru *MECHANO-ELECTRIC LAUNDRY DRYER*, Authors: Florin MICULESCU, Marian MICULESCU, Mihnea Cosmin COSTOIU, Oana-Roxana CHIVU, Cătălin-Alexandru BARBU, Augustin SEMENESCU .
181. CORNELIU GRUP, ASOCIAȚIA CORNELIU GRUP CERCETARE-INOVAR **DIPLOMĂ DE EXCELENȚĂ** pentru *FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE* Alin-Dragoș DEMETRIAN, Camelia DEMETRIAN, Mihnea Cosmin COSTOIU, Augustin SEMENESCU, Oana-Roxana CHIVU, Ileana Mariana MATEȘ
182. REPUBLICA PORTUGUESA, MEMBER OF THE WORLD COUNCIL FOR PEACE & INNOVATION, ASSOCIATION OF EUROPEAN INVENTORS, ASSOCIATION OF PORTUGUESE INNOVATOR'S & CREATIVES-CERTIFICATE, IT CERTIFIES THE PRESENT, TO CONFIRM OFFICIAL INTERNATIONAL MERIT CERTIFICATE FOR CONTRIBUTION TO INNOVATION AND EXCELENT INTERNATIONAL COOPERATION. IT CERTIFIES THAT IS GRANTED TO DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, SEMENESCU Augustin, DAVIȚOIU Dragoș - Virgil, COSTOIU Mihnea - Cosmin, DOICIN Ioana - Cristina, MANDA Ana Laura FROM UNIVERSITY POLITEHNICA OF BUCHAREST, EU, **FOR THE EXCELLENT INVENTION AUTOSTATIC SPECULUM WITH ASPIRATION SYSTEM AND VARIABLE OPENING** for all the abnegated share, cooperation and sparkling open mind for her new ideas promoting innovation & creativity in the inventive spirit of progress. 11th EUROINVENT Salon, Palace of Culture, IASI, ROMANIA, May 16-18, 2019, Vice-President Manuel Maria Potes de Cordovil, President Fernando Maldonado Lopes.
183. REPUBLICA PORTUGUESA, MEMBER OF THE WORLD COUNCIL FOR PEACE & INNOVATION, ASSOCIATION OF EUROPEAN INVENTORS, ASSOCIATION OF PORTUGUESE INNOVATOR'S & CREATIVES-CERTIFICATE, IT CERTIFIES THE PRESENT, TO CONFIRM OFFICIAL INTERNATIONAL MERIT CERTIFICATE FOR CONTRIBUTION TO INNOVATION AND EXCELENT INTERNATIONAL COOPERATION. IT CERTIFIES THAT IS GRANTED TO Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, Costoiu Mihnea, MATEȘ Ileana Mariana. FROM UNIVERSITY POLITEHNICA OF BUCHAREST, EU, **FOR THE EXCELLENT INVENTION BIOCOMPOSITE MEDICAL DEVICE FOR THE EXTENSIVE RECONSTRUCTION OF SOFT TISSUE AND ITS METHOD OF MANUFACTURING**, for all the abnegated share, cooperation and sparkling open mind for her new ideas promoting innovation & creativity in the inventive spirit of progress. 11th EUROINVENT Salon, Palace of Culture, IASI, ROMANIA, May 16-18, 2019, Vice-President Manuel Maria Potes de Cordovil, President Fernando Maldonado Lopes

## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

184. REPUBLICA PORTUGUESA, MEMBER OF THE WORLD COUNCIL FOR PEACE & INNOVATION, ASSOCIATION OF EUROPEAN INVENTORS, ASSOCIATION OF PORTUGUESE INNOVATOR'S & CREATIVES-**CERTIFICATE**, IT CERTIFIES THE PRESENT, TO CONFIRM OFFICIAL INTERNATIONAL MERIT CERTIFICATE FOR CONTRIBUTION TO INNOVATION AND EXCELENT INTERNATIONAL COOPERATION. IT CERTIFIES THAT IS GRANTED TO: Alin-Dragoș DEMETRIAN, Camelia DEMETRIAN, **Mihnea Cosmin COSTOIU**, Augustin SEMENESCU, Oana-Roxana CHIVU, Ileana Mariana MATEȘ FROM UNIVERSITY POLITEHNICA OF BUCHAREST, EU, FOR THE EXCELLENT INVENTION **FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE**, for all the abnegated share, cooperation and sparkling open mind for her new ideas promoting innovation & creativity in the inventive spirit of progress. 11th EUROINVENT Salon, Palace of Culture, IASI, ROMANIA, May 16-18, 2019, Vice-Presindnt Manuel Maria Potes de Cordovil, President Fernando Maldonado Lopes.
185. TISIAS( TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS) i-CAN-TORONTO, CANADA(International Invention Innovation Competition in Canada)-**SPECIAL HONOUR OF INVENTION** is hereby presented to DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, SEMENESCU Augustin, DAVIȚOIU Dragoș - Virgil, **COSTOIU Mihnea - Cosmin**, DOICIN Ioana - Cristina, MANDA Ana Laura FROM UNIVERSITY POLITEHNICA OF BUCHAREST, EU for an outstanding exhibition of invention entitled **AUTOSTATIC SPECULUM WITH ASPIRATION SYSTEM AND VARIABLE OPENING** the 11th European Exhibition Of Creativity And Innovation, EUROINVENT 2019, Palace of Culture, IASI, ROMANIA, May 16-18, 2019, Moonsuk CHANG-Chairman & Chief Exhibition Officer TISIAS-Toronto, Canada, Bob HUYBRECHTS, RDT, Co-Chairman of the Jury iCAN-Toronto Canada.
186. TISIAS( TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS) i-CAN-TORONTO, CANADA(International Invention Innovation Competition in Canada)-**SPECIAL HONOUR OF INVENTION** is hereby presented to Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, **Costoiu Mihnea**, MATEȘ Ileana Mariana. FROM UNIVERSITY POLITEHNICA OF BUCHAREST, EU, FOR for an outstanding exhibition of invention entitled **BIOCOMPOSITE MEDICAL DEVICE FOR THE EXTENSIVE RECONSTRUCTION OF SOFT TISSUE AND ITS METHOD OF MANUFACTURING**, the 11th European Exhibition Of Creativity And Innovation, EUROINVENT 2019, Palace of Culture, IASI, ROMANIA, May 16-18, 2019, Moonsuk CHANG-Chairman & Chief Exhibition Officer TISIAS-Toronto, Canada, Bob HUYBRECHTS, RDT, Co-Chairman of the Jury iCAN-Toronto Canada.
- 187.184. TISIAS( TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS) i-CAN-TORONTO, CANADA(International Invention Innovation Competition in Canada)-**SPECIAL HONOUR OF INVENTION** is hereby presented to: Florin MICULESCU, Marian MICULESCU, **Mihnea Cosmin COSTOIU**, Oana-Roxana CHIVU, Cătălin-Alexandru BARBU, Augustin SEMENESCU FROM



## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

- UNIVERSITY POLITEHNICA OF BUCHAREST, EU, FOR for an outstanding exhibition of invention entitled **MECHANO-ELECTRIC LAUNDRY DRYER**, the 11th European Exhibition Of Creativity And Innovation, EUROINVENT 2019, Palace of Culture, IASI, ROMANIA, May 16-18, 2019, Moonsuk CHANG-Chairman & Chief Exhibition Officer TISIAS-Toronto, Canada, Bob HUYBRECHTS, RDT, Co-Chairman of the Jury iCAN-Toronto Canada.
188. TISIAS( TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS) i-CAN-TORONTO, CANADA(International Invention Innovation Competition in Canada)-**SPECIAL HONOUR OF INVENTION** is hereby presented to: Alin-Dragoș DEMETRIAN, Camelia DEMETRIAN, **Mihnea Cosmin COSTOIU**, Augustin SEMENESCU, Oana-Roxana CHIVU, Ileana Mariana MATEȘ FROM UNIVERSITY POLITEHNICA OF BUCHAREST, EU, FOR for an outstanding exhibition of invention entitled **for FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE**, the 11th European Exhibition Of Creativity And Innovation, EUROINVENT 2019, Palace of Culture, IASI, ROMANIA, May 16-18, 2019, Moonsuk CHANG-Chairman & Chief Exhibition Officer TISIAS-Toronto, Canada, Bob HUYBRECHTS, RDT, Co-Chairman of the Jury iCAN-Toronto Canada.
189. UNIVERSITATEA DE ȘTIINȚE AGRICOLE ȘI MEDICINĂ VETERINARĂ A BANATULUI "REGELE MIHAI I AL ROMÂNIEI" DIN TIMIȘOARA **DIPLOMA OF EXCELLENCE of BUASVM "REGELE MIHAI I AL ROMÂNIEI"** from TIMIȘOARA , the 11th European Exhibition Of Creativity And Innovation, EUROINVENT 2019, IASI, ROMANIA, May 16-18, for **AUTOSTATIC SPECULUM WITH ASPIRATION SYSTEM AND VARIABLE OPENING**, Authors DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, SEMENESCU Augustin, DAVIȚOIU Dragoș - Virgil, **COSTOIU Mihnea - Cosmin**, DOICIN Ioana - Cristina, MANDA Ana Laura, Rector :Phd Prof.Dr.Ing. Cosmin Alin POPESCU, Vicerector : Phd Prof.Dr.Ing. Isidora RADULOV, TIMIȘOARA, May 2019.
190. UNIVERSITATEA DE ȘTIINȚE AGRICOLE ȘI MEDICINĂ VETERINARĂ A BANATULUI "REGELE MIHAI I AL ROMÂNIEI" DIN TIMIȘOARA **DIPLOMA OF EXCELLENCE of BUASVM "REGELE MIHAI I AL ROMÂNIEI"** from TIMIȘOARA , the 11th European Exhibition Of Creativity And Innovation, EUROINVENT 2019, IASI, ROMANIA, May 16-18, for **BIOCOMPOSITE MEDICAL DEVICE FOR THE EXTENSIVE RECONSTRUCTION OF SOFT TISSUE AND ITS METHOD OF MANUFACTURING**, Authors Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, **Costoiu Mihnea**, MATEȘ Ileana Mariana, Rector :Phd Prof.Dr.Ing. Cosmin Alin POPESCU, Vicerector : Phd Prof.Dr.Ing. Isidora RADULOV, TIMIȘOARA, May 2019.
191. UNIVERSITATEA DE ȘTIINȚE AGRICOLE ȘI MEDICINĂ VETERINARĂ A BANATULUI "REGELE MIHAI I AL ROMÂNIEI" DIN TIMIȘOARA **DIPLOMA OF EXCELLENCE of BUASVM "REGELE MIHAI I AL ROMÂNIEI"** from TIMIȘOARA , the 11th European Exhibition Of Creativity And Innovation, EUROINVENT 2019, IASI, ROMANIA, May 16-18, for **MECHANO-ELECTRIC LAUNDRY DRYER**, Authors: Florin MICULESCU, Marian MICULESCU, **Mihnea Cosmin COSTOIU**, Oana-Roxana CHIVU,

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- Cătălin-Alexandru BARBU, Augustin SEMENESCU Rector :Phd Prof.Dr.Ing. Cosmin Alin POPESCU, Vicerector : Phd Prof.Dr.Ing. Isidora RADULOV, TIMIȘOARA, May 2019.
- 192.UNIVERSITATEA DE ȘTIINȚE AGRICOLE ȘI MEDICINĂ VETERINARĂ A BANATULUI "REGELE MIHAI I AL ROMÂNIEI " DIN TIMIȘOARA **DIPLOMA OF EXCELLENCE of BUASVM** "REGELE MIHAI I AL ROMÂNIEI " from TIMIȘOARA , the 11th European Exhibition Of Creativity And Innovation, EUROINVENT 2019, IASI, ROMANIA, May 16-18, for **FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE** Authors: Alin-Dragoș DEMETRIAN, Camelia DEMETRIAN, **Mihnea Cosmin COSTOIU**, Augustin SEMENESCU, Oana-Roxana CHIVU, Ileana Mariana MATEȘ, Rector :Phd Prof.Dr.Ing. Cosmin Alin POPESCU, Vicerector : Phd Prof.Dr.Ing. Isidora RADULOV, TIMIȘOARA, May 2019
- 193.Association of Thai Innovation and Invention Promotion-ATIP- **GOLD PRIZE** is hereby awarded to Authors Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, **Costoiu Mihnea**, MATEȘ Ileana Mariana, for **BIOCOMPOSITE MEDICAL DEVICE FOR THE EXTENSIVE RECONSTRUCTION OF SOFT TISSUE AND ITS METHOD OF MANUFACTURING**, European Exhibition Of Creativity And Innovation, EUROINVENT 2019, IASI, ROMANIA, May 16-18, PRESIDENT: Dr. Unchalee Sanguanpong.
- 194.Association of Thai Innovation and Invention Promotion-ATIP- **GOLD PRIZE** is hereby awarded to, Authors: Florin MICULESCU, Marian MICULESCU, **Mihnea Cosmin COSTOIU**, Oana-Roxana CHIVU, Cătălin-Alexandru BARBU, Augustin SEMENESCU , for **MECHANO-ELECTRIC LAUNDRY DRYER** , European Exhibition Of Creativity And Innovation, EUROINVENT 2019, IASI, ROMANIA, May 16-18, PRESIDENT: Dr. Unchalee Sanguanpong.
- 195.Association of Thai Innovation and Invention Promotion-ATIP- **GOLD PRIZE** is hereby awarded to Authors:Alin-Dragoș DEMETRIAN, Camelia DEMETRIAN, **Mihnea Cosmin COSTOIU**, Augustin SEMENESCU, Oana-Roxana CHIVU, Ileana Mariana MATEȘ European Exhibition Of Creativity And Innovation , for **FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE**, EUROINVENT 2019, IASI, ROMANIA, May 16-18, PRESIDENT: Dr. Unchalee Sanguanpong.
- 196.Association of Thai Innovation and Invention Promotion-ATIP- **GOLD PRIZE** is hereby awarded to Authors DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, SEMENESCU Augustin, DAVIȚOIU Dragoș - Virgil, **COSTOIU Mihnea - Cosmin**, DOICIN Ioana - Cristina, MANDA Ana Laura, for **AUTOSTATIC SPECULUM WITH ASPIRATION SYSTEM AND VARIABLE OPENING**, EUROINVENT 2019, IASI, ROMANIA, May 16-18, PRESIDENT
- 197.UNIVERSITY OF CRAIOVA ROMANIA- **INNOVATION AWARD & GOLD MEDAL**, granted, as a sign of respect and appreciation for the innovative spirit in the field of scientific research, to Authors Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, **Costoiu Mihnea**, MATEȘ Ileana Mariana, for **BIOCOMPOSITE MEDICAL DEVICE FOR THE EXTENSIVE RECONSTRUCTION OF**



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- SOFT TISSUE AND ITS METHOD OF MANUFACTURING*, EUROINVENT 2019, IASI, ROMANIA, May 16-18 2019.
198. EUROINVENT 11 EDITION EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION 2019 **DIPLOMA** for performance in Education and Research AWARD TO **POLITEHNICA University of Bucharest** for *BIOCOMPOSITE MEDICAL DEVICE FOR THE EXTENSIVE RECONSTRUCTION OF SOFT TISSUE AND ITS METHOD OF MANUFACTURING, FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE, AUTOSTATIC SPECULUM WITH ASPIRATION SYSTEM AND VARIABLE OPENING, MECHANO-ELECTRIC LAUNDRY DRYER*, President of International Jury Dr. Eng. Mohd Mustafa Al Bakri ABDULLAH, President of Exhibition Prof. Ion SANDU, May18, 2019.
199. **DIPLOMĂ DE EXCELENȚĂ ȘI MEDALIA DE AUR** -Se acordă: BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan de la Universitatea Politehnica București pentru *PROTEZĂ TOTALĂ DE COT CONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU FIXARE DE TIP BALAMA ȘI SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI* SALONUL INTERNAȚIONAL AL CERCETĂRII ȘTIINȚIFICE, INOVĂRII ȘI INVENTICII PRO INVENT, Ediția XVII, 20-22 MARTIE 2019, CLUJ-NAPOCA. Președintele salonului: Prof.dr.ing. Vasile Țopa-Rector al Universității Tehnice din Cluj-Napoca, Președintele juriului: Prof.dr.ing. Radu MUNTEANU.
200. **DIPLOMA INTERNATIONAL INVENTION AND INNOVATION SHOW, INTARG POLAND, SILVER MEDAL** Awarded to **University Politehnica of Bucharest** for the invention: *AUTOSTATIC SPECULUM WITH ASPIRATION SYSTEM AND VARIABLE OPENING*, The President of International Jury Krzysztof Biernat, Prof, The President of Eurobusiness-Haller-Barbara Haller de Hallenburg, 4-5 June 2019, Katowice, Poland
201. **DIPLOMA INTERNATIONAL INVENTION AND INNOVATION SHOW, INTARG POLAND, PLATINUM MEDAL** Awarded to **University Politehnica of Bucharest** for the invention: *BIOCOMPOSITE MEDICAL DEVICE FOR THE EXTENSIVE RECONSTRUCTION OF SOFT TISSUE AND ITS METHOD OF MANUFACTURING*, The President of International Jury Krzysztof Biernat, Prof, The President of Eurobusiness-Haller-Barbara Haller de Hallenburg, 4-5 June 2019, Katowice, Poland
202. **MINISTRY OF INVESTMENT AND ECONOMIC DEVELOPMENT DIPLOMA University Politehnica of Bucharest** on account of winning **Platinum Medal** at INTERNATIONAL INVENTION AND INNOVATION SHOW INTARG 2019 for *BIOCOMPOSITE MEDICAL DEVICE FOR THE EXTENSIVE RECONSTRUCTION OF SOFT TISSUE AND ITS METHOD OF MANUFACTURING*, Jerzy KWIECINSKI-Minister of Investment and Economic Development, Katowice, June 5, 2019.
203. **WIIPA SPECIAL AWARD** presented to: Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, **Costoiu Mihnea**, MATEȘ Ileana Mariana in recognition of *BIOCOMPOSITE MEDICAL DEVICE FOR THE EXTENSIVE RECONSTRUCTION OF SOFT TISSUE AND ITS METHOD OF*

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- MANUFACTURING**, exhibited at INTERNATIONAL INVENTION AND INNOVATION SHOW INTARG 3-5 June 2019, Spodek, Katowice, Poland, Manli Hsieh-President World Invention Intellectual Property Associations.
204. WIIPA **SPECIAL AWARD** presented to: Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, **Costoiu Mihnea**, MATEȘ Ileana Mariana in recognition of **BIOCOMPOSITE MEDICAL DEVICE FOR THE EXTENSIVE RECONSTRUCTION OF SOFT TISSUE AND ITS METHOD OF MANUFACTURING**, exhibited at INTERNATIONAL INVENTION AND INNOVATION SHOW INTARG 3-5 June 2019, Spodek, Katowice, Poland, Manli Hsieh-President World Invention Intellectual Property Associations.
205. INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU MAȘINI ȘI INSTALAȚII DESTINATE AGRICULTURII ȘI INDUSTRIEI ALIMENTARE INMA BUCUREȘTI, Salonul Internațional de Invenții și Inovații "Traian Vuia" Timișoara 2019, **TROFEU ȘI DIPLOMĂ DE EXCELENȚĂ, SISTEM COMPLET PENTRU DRENAJUL TORACIC, REUTILIZABIL - BREVET OSIM, MU Nr. RO 2018 00003**, Autori DEMETRIAN Alin-Dragoș, DEMETRIAN Camelia, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, CHIVU Oana-Roxana, MATEȘ Ileana Mariana
206. UMFT-Universitatea de Medicină și Farmacie Victor Babeș din Timișoara, romania2019.eu , Salonul Internațional de Invenții și Inovații "Traian Vuia" Timișoara 2019, **PREMIU SPECIAL** pentru lucrarea **PROCEDEU DE OBȚINERE A UNUI PRODUS TIP SCAFFOLD PE BAZĂ DE HIDROXIAPATITĂ, PENTRU RECONSTRUCȚIA DEFECTELOR OSOASE MAJORE, CU PROPRIETĂȚI FIZICO-CHIMICE PREDETERMINATE RO131943/2017-06-30**, Autori Florin MICULESCU, Andeea MAIDANIUC, **Mihnea Cosmin COSTOIU**, Augustin SEMENESCU, Marian MICULESCU, Florentina IONITA-RADU, Marius ARGHIRESCU 12-14 iunie 2019, Rector Prof.Univ.Dr. Marus RAICA.
207. Salonul Internațional de Invenții și Inovații "Traian Vuia" Timișoara 2019, **DIPLOMĂ ȘI MEDALIA DE AUR** pentru invenția **SPECULUM AUTOSTATIC CU SISTEM DE ASPIRAȚIE ȘI DESCHIDERE VARIABILĂ** - RO A/00374 din 29.05.2018 Autori DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, SEMENESCU Augustin, DAVIȚOIU Dragoș - Virgil, **COSTOIU Mihnea - Cosmin**, DOICIN Ioana - Cristina, MANDA Ana Laura, Instituția UNIVERSITATEA POLITEHNICA BUCUREȘTI, Președinte juriu: Camelia MARINESCU, Președinte salon: Remi RĂDULESU, Data 14 iunie 2019.
208. Salonul Internațional de Invenții și Inovații "Traian Vuia" Timișoara 2019, **DIPLOMĂ ȘI MEDALIA DE AUR** pentru invenția **DISPOZITIV MEDICAL BIOCOMPOZIT PENTRU RECONSTRUCTIA EXTINSA A TESUTURILOR MOI - RO133123 (A0) 2019-03-29** Autori DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, TUNSOIU Daniela, TUNSOIU Nicolae, MURZAC Roman, PARASCHIV Alexandru, DOICIN Ioana - Cristina, SEMENESCU Augustin, **COSTOIU Mihnea - Cosmin**, DAVIȚOIU Dragoș - Virgil, MATEȘ Ileana Mariana, Instituția UNIVERSITATEA POLITEHNICA BUCUREȘTI, Președinte juriu: Camelia MARINESCU, Președinte salon: Remi RĂDULESU, Data 14 iunie 2019



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209. Salonul Internațional de Invenții și Inovații "Traian Vuia" Timișoara 2019, **DIPLOMĂ și MEDALIA DE AUR** pentru invenția **PROCEDEU DE OBȚINERE A UNUI PRODUS TIP SCAFFOLD PE BAZĂ DE HIDROXIAPATITĂ, PENTRU RECONSTRUCȚIA DEFECTELOR OSOASE MAJORE, CU PROPRIETĂȚI FIZICO-CHIMICE PREDETERMINATE RO131943/2017-06-30**, Autori Florin MICULESCU, Andeea MAIDANIUC, Mihnea Cosmin COSTOIU, Augustin SEMENESCU, Marian MICULESCU, Florentina IONITA-RADU, Marius ARGHIRESCU, Instituția UNIVERSITATEA POLITEHNICA BUCUREȘTI, Președinte juriu: Camelia MARINESCU, Președinte salon: Remi RĂDULESU, Data 14 iunie 2019
210. Salonul Internațional de Invenții și Inovații "Traian Vuia" Timișoara 2019, **DIPLOMĂ și MEDALIA DE AUR** pentru invenția **SISTEM COMPLET PENTRU DRENAJUL TORACIC, REUTILIZABIL - BREVET OSIM, MU Nr. RO 2018 00003**, Autori DEMETRIAN Alin-Dragoș, DEMETRIAN Camelia, COSTOIU Mihnea Cosmin, SEMENESCU Augustin, CHIVU Oana-Roxana, MATEȘ Ileana Mariana Instituția UNIVERSITATEA POLITEHNICA BUCUREȘTI, Președinte juriu: Camelia MARINESCU, Președinte salon: Remi RĂDULESU, Data 14 iunie 2019
211. Universitatea de Științe Agricole și Medicină Veterinară a Banatului "REGELE MIHAI I AL ROMÂNIEI" din Timișoara, a 4-a Ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA" Timișoara, România, 12-14 iunie 2019, **TROFEU ȘI DIPLOMĂ DE EXCELENȚĂ A USAMVB "REGELE MIHAI I AL ROMÂNIEI"** din Timișoara pentru lucrarea **SISTEM COMPLET PENTRU DRENAJUL TORACIC, REUTILIZABIL - BREVET OSIM, MU Nr. RO 2018 00003**, Autori DEMETRIAN Alin-Dragoș, DEMETRIAN Camelia, COSTOIU Mihnea Cosmin, SEMENESCU Augustin, CHIVU Oana-Roxana, MATEȘ Ileana Mariana, Rector: Prof.univ.dr.ing. POPESCU Cosmin, Prorector Prof.univ.dr.ing RADULOV Isidora.
212. Universitatea de Științe Agricole și Medicină Veterinară a Banatului "REGELE MIHAI I AL ROMÂNIEI" din Timișoara, a 4-a Ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA" Timișoara, România, 12-14 iunie 2019, **TROFEU ȘI DIPLOMĂ DE EXCELENȚĂ A USAMVB "REGELE MIHAI I AL ROMÂNIEI"** din Timișoara pentru lucrarea **SPECULUM AUTOSTATIC CU SISTEM DE ASPIRAȚIE ȘI DESCHIDERE VARIABILĂ - RO A/00374 din 29.05.2018** Autori DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, SEMENESCU Augustin, DAVIȚOIU Dragoș - Virgil, COSTOIU Mihnea - Cosmin, DOICIN Ioana - Cristina, MANDA Ana Laura, Rector: Prof.univ.dr.ing. POPESCU Cosmin, Prorector Prof.univ.dr.ing RADULOV Isidora
213. Universitatea de Științe Agricole și Medicină Veterinară a Banatului "REGELE MIHAI I AL ROMÂNIEI" din Timișoara, a 4-a Ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA" Timișoara, România, 12-14 iunie 2019, **TROFEU ȘI DIPLOMĂ DE EXCELENȚĂ A USAMVB "REGELE MIHAI I AL ROMÂNIEI"** din Timișoara pentru lucrarea **PROCEDEU DE OBȚINERE A UNUI PRODUS TIP SCAFFOLD PE BAZĂ DE HIDROXIAPATITĂ, PENTRU RECONSTRUCȚIA DEFECTELOR OSOASE MAJORE, CU PROPRIETĂȚI FIZICO-CHIMICE PREDETERMINATE RO131943/2017-06-30**, Autori Florin MICULESCU, Andeea MAIDANIUC, Mihnea Cosmin COSTOIU, Augustin SEMENESCU,

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- Marian MICULESCU, Florentina IONITA-RADU, Marius ARGHIRESCU Rector: Prof.univ.dr.ing. POPESCU Cosmin, Prorector Prof.univ.dr.ing RADULOV Isidora
214. Universitatea de Științe Agricole și Medicină Veterinară a Banatului "REGELE MIHAI I AL ROMÂNIEI" din Timișoara, a 4-a Ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA" Timișoara, România, 12-14 iunie 2019, **TROFEU ȘI DIPLOMĂ DE EXCELENȚĂ A USAMVB "REGELE MIHAI I AL ROMÂNIEI"** din Timișoara pentru lucrarea **DISPOZITIV MEDICAL BIOCOMPOZIT PENTRU RECONSTRUCTIA EXTINSA A TESUTURILOR MOI - RO133123 (A0) 2019-03-29** Autori DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, TUNSOIU Daniela, TUNSOIU Nicolae, MURZAC Roman, PARASCHIV Alexandru, DOICIN Ioana - Cristina, SEMENESCU Augustin, **COSTOIU Mihnea - Cosmin**, DAVIȚOIU Dragoș - Virgil, MATES Ileana Mariana, Rector: Prof.univ.dr.ing. POPESCU Cosmin, Prorector Prof.univ.dr.ing RADULOV Isidora
215. UNIVERSITATEA DE STAT DE MEDICINĂ ȘI FARMACIE "NICOLAE TESTEMIȚANU" DIN REPUBLICA MOLDOVA, STRATEGIA RESURSELOR UMANE PENTRU CERCETĂTORI, **TROFEU ȘI DIPLOMĂ DE EXCELENȚĂ CU MENȚIUNE SPECIALĂ** se acordă DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, TUNSOIU Daniela, TUNSOIU Nicolae, MURZAC Roman, PARASCHIV Alexandru, DOICIN Ioana - Cristina, SEMENESCU Augustin, **COSTOIU Mihnea - Cosmin**, DAVIȚOIU Dragoș - Virgil, MATES Ileana Mariana pentru **DISPOZITIV MEDICAL BIOCOMPOZIT PENTRU RECONSTRUCTIA EXTINSA A TESUTURILOR MOI - RO133123 (A0) 2019-03-29** Salonul "Traian Vuia 19", 12-14 iunie 2019, Timișoara, România, Rector: Profesor universitar, dr.hab.șt., academician al AȘM Ion ABABIL, Prorector pentru activitate științifică: profesor universitar, dr.hab.șt.med Gheorghe ROJNOVEANU
216. UNIVERSITATEA DE STAT DE MEDICINĂ ȘI FARMACIE "NICOLAE TESTEMIȚANU" DIN REPUBLICA MOLDOVA, STRATEGIA RESURSELOR UMANE PENTRU CERCETĂTORI, **TROFEU ȘI DIPLOMĂ DE EXCELENȚĂ CU MENȚIUNE SPECIALĂ** se acordă Florin MICULESCU, Andeea MAIDANIUC, **Mihnea Cosmin COSTOIU**, Augustin SEMENESCU, Marian MICULESCU, Florentina IONITA-RADU, Marius ARGHIRESCU pentru **PROCEDEU DE OBȚINERE A UNUI PRODUS TIP SCAFFOLD PE BAZĂ DE HIDROXIAPATITĂ, PENTRU RECONSTRUCȚIA DEFECTELOR OSOASE MAJORE, CU PROPRIETĂȚI FIZICO-CHIMICE PREDETERMINATE RO131943/2017-06-30. 29** Salonul "Traian Vuia 19", 12-14 iunie 2019, Timișoara, România, Rector: Profesor universitar, dr.hab.șt., academician al AȘM Ion ABABIL, Prorector pentru activitate științifică: profesor universitar, dr.hab.șt.med Gheorghe ROJNOVEANU
217. SC DAVIDONI-INVENT SRL DIPLOMĂ se acordă **PREMIUL SPECIAL "DAVIDONI"** autorilor Florin MICULESCU, Andeea MAIDANIUC, **Mihnea Cosmin COSTOIU**, Augustin SEMENESCU, Marian MICULESCU, Florentina IONITA-RADU, Marius ARGHIRESCU pentru **PROCEDEU DE OBȚINERE A UNUI PRODUS TIP SCAFFOLD PE BAZĂ DE HIDROXIAPATITĂ, PENTRU RECONSTRUCȚIA DEFECTELOR OSOASE MAJORE, CU PROPRIETĂȚI FIZICO-CHIMICE PREDETERMINATE RO131943/2017-06-30. 29** prezentat în cadrul SALONULUI DE INVENȚII "TRAIAN VUIA DIN TIMIȘOARA" 12-14 Iunie 2019, Manager: Ciprian DAVIDONI.



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218. **SODINEXPO DIPLOMA**, offered to Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, Costoiu Mihnea, Mateș Ileana Mariana for **MEDICAL BIO-COMPOSITE DEVICE FOR EXTENDED RECONSTRUCTION OF SOFT TISSUES - RO133123**, Iasi, Romania XXIII-th International Exhibition of Inventics-INVENTICA 2019 (Iasi, Romania, June 26-28, 2019), SODINEXPO, LLC MOSCOW, Russia General Director: Dmitry MAKHANKO.
219. CAROL DAVILA UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST, **GOLD MEDAL AWARD OF EXCELLENCE** presented to -DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, SEMENESCU Augustin, DAVIȚOIU Dragoș - Virgil, COSTOIU Mihnea - Cosmin, DOICIN Ioana - Cristina, MANDA Ana Laura for **AUTOSTATIC SPECULUM WITH ASPIRATION SYSTEM AND VARIABLE OPENING - RO132845** in recognition of the outstanding contribution to THE 23 rd INTERNATIONAL EXHIBITION OF INVENTICS INVENTICA 2019 26.06.2019-28.06.2019, Rector Acad. Ioanel SINESCU
220. INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU MAȘIN ȘI INSTALAȚII DESTINATE AGRICULTURII ȘI INDUSTRIEI ALIMENTARE-INMA București, Inventica 2019, DIPLOMA DE EXCELENȚĂ pentru **SISTEM COMPLET PENTRU DRENAJUL TORACIC, REUTILIZABIL, MU RO201800003** Autori : DEMETRIAN Alin-Dragoș, DEMETRIAN Camelia, COSTOIU Mihnea Cosmin, SEMENESCU Augustin, CHIVU Oana-Roxana, MATEȘ Ileana Mariana, Director General Dr.Ing. Nicolae-Valentin VLADUT, Iasi 26-28 iunie 2019.
221. Iustin Capră ASSOCIATION OF INVENTORS **CERTIFICATE OF EXCELLENCE** IS HEREBY AWARDED TO -Florin MICULESCU, Marian MICULESCU, Mihnea Cosmin COSTOIU, Oana-Roxana CHIVU, Cătălin-Alexandru BARBU, Augustin SEMENESCU FOR **MECHANO-ELECTRIC LAUNDRY DRYER- RO131500** at THE 23 rd INTERNATIONAL EXHIBITION OF INVENTICS INVENTICA 2019 26.06.2019-28.06.2019 President: Marian VELCEA, PH.D.
222. "GHEORGHE ASACHI" TECHNICAL UNIVERSITY, IASI, NATIONAL INSTITUTE OF INVENTICS, IASI, **DIPLOMA of HONOUR-MEDAL** INVENTICA 2019, offered to Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, Costoiu Mihnea, Mateș Ileana Mariana, University Politehnica of Bucharest, for **MEDICAL BIO-COMPOSITE DEVICE FOR EXTENDED RECONSTRUCTION OF SOFT TISSUES - RO13312388** in recognition of high scientific contribution and loyalty to the XXIII-th INTERNATIONAL EXHIBITION OF INVENTICS, INVENTICA 2019, IASI Romania, 26-28 June 2019, GENERAL MANAGER NATIONAL INSTITUTE OF INVENTICS Prof. Neculai SEGHEDEIN PhD.
223. "GHEORGHE ASACHI" TECHNICAL UNIVERSITY, IASI, NATIONAL INSTITUTE OF INVENTICS, IASI, **DIPLOMA of HONOUR-MEDAL** INVENTICA 2019, offered to DEMETRIAN Alin-Dragoș, DEMETRIAN Camelia, COSTOIU Mihnea Cosmin, SEMENESCU Augustin, CHIVU Oana-Roxana, MATEȘ Ileana Mariana University Politehnica of Bucharest, for **SISTEM COMPLET PENTRU DRENAJUL TORACIC, REUTILIZABIL, RO201800003** in recognition of high scientific contribution and loyalty to the XXIII-th

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- INTERNATIONAL EXHIBITION OF INVENTICS, INVENTICA 2019, IASI Romania, 26-28 June 2019, GENERAL MANAGER NATIONAL INSTITUTE OF INVENTICS Prof. Neculai SEGHEDEIN PhD.
224. TECHNICAL UNIVERSITY CLUJ-NAPOCA, ROMANIA, **SPECIAL PRIZE**, awarded by the Technical University of Cluj-Napoca Romania to Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, **Costoiu Mihnea**, Mateș Ileana Mariana, University Politehnica of Bucharest, for **MEDICAL BIO-COMPOSITE DEVICE FOR EXTENDED RECONSTRUCTION OF SOFT TISSUES - RO13312388** 23-th INTERNATIONAL EXHIBITION OF INVENTICS, INVENTICA 2019, IASI Romania, 26-28 June 2019, Rector: Prof. dr. eng. Vasile ȚOPA
225. TECHNICAL UNIVERSITY CLUJ-NAPOCA, ROMANIA, **SPECIAL PRIZE**, awarded by the Technical University of Cluj-Napoca Romania to to DEMETRIAN Alin-Dragoș, DEMETRIAN Camelia, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, CHIVU Oana-Roxana, MATEȘ Ileana Mariana University Politehnica of Bucharest, for **SISTEM COMPLET PENTRU DRENAJUL TORACIC, REUTILIZABIL, RO201800003** 23-th INTERNATIONAL EXHIBITION OF INVENTICS, INVENTICA 2019, IASI Romania, 26-28 June 2019, Rector: Prof. dr. eng. Vasile ȚOPA
226. INSTITUTUL NAȚIONAL DE CERCETARE DEZVOLATARE PENTRU MECATRONICĂ ȘI TEHNICA MĂSURĂRII-București, CLUBUL STRATEGIC PENTRU DOMENIUL SPECIALIZAT INTELIGENT MECATRONICĂ-MECHATREC, INVENTICA 2019, **DIPLOMA DE EXCELENȚĂ & TROFEUL GROUP MECHATRON** (INCDMTM & CRTTC & CLUSTER STRATEGIC-MECHATREC & APROMECA) se acordă Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, **Costoiu Mihnea**, Mateș Ileana Mariana pentru **MEDICAL BIO-COMPOSITE DEVICE FOR EXTENDED RECONSTRUCTION OF SOFT TISSUES - RO133123** "A 23-a ediție a Expoziție Internaționale de Invenții-Inventica 2019 și a Conferinței Internaționale de Inventică-Iași", 26-28 Iunie 2019 Vicepreședinte CINCDR Prof.Univ.Dr.Ing Eurlng. D.h.c. Gh. Ion GHEORGHE.
227. "GHEORGHE ASACHI" TECHNICAL UNIVERSITY, IASI, NATIONAL INSTITUTE OF INVENTICS, IASI, **DIPLOMA of EXCELLENCE-MEDAL** INVENTICA 2019, offered to Florin MICULESCU, Marian MICULESCU, **Mihnea Cosmin COSTOIU**, Oana-Roxana CHIVU, Cătălin-Alexandru BARBU, Augustin SEMENESCU, University Politehnica of Bucharest **MECHANO-ELECTRIC LAUNDRY DRYER- RO131500**, in recognition of high scientific contribution and loyalty to the XXIII-th INTERNATIONAL EXHIBITION OF INVENTICS, INVENTICA 2019, IASI Romania, 26-28 June 2019, GENERAL MANAGER NATIONAL INSTITUTE OF INVENTICS Prof. Neculai SEGHEDEIN PhD.
228. "GHEORGHE ASACHI" TECHNICAL UNIVERSITY, IASI, NATIONAL INSTITUTE OF INVENTICS, IASI, **DIPLOMA of HONOUR-MEDAL** INVENTICA 2019, offered to DOICIN Cristian - Vasile, ULMEANU Mihaela - Elena, SEMENESCU Augustin, DAVIȚOIU Dragoș - Virgil, **COSTOIU Mihnea - Cosmin**, DOICIN Ioana - Cristina, MANDA Ana Laura, University Politehnica of Bucharest, **AUTOSTATIC SPECULUM WITH ASPIRATION SYSTEM AND VARIABLE OPENING -RO132845**, in recognition of



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- high scientific contribution and loyalty to the XXIII-th INTERNATIONAL EXHIBITION OF INVENTICS, INVENTICA 2019, IASI Romania, 26-28 June 2019, GENERAL MANAGER NATIONAL INSTITUTE OF INVENTICS Prof. Neculai SEGHEDEIN PhD.
229. The National Institute for Research & Development in chemistry and Petrochemistry ICECHIM, **INNOVATION AWARD**, is awarded to Ulmeanu Mihaela-Elena, Doicin Cristian-Vasile, Davițoiu Dragoș, Tunsoiu Daniela, Tunsoiu Nicolae, Murzac Roman, Paraschiv Alexandru, Doicin Irina-Elena, Semenescu Augustin, **Costoiu Mihnea**, Mateș Ileana Mariana for **MEDICAL BIO-COMPOSITE DEVICE FOR EXTENDED RECONSTRUCTION OF SOFT TISSUES - RO133123**, to the XXIII-th INTERNATIONAL EXHIBITION OF INVENTICS, INVENTICA 2019, IASI Romania, 28.06.2019, General Manager: Dr.biochem. Mihaela DONI
230. **CERTIFICATE OF AWARD** HEREBY CERTIFIES THAT ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina-Elena, SĂCELEANU Vicențiu, University POLITEHNICA of *Bucharest HAS BEEN AWARDED BEST INVENTION OF EUROPE TROPHY FOR THE INVENTION INNOVATION OF CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS* the 4<sup>th</sup> International Invention Innovation Competition in Canada, iCAN 2019, TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) MOONSUK CHANG-Committee Chairman, BOB HUYBRECHTS, Co-Chairman of the Jury, August 24<sup>th</sup>, 2019, Toronto Canada.  
<https://www.cotidianul.ro/upb-a-obtinut-16-medalii-de-aur-la-ican-2019/>
- <https://www.agerpres.ro/educatie-stiinta/2019/09/04/upb-16-medalii-de-aur-la-international-invention-innovation-competition-in-canada--364350https://editiadedimineata.ro/succes-pentru-romania-la-cea-mai-mare-competitie-de-inventica-16-medalii-de-aur/>
  - <https://jurnalul.antena3.ro/stiri/educatie/the-4th-international-invention-innovation-competition-in-canada-ican-2019-universitatea-politehnica-din-bucuresti-16-medalii-de-aur-820479.html>
  - <https://cronicaromana.net/2019/09/04/universitatea-politehnica-din-bucuresti-16-medalii-de-aur/>
231. **CERTIFICATE OF AWARD** HEREBY CERTIFIES THAT BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, SINESCU Ioanel, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, CODOREAN Ion Bogdan, Mateș Ileana Mariana, BARBU Cătălin Alexandru, BĂDICĂ Petre, GAVRILIU Traian-Ștefan, University POLITEHNICA of Bucharest HAS BEEN AWARDED **SPECIAL INVENTION AWARD AND TROPHY FOR THE INVENTION/INNOVATION OF TOTAL ELBOW CONSTRAINED-ENDOPROTHESIS MADE OF ALLOYS WITH SHAPE MEMORY, WITH HINGE TYPE FIXATION AND COUPLING SYSTEM BASED ON THE EFFECTS OF SHAPE MEMORY** the 4<sup>th</sup> International Invention Innovation Competition in Canada, iCAN 2019, TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) MOONSUK CHANG-Committee Chairman, BOB HUYBRECHTS, Co-Chairman of the Jury, August 24<sup>th</sup>, 2019, Toronto Canada.

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232. **CERTIFICATE OF AWARD** HEREBY CERTIFIES THAT DEMETRIAN Alin Dragoș, SEMENESCU Augustin, CHIVU Oana-Roxana, **COSTOIU Mihnea Cosmin**, DEMETRIAN Camelia, MATEȘ Ileana Mariana, DUMITRESCU Silviu, University POLITEHNICA of Bucharest **HAS BEEN AWARDED GOLD MEDAL FOR THE INVENTION/INNOVATION OF ESO TRAHEOSCOPE** the 4<sup>th</sup> International Invention Innovation Competition in Canada, iCAN 2019, TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) MOONSUK CHANG-Committee Chairman, BOB HUYBRECHTS, Co-Chairman of the Jury, August 24<sup>th</sup>, 2019, Toronto Canada
233. **CERTIFICATE OF AWARD** HEREBY CERTIFIES THAT ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CAVALU Simona, **COSTOIU Mihnea Cosmin**, MURZAC Roman, DOICIN Irina-Elena, SĂCELEANU Vicențiu, University POLITEHNICA of Bucharest **HAS BEEN AWARDED GOLD MEDAL FOR THE INVENTION INNOVATION OF CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS** the 4<sup>th</sup> International Invention Innovation Competition in Canada, iCAN 2019, TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) MOONSUK CHANG-Committee Chairman, BOB HUYBRECHTS, Co-Chairman of the Jury, August 24<sup>th</sup>, 2019, Toronto Canada
234. **CERTIFICATE OF AWARD** HEREBY CERTIFIES THAT BATALU NICOLAE DAN, SEMENESCU AUGUSTIN, **COSTOIU MIHNEA COSMIN**, ANTONIAC VASILE IULIAN, DOICIN CRISTIAN VASILE, AMZA CATALIN GHEORGHE, MATEȘ ILEANA MARIANA, CHIVU OANA-ROXANA, CODOREAN ION BOGDAN, BARBU CĂTĂLIN-ALEXANDRU, BĂDICĂ PETRE, NEGOIȚĂ OLIVIA-DOINA, University POLITEHNICA of Bucharest HAS BEEN AWARDED **GOLD MEDAL FOR THE INVENTION/INNOVATION OF SEMICONSTRAINED TOTAL ELBOW PROTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE MEMORY EFFECT**, 4<sup>th</sup> International Invention Innovation Competition in Canada, iCAN 2019, TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) MOONSUK CHANG-Committee Chairman, BOB HUYBRECHTS, Co-Chairman of the Jury, August 24<sup>th</sup>, 2019, Toronto Canada
235. **CERTIFICATE OF AWARD** HEREBY CERTIFIES THAT DOICIN Cristian Vasile, ULMEANU Mihaela Elena, ANTONIAC Vasilea Iulian, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MITRICĂ Marian, MURZAC Roman, CHIRTEȘ Alin, DAVIȚOIU Dragoș-Virgil, Doicin Irina Elena, MATEȘ Ileana Mariana, University POLITEHNICA of Bucharest HAS BEEN AWARDED **GOLD MEDAL FOR THE INVENTION/INNOVATION OF CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM** 4<sup>th</sup> International Invention Innovation Competition in Canada, iCAN 2019, TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) MOONSUK CHANG-Committee Chairman, BOB HUYBRECHTS, Co-Chairman of the Jury, August 24<sup>th</sup>, 2019, Toronto Canada
236. **CERTIFICATE OF AWARD** HEREBY CERTIFIES THAT BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, SINESCU Ioanel, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, CODOREAN Ion Bogdan, Mateș Ileana Mariana, BARBU Cătălin Alexandru, BĂDICĂ Petre, GAVRILIU



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- Traian-Ștefan, University POLITEHNICA of Bucharest HAS BEEN AWARDED **GOLD MEDAL FOR THE INVENTION/INNOVATION OF TOTAL ELBOW CONSTRAINED-ENDOPROTHESIS MADE OF ALLOYS WITH SHAPE MEMORY, WITH HINGE TYPE FIXATION AND COUPLING SYSTEM BASED ON THE EFFECTS OF SHAPE MEMORY** the 4<sup>th</sup> International Invention Innovation Competition in Canada, iCAN 2019, TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) MOONSUK CHANG-Committee Chairman, BOB HUYBRECHTS, Co-Chairman of the Jury, August 24<sup>th</sup>, 2019, Toronto Canada.
237. **CERTIFICATE OF AWARD** HEREBY CERTIFIES THAT DAVIȚOIU Dragoș-Virgil, DOICIN Cristian-Vasile, COSTOIU Mihnea Cosmin, ULMEANU Mihaela-Elena, SEMENESCU Augustin, University POLITEHNICA of Bucharest HAS BEEN AWARDED **GOLD MEDAL FOR THE INVENTION/INNOVATION OF ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD** the 4<sup>th</sup> International Invention Innovation Competition in Canada, iCAN 2019, TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) MOONSUK CHANG-Committee Chairman, BOB HUYBRECHTS, Co-Chairman of the Jury, August 24<sup>th</sup>, 2019, Toronto Canada.
238. **CERTIFICATE OF AWARD** HEREBY CERTIFIES THAT DEMETRIAN Alin Dragoș, SEMENESCU Augustin, CHIVU Oana-Roxana, COSTOIU Mihnea Cosmin, DEMETRIAN Camelia, MATEȘ Ileana Mariana, DUMITRESCU Silviu, University POLITEHNICA of Bucharest **HAS BEEN AWARDED SILVER MEDAL FOR THE INVENTION/ INNOVATION OF ESO TRAHEOSCOPE** the 4<sup>th</sup> International Invention Innovation Competition in Canada, iCAN 2019, TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) MOONSUK CHANG-Committee Chairman, BOB HUYBRECHTS, Co-Chairman of the Jury, August 24<sup>th</sup>, 2019, Toronto Canada
239. **CERTIFICATE OF AWARD** HEREBY CERTIFIES THAT DAVIȚOIU Dragoș-Virgil, DOICIN Cristian-Vasile, COSTOIU Mihnea Cosmin, ULMEANU Mihaela-Elena, SEMENESCU Augustin, University POLITEHNICA of Bucharest HAS BEEN AWARDED **SILVER MEDAL FOR THE INVENTION/INNOVATION OF ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD** the 4<sup>th</sup> International Invention Innovation Competition in Canada, iCAN 2019, TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) MOONSUK CHANG-Committee Chairman, BOB HUYBRECHTS, Co-Chairman of the Jury, August 24<sup>th</sup>, 2019, Toronto Canada
240. ECOLE MAROCAINE DES SCIENCES DE L'INGENIEUR, HONORIS UNITED UNIVERSITIES, The Moroccan delegation of inventor and the EMSI Group, **GOLD MEDAL**, Granted to: ANTONIAC Vasile Iulian, MOHAN Aurel, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CAVALU Simona, COSTOIU Mihnea Cosmin, MURZAC Roman, DOICIN Irina-Elena, SĂCELEANU Vicențiu, MATEȘ Ileana Mariana, for the titled invention: **CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS**, iCAN 2019, TORONTO CANADA, 24/08/2019, The chief of the Moroccan delegation of inventors.
241. ECOLE MAROCAINE DES SCIENCES DE L'INGENIEUR, HONORIS UNITED UNIVERSITIES, The Moroccan delegation of inventor and the EMSI Group, **GOLD MEDAL**, Granted to: BATALU Nicolae-Dan;

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- SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; AMZA Cătălin Gheorghe; MATEȘ Ileana Mariana; CHIVU Oana-Roxana; CODOREAN Ion Bogdan; BARBU Cătălin-Alexandru; BĂDICĂ Petre; NEGOIȚĂ Olivia-Doina **SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT** for the titled invention iCAN 2019, TORONTO CANADA, 24/08/2019, The chief of the Moroccan delegation of inventors.
242. ASSOCIATION OF POLISH INVENTORS AND RATIONALIZERS, **SPECIAL AWARD, GOLD MEDAL FOR**: DOICIN Cristian Vasile; ULMEANU Mihaela Elena; ANTONIAC Vasile Iulian; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; MITRICĂ Marian; MURZAC Roman; CHIRTEȘ Alin; DAVIȚOIU Dragoș-Virgil; DOICIN Irina Elena; MATEȘ Ileana Mariana, FROM ROMANIA for the invention : **CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM** ICAN-INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA, August 2019/ Toronto, Canada, The President of SPWIR: Prof. Michal Szota.
243. ASSOCIATION OF POLISH INVENTORS AND RATIONALIZERS, **SPECIAL AWARD, GOLD MEDAL FOR** Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, SINESCU Ioanel, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, CODOREAN Ion Bogdan, MATEȘ Ileana Mariana, BARBU Cătălin Alexandru, BĂDICĂ Petre, GAVRILIU Traian-Stefan, from ROMANIA, for the invention: **TOTAL ELBOW CONSTRAINED-ENDOPROTHESIS MADE OF ALLOYS WITH SHAPE MEMORY, WITH HINGE TYPE FIXATION AND COUPLING SYSTEM BASED ON THE EFFECT OF SHAPE MEMORY** ICAN-INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA, August 2019/ Toronto, Canada, The President of SPWIR: Prof. Michal Szota.
244. **EXCELLENT INNOVATION AWARD iCAN 2019 "The Finals" TROPHY** to DOICIN Cristian Vasile, ULMEANU Mihaela Elena, ANTONIAC Vasile Iulian, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MITRICĂ Marian, MURZAC Roman, CHIRTEȘ Alin, DAVIȚOIU Dragoș-Virgil, Doicin Irina Elena, MATEȘ Ileana Mariana, University POLITEHNICA of Bucharest **FOR THE INVENTION/INNOVATION OF CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM** 4<sup>th</sup> International Invention Innovation Competition in Canada, iCAN 2019, TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) MOONSUK CHANG-Committee Chairman, BOB HUYBRECHTS, Co-Chairman of the Jury, August 24<sup>th</sup>, 2019, Toronto Canada
245. **Medalie aur** "Dunarea de Jos" University of Galati, Romania. pentru **ESO-TRAHEOSCOPE** autori: DEMETRIAN Alin-Dragoș, SEMENESCU Augustin, CHIVU Oana-Roxana, **COSTOIU Mihnea Cosmin**, DEMETRIAN Camelia, MATEȘ Ileana Mariana, DUMITRESCU Silviu
246. WARSAW INTERNATIONAL INVENTION SHOW, IWIS 2019 **PLATINUM MEDAL FOR ACETABULAR MILLING DEVICE**, M. NICULESCU, I.V. ANTONIAC, A. SEMENESCU, C.V. DOICIN, M.E. ULMEANU, **M.C. COSTOIU**, R. MURZAC, I.M. MATEȘ, D.V. DAVIȚOIU, UNIVERSITY POLITEHNICA OF BUCHAREST, MATERIALS SCIENCE AND ENGINEERING, BIOMATERIALS AND MEDICAL



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- DEVICES, President of Jury Danuta Kieljan, President of API&R Michal Szota, International WARSAW INVENTION SHOW IWIS 2019, 14-16 OCTOBER 2019 WARSAW
247. WARSAW INTERNATIONAL INVENTION SHOW, IWIS 2019 **GOLD MEDAL FOR *PROCESS AND INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX (RO132816)*** Authors –M. ARGHIRESCU, **M.C.COSTOIU**, A. SEMENESCU, V. AVRAM, M. BURADA, N.G.MILITARU, C.G. AMZA, O.R. CHIVU, UNIVERSITY POLITEHNICA OF BUCHAREST, MATERIALS SCIENCE AND ENGINEERING, BIOMATERIALS AND MEDICAL DEVICES, President of Jury Danuta Kieljan, President of API&R Michal Szota, International WARSAW INVENTION SHOW IWIS 2019, 14-16 OCTOBER 2019 WARSAW
248. WARSAW INTERNATIONAL INVENTION SHOW, IWIS 2019 **GOLD MEDAL FOR *METHOD FOR OBTAINING HYDROXYAPATITE SCAFFOLDS WITH PREDETERMINED PHYSICO-CHEMICAL CHARACTERISTICS FOR MAJOR BONE RECONSTRUCTION (RO 131943)***, Authors - F. MICULESCU, A. MAIDANIUC, **M. C. COSTOIU**, A. SEMENESCU, M. MICULESCU, F. IONITA-RADU, M. ARGHIRESCU, UNIVERSITY POLITEHNICA OF BUCHAREST, MATERIALS SCIENCE AND ENGINEERING, BIOMATERIALS AND MEDICAL DEVICES, President of Jury Danuta Kieljan, President of API&R Michal Szota, International WARSAW INVENTION SHOW IWIS 2019, 14-16 OCTOBER 2019 WARSAW
249. **MyRIS, MALAYSIAN RESEARCH & INNOVATION SOCIETY, GOLD MEDAL AND MyRIS best invention award**, is presented to M. ARGHIRESCU, **M.C.COSTOIU**, A. SEMENESCU, V. AVRAM, M. BURADA, N.G.MILITARU, C.G. AMZA, O.R. CHIVU for the invention of ***PROCESS AND INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX (RO132816)***, to the success of International Warsaw Inventor Show (IWIS 2019), Warsaw Poland, 14-16 October 2019, Datuk Professor Emeritus Dr.Kamarudin Hussin President, Malaysian Research & Innovation Society
250. **MyRIS, MALAYSIAN RESEARCH & INNOVATION SOCIETY, GOLD MEDAL AND MyRIS best invention award**, is presented to Authors -.M. NICULESCU, I.V. ANTONIAC, A. SEMENESCU, C.V. DOICIN, M.E.ULMEANU, **M.C.COSTOIU**, R.MURZAC, I.M. MATEȘ, D.V.DAVIȚOIU for the invention of ***ACETABULAR MILLING DEVICE (RO132372)***, to the success of International Warsaw Inventor Show (IWIS 2019), Warsaw Poland, 14-16 October 2019, Datuk Professor Emeritus Dr.Kamarudin Hussin President, Malaysian Research & Innovation Society
251. **CIIS GOLD MEDAL AND SPECIAL AWARD**, This is awarded to Authors -.M. NICULESCU, I.V. ANTONIAC, A. SEMENESCU, C.V. DOICIN, M.E.ULMEANU, **M.C.COSTOIU**, R.MURZAC, I.M. MATEȘ, D.V.DAVIȚOIU for ***ACETABULAR MILLING DEVICE (RO132372)***, XIII International Warsaw Invention Show "IWIS" Warsaw, Poland, Chinese Innovation and Invention Society (Taiwan), WU. CHIH-YAO, Chairman of CIIS, 16 Oct 2019.
252. **CIIS GOLD MEDAL AND SPECIAL AWARD**, This is awarded to –M. ARGHIRESCU, **M.C.COSTOIU**, A. SEMENESCU, V. AVRAM, M. BURADA, N.G.MILITARU, C.G. AMZA, O.R. CHIVU for ***PROCESS AND***

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- INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX (RO132816)**, XIII International Warsaw Invention Show "IWIS" Warsaw, Poland, Chinese Innovation and Invention Society (Taiwan), WU. CHIH-YAO, Chairman of CIIS, 16 Oct 2019.
253. CIIS GOLD MEDAL AND SPECIAL AWARD, This is awarded to — F. MICULESCU, A. MAIDANIUC, **M. C. COSTOIU**, A. SEMENESCU, M. MICULESCU, F. IONITA-RADU, M. ARGHIRESCU for **METHOD FOR OBTAINING HYDROXYAPATITE SCAFFOLDS WITH PREDETERMINED PHYSICO-CHEMICAL CHARACTERISTICS FOR MAJOR BONE RECONSTRUCTION (RO 131943)**, XIII International Warsaw Invention Show "IWIS" Warsaw, Poland, Chinese Innovation and Invention Society (Taiwan), WU. CHIH-YAO, Chairman of CIIS, 16 Oct 2019.
254. 44<sup>th</sup> INTERNATIONAL INVENTION SHOW, INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION. **SILVER MEDAL and DIPLOMA** for DEMETRIAN ALIN DRAGOS, DEMETRIAN CAMELIA, **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, CHIVU OANA ROXANA, MATEȘ ILEANA MARIANA, University Politehnica of Bucharest, Romania, **FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE**, Zagreb, Croatia, November 13-16, 2019. President of the International Jury: Andrej Sacrinjar, dipl.ing, Croatian Inventors Network Ljiljana Pedisic mag.ing.cheming.
255. 44<sup>th</sup> INTERNATIONAL INVENTION SHOW, INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION. **SILVER MEDAL and DIPLOMA** for ARGHIRESCU MARIUS, **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, AVRAM VASILE, BURADA MARIAN, MILITARU NICOLAE GHEORGHE, AMZA CATALIN GHEORGHE, CHIVU OANA ROXANA, University Politehnica of Bucharest, Romania, PROCESS AND INSTALLATION FOR **ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX**, Zagreb, Croatia, November 13-16, 2019. President of the International Jury: Andrej Sacrinjar, dipl.ing, Croatian Inventors Network Ljiljana Pedisic mag.ing.cheming.
256. 44<sup>th</sup> INTERNATIONAL INVENTION SHOW, INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION. **GOLD MEDAL and DIPLOMA** for MOGA MARIUS, SEMENESCU AUGUSTIN, **COSTOIU MIHNEA COSMIN**, MATEȘ ILEANA MARIANA, CĂLIN CEZAR IONUȚ, AMZA CĂTĂLIN GHEORGHE, University Politehnica of Bucharest, ROMANIA, **SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS**, Zagreb, Croatia, November 13-16, 2019. President of the International Jury: Andrej Sacrinjar, dipl.ing, Croatian Inventors Network Ljiljana Pedisic mag.ing.cheming.
257. 44<sup>th</sup> INTERNATIONAL INVENTION SHOW, INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION. **GOLD MEDAL and DIPLOMA** for NICULESCU MARIUS, ANTONIAC VASILE IULIAN, SEMENESCU AUGUSTIN, DOICIN CRISTIAN VASILE, ULMEANU MIHAELA, **COSTOIU MIHNEA COSMIN**, MURZAC ROMAN, MATEȘ ILEANA MARIANA, DAVIȚOIU DRAGOȘ VIRGIL, University Politehnica of Bucharest, **ACETABULAR MILLING DEVICE**, Zagreb,



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- Croatia, November 13-16, 2019. President of the International Jury: Andrej Sacrinjar, dipl.ing, Croatian Inventors Network Ljiljana Pedisic mag.ing.cheming.
258. 44<sup>th</sup> INTERNATIONAL INVENTION SHOW, INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION. **GOLD MEDAL and DIPLOMA** for MICULESCU FLORIN, MAIDANIUC ANDREEA, **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, MICULESCU MARIAN, IONIȚĂ-RADU FLORENTINA, ARGHIRESCU MARIUS, University Politehnica of Bucharest, Romania, **PROCESS FOR PREPARING A HYDROXYAPATITE-BASED SCAFFOLD-TYPE PRODUCT WITH PRESET PHYSICAL AND CHEMICAL PROPERTIES, FOR RECONSTRUCTION OF MAJOR BONE DEFECTS** Zagreb, Croatia, November 13-16, 2019. President of the International Jury: Andrej Sacrinjar, dipl.ing, Croatian Inventors Network Ljiljana Pedisic mag.ing.cheming.
259. Croatia Inova, 44<sup>th</sup> INTERNATIONAL INVENTION SHOW, November 13-16, 2019. Zagreb, Croatia, **BEST SCIENCE INVENTION CROATIAN INVENTORS NETWORK**, President Ljiljana, mag.ing.cheming, for NICULESCU MARIUS, ANTONIAC VASILE IULIAN, SEMENESCU AUGUSTIN, DOICIN CRISTIAN VASILE, ULMEANU MIHAELA, **COSTOIU MIHNEA COSMIN**, MURZAC ROMAN, MATEȘ ILEANA MARIANA, DAVIȚOIU DRAGOȘ VIRGIL, University Politehnica of Bucharest, **ACETABULAR MILLING DEVICE**.
260. TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION AND ADVANCED SKILLS, **SPECIAL HONOUR OF INVENTION** is hereby presented to DEMETRIAN ALIN DRAGOS, DEMETRIAN CAMELIA, **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, CHIVU OANA ROXANA, MATEȘ ILEANA MARIANA, for an outstanding exhibition of the invention entitled: **FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE**, The 44<sup>th</sup> International Invention Show, Inova 2019, 13-16 November 2019 at Zagreb, Croatia, Moonsuk CHANG Chairman and Chief Exhibition Officer, TISIAS-Toronto, Canada. Bob HUYBRECHTS, RDT Co-Chairman of the Jury, iCan-Toronto, Canada.
261. TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION AND ADVANCED SKILLS, **SPECIAL HONOUR OF INVENTION** is hereby presented to ARGHIRESCU MARIUS, **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, AVRAM VASILE, BURADA MARIAN, MILITARU NICOLAE GHEORGHE, AMZA CATALIN GHEORGHE, CHIVU OANA ROXANA, for an outstanding exhibition of the invention entitled **PROCESS AND INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX**, The 44<sup>th</sup> International Invention Show, Inova 2019, 13-16 November 2019 at Zagreb, Croatia, Moonsuk CHANG Chairman and Chief Exhibition Officer, TISIAS-Toronto, Canada. Bob HUYBRECHTS, RDT Co-Chairman of the Jury, iCan-Toronto, Canada.
262. TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION AND ADVANCED SKILLS, **SPECIAL HONOUR OF INVENTION** is hereby presented to MOGA MARIUS, SEMENESCU AUGUSTIN, **COSTOIU MIHNEA COSMIN**, MATEȘ ILEANA MARIANA, CĂLIN CEZAR IONUȚ, AMZA CĂTĂLIN GHEORGHE, University Politehnica of Bucharest, ROMANIA, for an outstanding exhibition of the invention entitled **SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS**; The 44<sup>th</sup> International Invention Show, Inova 2019, 13-16 November 2019 at Zagreb, Croatia, Moonsuk CHANG Chairman and

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- Chief Exhibition Officer, TISIAS-Toronto, Canada. Bob HUYBRECHTS, RDT Co-Chairman of the Jury, iCan-Toronto, Canada.
263. TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION AND ADVANCED SKILLS, **SPECIAL HONOUR OF INVENTION** is hereby presented to NICULESCU MARIUS, ANTONIAC VASILE IULIAN, SEMENESCU AUGUSTIN, DOICIN CRISTIAN VASILE, ULMEANU MIHAELA ELENA, **COSTOIU MIHNEA COSMIN**, MURZAC ROMAN, MATEȘ ILEANA MARIANA, DAVIȚOIU DRAGOȘ VIRGIL, University Politehnica of Bucharest, Romania, for an outstanding exhibition of the invention entitled **ACETABULAR MILLING DEVICE**; The 44<sup>th</sup> International Invention Show, Inova 2019, 13-16 November 2019 at Zagreb, Croatia, Moonsuk CHANG Chairman and Chief Exhibition Officer, TISIAS-Toronto, Canada. Bob HUYBRECHTS, RDT Co-Chairman of the Jury, iCan-Toronto, Canada.
264. TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION AND ADVANCED SKILLS, **SPECIAL HONOUR OF INVENTION** is hereby presented to MICULESCU FLORIN, MAIDANIUC ANDREEA, **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, MICULESCU MARIAN, IONIȚĂ-RADU FLORENTINA, ARGHIRESCU MARIUS, University Politehnica of Bucharest, Romania, for an outstanding exhibition of the invention entitled; **PROCESS FOR PREPARING A HYDROXYAPATITE-BASED SCAFFOLD-TYPE PRODUCT WITH PRESET PHYSICAL AND CHEMICAL PROPERTIES, FOR RECONSTRUCTION OF MAJOR BONE DEFECTS**, The 44<sup>th</sup> International Invention Show, Inova 2019, 13-16 November 2019 at Zagreb, Croatia, Moonsuk CHANG Chairman and Chief Exhibition Officer, TISIAS-Toronto, Canada. Bob HUYBRECHTS, RDT Co-Chairman of the Jury, iCan-Toronto, Canada.
265. **DIPLOMA**, AWARDED TO: DEMETRIAN ALIN DRAGOS, DEMETRIAN CAMELIA, **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, CHIVU OANA ROXANA, MATEȘ ILEANA MARIANA, University Politehnica of Bucharest, Romania, for the invention **FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE** on the occasion of INOVA-BUDI UZOR 2019, HALLER pro invention Foundation, Croatia
266. **DIPLOMA**, AWARDED TO ARGHIRESCU MARIUS, **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, AVRAM VASILE, BURADA MARIAN, MILITARU NICOLAE GHEORGHE, AMZA CATALIN GHEORGHE, CHIVU OANA ROXANA, University Politehnica of Bucharest, Romania, for the invention **PROCESS AND INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX** on the occasion of INOVA-BUDI UZOR 2019, HALLER pro invention Foundation, Croatia
267. **NU SPECIAL AWARD** IS PRESENTED BY NORTON UNIVERSITY TO DEMETRIAN ALIN DRAGOS, DEMETRIAN CAMELIA, **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, CHIVU OANA ROXANA, MATEȘ ILEANA MARIANA, University Politehnica of Bucharest, Romania for the project entitled **FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE** THE INTERNATIONAL INVENTION SHOW INOVA 2019, 44<sup>th</sup> International Invention Show, budi uzor, Zagreb, Croatia, November 12-17 2019, Zagreb Fair.
268. **NU SPECIAL AWARD** IS PRESENTED BY NORTON UNIVERSITY TO ARGHIRESCU MARIUS, **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, AVRAM VASILE, BURADA MARIAN,



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- MILITARU NICOLAE GHEORGHE, AMZA CATALIN GHEORGHE, CHIVU OANA ROXANA, University Politehnica of Bucharest, Romania for the project entitled **PROCESS AND INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX**, AT THE INTERNATIONAL INVENTION SHOW INOVA 2019, 44<sup>th</sup> International Invention Show, budi uzor, Zagreb, Croatia, November 12-17 2019, Zagreb Fair, Dr. UNG VANNTHOEUN, Vice Rector of Norton University.
269. **NU SPECIAL AWARD** IS PRESENTED BY NORTON UNIVERSITY TO MOGA MARIUS, SEMENESCU AUGUSTIN, **COSTOIU MIHNEA COSMIN**, MATEȘ ILEANA MARIANA, CĂLIN CEZAR IONUȚ, AMZA CĂTĂLIN GHEORGHE, University Politehnica of Bucharest, ROMANIA, for the project entitled **SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS** AT THE INTERNATIONAL INVENTION SHOW INOVA 2019, 44<sup>th</sup> International Invention Show, budi uzor, Zagreb, Croatia, November 12-17 2019, Zagreb Fair, Dr. UNG VANNTHOEUN, Vice Rector of Norton University.
270. **NU SPECIAL AWARD** IS PRESENTED BY NORTON UNIVERSITY TO NICULESCU MARIUS, ANTONIAC VASILE IULIAN, SEMENESCU AUGUSTIN, DOICIN CRISTIAN VASILE, ULMEANU MIHAELA ELENA, **COSTOIU MIHNEA COSMIN**, MURZAC ROMAN, MATEȘ ILEANA MARIANA, DAVIȚOIU DRAGOȘ VIRGIL, University Politehnica of Bucharest, Romania, for the project entitled **ACETABULAR MILLING DEVICE** AT THE INTERNATIONAL INVENTION SHOW INOVA 2019, 44<sup>th</sup> International Invention Show, budi uzor, Zagreb, Croatia, November 12-17 2019, Zagreb Fair, Dr. UNG VANNTHOEUN, Vice Rector of Norton University.
271. **NU SPECIAL AWARD** IS PRESENTED BY NORTON UNIVERSITY TO MICULESCU FLORIN, MAIDANIUC ANDREEA, **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, MICULESCU MARIAN, IONIȚĂ-RADU FLORENTINA, ARGHIRESCU MARIUS, University Politehnica of Bucharest, Romania for the project entitled **PROCESS FOR PREPARING A HYDROXYAPATITE-BASED SCAFFOLD-TYPE PRODUCT WITH PRESET PHYSICAL AND CHEMICAL PROPERTIES, FOR RECONSTRUCTION OF MAJOR BONE DEFECTS**, AT THE INTERNATIONAL INVENTION SHOW INOVA 2019, 44<sup>th</sup> International Invention Show, budi uzor, Zagreb, Croatia, November 12-17 2019, Zagreb Fair, Dr. UNG VANNTHOEUN, Vice Rector of Norton University.
272. **WIIPA SPECIAL AWARD** Presented to: NICULESCU MARIUS, ANTONIAC VASILE IULIAN, SEMENESCU AUGUSTIN, DOICIN CRISTIAN VASILE, ULMEANU MIHAELA ELENA, **COSTOIU MIHNEA COSMIN**, MURZAC ROMAN, MATEȘ ILEANA MARIANA, DAVIȚOIU DRAGOȘ VIRGIL, University Politehnica of Bucharest, Romania, In recognition of: **ACETABULAR MILLING DEVICE** exhibited at Croatia International Invention Show, Inova 13-16 Nov.2019, Zagreb Fair, Croatia, President; Manli Hsieh, World Invention Intellectual Property Associations.
273. **WIIPA SPECIAL AWARD** Presented to: MOGA MARIUS, SEMENESCU AUGUSTIN, **COSTOIU MIHNEA COSMIN**, MATEȘ ILEANA MARIANA, CĂLIN CEZAR IONUȚ, AMZA CĂTĂLIN GHEORGHE, University Politehnica of Bucharest, ROMANIA, In recognition of: **SHORT FEMORAL STEM CERVICAL**

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- ENDOPROTHESIS**, exhibited at Croatia International Invention Show, Inova 13-16 Nov.2019, Zagreb Fair, Croatia, President; Manli Hsieh, World Invention Intellectual Property Associations.
274. **DIPLOMA**, to: DEMETRIAN ALIN DRAGOS, DEMETRIAN CAMELIA, **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, CHIVU OANA ROXANA, MATEȘ ILEANA MARIANA, University Politehnica of Bucharest, Romania, for **FULL RECYCLABLE SYSTEM FOR THORACIC DRAINAGE** 44<sup>th</sup> International Invention Show INOVA Zagreb 13-16 November 2019, JSC NIIAS, a subsidiary of JSK Russian Railways, General Director JSC NIIAS I.N Rozenberg.
275. Highly Innovative Unique Foundation (HIUF) in the Kingdom of Saudi Arabia Presented **Special Award** to: MOGA MARIUS, SEMENESCU AUGUSTIN, **COSTOIU MIHNEA COSMIN**, MATEȘ ILEANA MARIANA, CĂLIN CEZAR IONUȚ, AMZA CĂTĂLIN GHEORGHE, University Politehnica of Bucharest, ROMANIA for: **SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS** Awarded at The 44<sup>th</sup> International Invention Show (INOVA 2019) IN Zagreb Croatia. President of Hiuf Prof. Dr. Najia A. Alzanbagi
276. National Institute for Laser, Plasma and Radiation Physics Romania, **GOLD MEDAL AND DIPLOMA FOR INVENTION**, is awarded to: N.D. BATALU, A. SEMENESCU, **M. COSTOIU**, C. DOICIN, C. AMZA, I. MATEȘ, O. CHIVU, I. CODOREAN, C. BARBU, P. BĂDICĂ, O. NEGOIȚĂ, for **TOTAL CONSTRICTED ELBOW PROTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION ANF COUPLING SYSTEM BASED ON SHAPE MEMORY EFFECT**, for achieving excellency in innovation through dedication and the consistent wish to push the borderd of what can be obtained through sciene and technology, Head of Laser Department, INFLPR Dr. Gabriel Socol, EIS INFOINVENT-2019 CHIȘINĂU.
277. National Institute for Laser, Plasma and Radiation Physics Romania, **DIPLOMA OF EXCELLENCE FOR INVENTION IS AWARDED TO** N. BATALU, A. SEMENESCU, **M. COSTOIU**, I. SINESCU, V. ANTONIAC, C. DOICIN, I. CODOREAN, I. MATEȘ, C. BARBU, P. BĂDICĂ, T. GAVRILIU, FOR **TOTAL SEMI-CONSTRICTED ELBOW PROTHESIS MADE OF SHAPE-MEMORY EFFECT WITH HINGE LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE MEMORY EFFECT**, UPB, for achieving excellency in innovation through dedication and the consistent wish to push the borderd of what can be obtained through sciene and technology, Head of Laser Department, INFLPR Dr. Gabriel Socol, EIS INFOINVENT-2019 CHIȘINĂU.
278. INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU MAȘINI ȘI INSTALAȚII DESTINATE AGRICULTURII ȘI INDUSTRIEI ALIMENTARE –INMA București-, Bd. Ion Ionescu de la Brad, nr 6, Sector 1, AGEPI-AGENȚIA DE STAT PENTRU PROPRIETATEA INTELLECTUALĂ A REPUBLICII MOLDOVA, INFOINVENT 2019 **DIPLOMĂ DE EXCELENȚĂ**, pentru: **TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379**, BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN



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- Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina Director General Dr.ing. Nicolae-Valenti VLĂDUȚ.
279. Iustin Capră ASSOCIATION OF INVENTIONS, **CERTIFICATE OF EXCELLENCE** IS HEREBY AWARDED to: BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina for: **TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379**, President: Marian VELCEA, PH.D.
280. University of AGRONOMIC SCIENCES AND VETERINARY MEDICINE OF BUCHAREST, **EXCELLENCE AWARD AND GOLD MEDAL**. Is awarded to: BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan for: **TOTAL CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131261** The International Specialized Exhibition INFOINVENT 2019, Chișinău, Republic of Moldova, Date: 23.11.2019, Rector: Prof. Phd Sorin Mihai CÎMPEANU.
281. University of AGRONOMIC SCIENCES AND VETERINARY MEDICINE OF BUCHAREST, **EXCELLENCE AWARD AND GOLD MEDAL**. Is awarded to: BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina for **TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379**
282. Universitatea Tehnică a Moldovei, MEDALIA DE AUR decernată: BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan pentru: **TOTAL CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131261** în cadrul Expoziției Internaționale Specializate INFOINVENT 20-23 noiembrie 2019, Chișinău, Prof.univ.dr.hab. Viorel Bostan: Rector Universitatea Tehnică a Moldovei.
283. Universitatea Tehnică a Moldovei, MEDALIA DE AUR decernată: **TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379** pentru: BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina în cadrul Expoziției Internaționale

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- Specializate INFOINVENT 20-23 noiembrie 2019, Chişinău, Prof.univ.dr.hab. Viorel Bostan: Rector Universitatea Tehnică a Moldovei.
284. INSTITUTUL NAȚIONAL DE CERCETARE DEZVOLTARE PENTRU MECATRONICĂ ȘI TEHNICA MĂSURĂRII-București, CLUSTER STRATEGIC INOVATIV PENTRU DOMENIUL SPECIALIZAT INTELIGENT MECATRONICĂ-MECHATREC, Expoziția Internațională Specializată INFOINVENT, **DIPLOMA DE EXCELENȚĂ ȘI TROFEUL GROUP MECHATRON**, se acordă: NICOLAE DAN BATALU, AUGUSTIN SEMENESCU, **MIHNEA COSMIN COSTOIU** ȘI ALȚII-UPB(RO) pentru: **PROTEZĂ TOTALĂ DE COT CONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU FIXARE DE TIP BALAMA ȘI SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI**, cu ocazia A 16-a Ediție a Expoziției Internaționale Specializată INFOINVENT, Chişinău-Republica Moldova, 20-23 noiembrie 2019, presedinte C.A. & DIRECTOR GENERAL INCDMTM București: Prof.Univ.Dr.Ing. Euring. D.h.c. Gh. Ion Gheorghe.
285. EXPOZIȚIA INTERNAȚIONALĂ SPECIALIZATĂ INFOINVENT Ediția XVI-a **DIPLOMĂ MEDALIA DE AUR** se acordă: BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan pentru **TOTAL CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131261**, 20-23 noiembrie 2019, Republica Moldova Chişinău.
286. EXPOZIȚIA INTERNAȚIONALĂ SPECIALIZATĂ INFOINVENT Ediția XVI-a **DIPLOMĂ MEDALIA DE AUR** se acordă BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina pentru **TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379**, 20-23 noiembrie 2019, Republica Moldova Chişinău.
287. KUIA-Special Award, award to: BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina in honor of the highest standard of excellence presented the valuable invention entitled: **TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379** has participated in: International Specialized Exhibition INFOINVENT a Forum on Intellectual property, Creativity and Innovation, 20-23 November 2019, Chişinău, Republic of Moldova, Korea University Invention Association, President: Lee Ju Hyung
288. KUIA-Special Award, award to: BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan;



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- MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan in honor of the highest standard of excellence presented the valuable invention entitled: **TOTAL CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131261** has participated in: International Specialized Exhibition INFOINVENT a Forum on Intellectual property, Creativity and Innovation, 20-23 November 2019, Chișinău, Republic of Moldova, Korea University Invention Association, President: Lee Ju Hyun
289. REPUBLICA PORTUGUESA, ASSOCIATION OF EUROPEAN INVENTORS, APPICIS, INVENTARIUM SCIENCE, **CERTIFICATE**, IT CERTIFIES THE PRESENT, TO CONFIRM OFFICIAL INTERNATIONAL MERIT CERTIFICATE FOR CONTRIBUTION TO INNOVATION AND EXCELENT COOPERATION IT CERTIFIES THAT IS GRANTED TO: BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan FOR THE BRILLIANT INVENTION PRESENTED: **TOTAL CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131261** FROM: ROMANIA FOR ALL THE ABNEGATED SHARE COOPERATION AND SPARKLING OPEN MIND, PROMOTING INNOVATION AND CREATIVITY IN THE INVENTIVE SIRT OF PROGRESS, November 22, 2019, in Chisinau, during INFOINVENT-MOLDOVA INTERNATIONAL TRADE FAIR, 2019, It was conferred the present official Distinction, President of Inventarium-Science-Serbia: Djordje Petrusic, President of Global Inventarium Science: Fernando Lopes, President of Inventarium-Science-Bosnia Banja Luka
290. REPUBLICA PORTUGUESA, ASSOCIATION OF EUROPEAN INVENTORS, APPICIS, INVENTARIUM SCIENCE, **CERTIFICATE**, IT CERTIFIES THE PRESENT, TO CONFIRM OFFICIAL INTERNATIONAL MERIT CERTIFICATE FOR CONTRIBUTION TO INNOVATION AND BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina FOR THE BRILLIANT INVENTION PRESENTED: **TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379** FROM: ROMANIA FOR ALL THE ABNEGATED SHARE COOPERATION AND SPARKLING OPEN MIND, PROMOTING INNOVATION AND CREATIVITY IN THE INVENTIVE SIRT OF PROGRESS, November 22, 2019, in Chisinau, during INFOINVENT-MOLDOVA INTERNATIONAL TRADE FAIR, 2019, It was conferred the present official Distinction, President of Inventarium-Science-Serbia: Djordje Petrusic, President of Global Inventarium Science: Fernando Lopes, President of Inventarium-Science-Bosnia Banja Luk
291. UNIVERSITATEA DE STAT DE MEDICINĂ ȘI FARMACIE NICOLAE TESTEMIȚANU DIN REPUBLICA MOLDOVA, **DIPLOMĂ DE EXCELENȚĂ CU MENȚIUNE**, Se acordă: BATALU Nicolae-Dan;

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- SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan pentru: **TOTAL CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131261** EIS INFOINVENT 2019, 20-23 Noiembrie 2019, Chișinău, Republica Moldova, Rector: profesor universitar, dr.hab.șt.med Emil Ceban, prorector pentru activitate de cercetare: profesor universitar, dr.hab.șt.med academician al ASM Stanislav Groppa.
292. UNIVERSITATEA DE STAT DE MEDICINĂ ȘI FARMACIE NICOLAE TESTEMIȚANU DIN REPUBLICA MOLDOVA, **DIPLOMĂ DE EXCELENȚĂ CU MEDALIE**, Se acordă: BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina pentru: **TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379** EIS INFOINVENT 2019, 20-23 Noiembrie 2019, Chișinău, Republica Moldova, Rector: profesor universitar, dr.hab.șt.med Emil Ceban, prorector pentru activitate de cercetare: profesor universitar, dr.hab.șt.med academician al ASM Stanislav Groppa.
293. Asociația Română de Pteridologie, INNOVATION AWARD, is awarded to: BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan, for: **TOTAL CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131261**, The International Specialized Exhibition INFOINVENT 2019, Chișinău, Republic of Moldova, 23.11.2019, President: Assoc.Prof. Cristina Liliana Soare
294. PRO INVENT-CLUJ-NAPOCA, **DIPLOMĂ DE EXCELENȚĂ ȘI MEDALIA PROINVENT**, Se acordă: BATALU Nicolae-Dan; SEMENESCU Augustin; **COSTOIU Mihnea Cosmin**; SINESCU Ioanel; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; CODOREAN Ion Bogdan; MATEȘ Ileana Mariana; BARBU Cătălin-Alexandru; BĂDICĂ Petre; GAVRILIU Traian-Ștefan, De la: Universitatea Politehnica București, Pentru: **TOTAL CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131261**, INFOINVENT EXPOZIȚIA Internațională Specializată, Ediția a XVI-a, 20-23 Noiembrie 2019, Președintele Salonului: Prof.Dr.ing. Vasile ȚOPA, Rector al Universității Tehnice din Cluj Napoca, Președintele juriului: Prof.dr.ing Radu MUNTEANU.
295. PRO INVENT-CLUJ-NAPOCA, **DIPLOMĂ DE EXCELENȚĂ ȘI MEDALIA PROINVENT**, Se acordă: BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, De la:



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- Universitatea Politehnica București, Pentru: **TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379**., INFOINVENT EXPOZIȚIA Internațională Specializată, Ediția a XVI-a, 20-23 Noiembrie 2019, Președintele Salonului: Prof.Dr.ing. Vasile ȚOPA, Rector al Universității Tehnice din Cluj Napoca, Președintele juriului: Prof.dr.ing Radu MUNTEANU.
- 296.ICECHIM- The National Institute for Research & Development in Chemistry and Petrochemistry, **ICECHIM-Innovation Award IS AWARDED TO: BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, FOR: TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379** , The International Specialized Exhibition Infoinvent 2019, Chișinău, Republic of Moldova, General Manager: Dr.biochem. Mihaela DONI, 23.11.2019
- 297.XVI th Edition INFOINVENT-International Specialized The Exhibition November 20-23, 2019, Chisinau Moldova, Banat's University of Agricultural Sciences and Veterinary Medicine, "King Michael I of Romania" from Timisoara, EXCELLENCE DIPLOMA, for work: **TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379** , Authors: BATALU Nicolae-Dan, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, Rector: Prof.dr.ing. COSMIN ALIN POPESCU, Vicerector for research-innovation Prof.dr. Isidora RADULOV.

## 2020

- 298 SALONUL INTERNATIONAL AL CERCETĂRII ȘTIINȚIFICE, INOVĂRII ȘI INVENTICII-PRO INVENT EDIȚIA XVIII, 18-20 NOIEMBRIE 2020, CLUJ NAPOCA, **DIPLOMĂ DE EXCELENȚĂ ȘI MEDALIA DE AUR**, Se acordă:**COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, DOICIN Vasile Cristian, DOICIN Ioana Cristina, MATEȘ Ileana Mariana, de la UNIVERSITATEA POLITEHNICA BUCUREȘTI, Pentru: **DISPOZITIV ORTOPEDIC DE CORECTARE A DEFECTULUI TALIPES**

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- CALCANEUS/TALIPES CALCANEOVALGUS**, Președintele salonului Prof.dr.ing Vasile ȚOPA, Președintele juriului, Prof.Dr.Ing Radu MUNTEANU
- 299 100 UP-Universitatea Politehnica Timișoara, 2020, **SPECIAL AWARD FOR THE INVENTION: ORTHOPEDIC DEVICE FOR CORRECTION OF THE TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT** Authors: COSTOIU Mihnea Cosmin, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CÎRSTOIU Cătălin, DOICIN Ioana Cristina, MATEȘ Ileana Mariana, Lucrare brevetată sau în curs de brevetare (nr./data):RO 133750 / 2019-12-30 Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, ediția a XVIII-a, 18-20 noiembrie 2020, Rector Assoc.Prof.Eng.Florin DRĂGAN, PhD.
- 300 ICECHIM-The National Institute for Research and Development in Chemistry and Petrochemistry, **Excellence Award and GOLD MEDAL**, is awarded to: COSTOIU Mihnea Cosmin, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CÎRSTOIU Cătălin, DOICIN Ioana Cristina, MATEȘ Ileana Mariana for : **ORTHOPEDIC DEVICE FOR CORRECTION OF THE TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT**, 18th Edition of the International Exhibition of Research, Innovation and Inventions, PRO INVENT, 18-20 November 2020, General Manager: Dr.biocehm Mihaela DONI
- 301 INOVA Croatia Special Edition, Zgreb CROATIA 2020, HRVATSKI SALON INOVACIJA S MEDUNARODNIM SUDJELOVANJEM INTERNATIONAL INVENTION SHOW, **GOLD COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, DOICIN Cristian, ULMEANU Mihaela, CÎRSTOIU Cătălin, DOICIN Ioana, MATEȘ Ileana, University Politehnica of Bucharest, Romania, **ORTHOPEDIC DEVICE FOR CORRECTION OF THE TALIPES CALCANEUS/TALIPES CALCANEOVALGUS DEFECT**. Croatian Inventors Network, Director Neven Markovik, President: Ljiljana Pedisic.
- 302 INOVA Croatia Special Edition, Zgreb CROATIA 2020, HRVATSKI SALON INOVACIJA S MEDUNARODNIM SUDJELOVANJEM INTERNATIONAL INVENTION SHOW, PLATINUM AWARD, COSTOIU Mihnea Cosmin, SEMENESCU Augustin, DOICIN Cristian, ULMEANU Mihaela, CÎRSTOIU Cătălin, DOICIN Ioana, MATEȘ Ileana, University Politehnica of Bucharest, Romania, **ORTHOPEDIC DEVICE FOR CORRECTION OF THE TALIPES CALCANEUS/TALIPES CALCANEOVALGUS DEFECT**. Croatian Inventors Network, Director Neven Markovik, President: Ljiljana Pedisic.
- 303 SALONUL INTERNAȚIONAL DE INVENȚII, INOVAȚII TRAIAN VUIA, TIMIȘOARA, **DIPLOMĂ SE ACRODĂ MEDALIA DE AUR** pentru invenția **DISPOZITIV ORTOPEDIC DE CORECTARE A DEFECTULUI TALIPES CALCANEUS/TALIPES CALCANEOVALGUS**, autori:COSTOIU Mihnea Cosmin, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CÎRSTOIU Cătălin, DOICIN Ioana Cristina, MATEȘ Ileana Mariana, instituția Universitatea Politehnica București, Președintele juriului Camelia Marinescu, Președinte Salon: Remi RĂDULESCU, 15 Octombrie 2020.
- 304 100 Up-Universitatea Politehnica Timișoara 2020, **SPECIAL AWARD FOR THE INVENTION: DISPOZITIV ORTOPEDIC DE CORECTARE A DEFECTULUI TALIPES CALCANEUS/TALIPES**



## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

- CALCNEOVALGUS**, autori: **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CÎRSTOIU Cătălin, DOICIN Ioana Cristina, MATEȘ Ileana Mariana\_On the occasion of the INTERNATIONAL EXHIBITION OF INVENTIONS AND INNOVATIONS TRAIAN VUIA TIMISOARA, 6th Edition, Timisoara-Romania, 13-15 October 2020, online, rector Assoc.Prof.Eng.Florin DRĂGAN, PhD.
- 305 ICECHIM-The National Institute for Research & Development in Chemistry and Petrochemistry ICECHIM-INNOVATION AWARD, IS AWARDED TO: **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CÎRSTOIU Cătălin, DOICIN Ioana Cristina, MATEȘ Ileana Mariana FOR: : **DISPOZITIV ORTOPEDIC DE CORECTARE A DEFECTULUI TALIPES CALCANEUS/TALIPES CALCNEOVALGUS**, INTERNATIONAL EXHIBITION OF INVENTIONS AND INNOVATIONS TRAIAN VUIA TIMIȘOARA, Vith edition, 13-15 October 2020, General Manager: Dr. biochim Mihaela DONI.
- 306 UNIVERSITATEA POLITEHNICA TIMISOARA 2020, **Special Award** for the invention **DISPOZITIV ORTOPEDIC DE CORECTARE A DEFECTULUI TALIPES CALCANEUS / TALIPES CALCANEUS VALGUS, Nr 133750/2019-12-30**, Autori **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, DOICIN Vasile Cristian, ULMEANU Mihaela Elena, CÎRSTOIU Cătălin, DOICIN Ioana Cristina, MATEȘ Ileana Mariana, on the occasion of the INTERNATIONAL EXHIBITION OF INVENTIONS AND INNOVATIONS TRAIAN VUIA TIMISOARA, 13-15 October 2020, online, Timisoara October 2020, Rector, Assoc.Prof.Eng. Florin DRĂGAN, PhD.
- 307 ICECHIM-The National Institute for Research & Development in Chemistry and Petrochemistry- **EXCELLENCE AWARD AND GOLD MEDAL IS AWARDED TO Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana for **Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCNEOVALGUS DEFECT-- RO 133750 / 2019-12-30 A00493/2019**, 24th International Exhibition of Inventics, Online Edition 29-31 July 2020, 31.07.2020, General Manager, Dr. Biochem. Mihaela DONT
- 308 **DIPLOMA OF EXCELENCE - Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana for **Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCNEOVALGUS DEFECT-- RO 133750 / 2019-12-30**, ROMANIAN INVENTORS FORUM (www.afir.org.ro), EUROINVENT (www.euroinvent.org), President, Assoc.Prof.Eng.PhD. Andrei Victor SANDU, 24th International Exhibition of Inventics, Online Edition 29-31 July 2020, 31.07.2020
- 309 **Diploma-Gheorghe Asachi Technical University Prize**, offered to **Universitatea Politehnica Bucuresti** in recognition of high scientific contribution and loyalty to the XXIV-th International Exhibition of Inventics, Inventica 2020, Iasi Romania, 29-31 July 2020, General Manager National Institute Of Inventics Prof. Neculai SEGHEDEAN Phd.

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- 310 **Diploma of Honor- Medal Inventica 2020**, offered to Costoiu Mihnea Cosmin, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateş Ileana Mariana University Politehnica Bucharest for **Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT - RO 133750 / 2019-12-30** in recognition of high scientific contribution and loyalty to the XXIV-th International Exhibition of Inventics, Inventica 2020, Iasi Romania, 29-31 July 2020, General Manager National Institute Of Inventics Prof. Neculai SEGHEDEIN Phd.
- 311 University of Craiova **GOLD MEDAL & DIPLOMA OF EXCELLENCE**, Granted to Costoiu Mihnea Cosmin, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateş Ileana Mariana as a sign of appreciation for the innovative spirit affirmed in the field of scientific research materialized in the realization of the invention: Orthopedic device for correction of the **TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT - RO 133750 / 2019-12-30**, on occasion of the 24th International Exhibition of Inventics, Inventica 2020, Iasi, Romania, Rector: Phd. Cezar Ionut Spînu.
- 312 University of Craiova **INNOVATION AWARD & DIPLOMA OF EXCELLENCE** granted to- **University Politehnica of Bucharest ((RO 133750, RO A00493, US Patent Appl. 38170047, RO A00725, RO A00726, RO A 000330, RO A 000330)**, as a sign of respect and appreciation of the creativity, innovative spirit and excellency in the field of scientific research, on occasion of the 24th International Exhibition of Inventics, Inventica 2020, Iasi, Romania, Rector: Phd. Cezar Ionut Spînu.
- 313 **Diploma of Excellence and Gold Medal** awarded by the Technical University of Cluj-Napoca Romania to: Costoiu Mihnea Cosmin, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateş Ileana Mariana From: University Politehnica of Bucharest, for: **Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT - RO 133750 / 2019-12-30**, the 24th INTERNATIONAL EXHIBITION OF INVENTIONS, INVENTICA 2020, Iasi 29-31 July, Rector Prof. Dr. Eng. Vasile ȚOPA
- 314 ICAN TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS , **SPECIAL HONOUR OF INVENTION** is hereby to: Costoiu Mihnea Cosmin, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateş Ileana Mariana for an outstanding exhibition of invention entitled: Orthopedic device for correction of the **TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT - RO 133750 / 2019-12-30**, the 24th INTERNATIONAL EXHIBITION OF INVENTIONS, INVENTICA 2020, 29.07-31.07.2020, Moonsuk CHANG-Chairman & Chief Exhibition Officer, TISIAS-Toronto Canada, Bob HUYBRECHTS, RDT- Co-Chairman of the Jury Ican-Toronto, Canada
- 315 TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS , **SPECIAL HONOUR OF INVENTION** is hereby to: Costoiu Mihnea Cosmin, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateş Ileana Mariana for an outstanding exhibition of invention entitled: Multifunctional medical device for the



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- treatment of anorectal pathology - RO A00725/2019 - Suciu Alexandru, Semenescu Augustin, Fikai Anton, Suci Ioan Alexandru- RO 133750 / 2019-12-30, the 24th INTERNATIONAL EXHIBITION OF INVENTIONS, INVENTICA 2020, 29.07-31.07.2020, Moonsuk CHANG-Chairman & Chief Exhibition Officer, TISIAs-Toronto Canada, Bob HUYBRECHTS, RDT- Co-Chairman of the Jury Ican-Toronto, Canada
- 316 UNIVERSITATEA POLITEHNICA TIMIȘOARA 2020, Special Award for the Invention Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEUSVALGUS DEFECT - RO 133750 / 2019-12-30 - **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana on the occasion of THE 24th INTERNATIONAL EXHIBITION OF INVENTIONS INVENTICA 2020, IASI 29.07.-31.07.2020, Iasi, July 2020, Rector Assoc.Prof.Eng. Florin DRĂGAN, PhD.
- 317 Certificate of Excellence-This certificate is awarded to University Politehnica of Bucharest, Romania for sustaining the inventive spirit and promoting innovation and research at international level, RO 133750, RO A00493, US Patent Appl. 38170047, RO A00725, RO A00726, RO A000330, President of Romanian Association for Alternative Technologies-A.R.T.A. Sibiu, Prof.Eng.Ec. Aurel Mihai Țițu, ScD. & Ph.D., Dr. Habil. Iasi, 29-31 July 2020.
- 318 **Certificate of award**, this certificate is proudly presented to **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Mates Ileana Mariana, UNIVERSITY POLITEHNICA BUCHAREST, FOR THE ACHIEVEMENT OF **GOLD MEDAL** for the invention innovation entitled **Orthopedic device for correction of the TALIPES CALCANEUS/ TALIPES CALCANEUSVALGUS DEFECT**, at the 5th anniversary edition of the international invention innovation competition in Canada, Ican 2020, organized by Toronto International Society of Innovation and Advanced Skills TISIAs, held on August 29th, 2020, in Toronto Canada, Organizing chairman MOONSUK CHANG, Co-Chairman of the jury BOB HUYBRECHTS.
- 319 **Certificate of award**, this certificate is proudly presented to **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Mates Ileana Mariana, UNIVERSITY POLITEHNICA BUCHAREST, FOR THE ACHIEVEMENT OF **ORGANIZER'S CHOICE AWARD** FOR THE INVENTION INNOVATION ENTITLED **Orthopedic device for correction of the TALIPES CALCANEUS/ TALIPES CALCANEUSVALGUS DEFECT**, at the 5th anniversary edition of the international invention innovation competition in Canada, Ican 2020, organized by Toronto International Society of Innovation and Advanced Skills TISIAs, held on August 29th, 2020, in Toronto Canada, Organizing chairman MOONSUK CHANG, Co-Chairman of the jury BOB HUYBRECHTS.
- 320 TISIAs- **Certificate of achievement-Special Award** presented to **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Mates Ileana Mariana, UNIVERSITY POLITEHNICA BUCHAREST in recognition of excellent invention innovation of entitled **Orthopedic device for correction of the TALIPES CALCANEUS/ TALIPES CALCANEUSVALGUS DEFECT**, at the 5th anniversary edition of the international invention innovation competition in Canada, Ican 2020,

## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

organized by Toronto International Society of Innovation and Advanced Skills TISIAS, held on August 29th, 2020, in Toronto Canada, Organizing chairman MOONSUK CHANG, Co-Chairman of the jury BOB HUYBRECHTS

- 321 TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS-**SPECIAL HONOUR OF INVENTION**, is hereby presented **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana for **Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT-- RO 133750 / 2019-12-30 A00493/2019**, The 12<sup>th</sup> European Exhibition of Creativity and Innovation, Euroinvent 2020 held ONLINE during 21-23 May 2020 at the Palace of Culture in Iasi, Romania, Moonsuk CHANG-Chairman & Chief Exhibition Officer, TISIAS-Toronto Canada, Bob HUYBRECHTS, RDT Co-Chairman of the Jury Ican-Toronto, Canada
- 322 UNIVERSITY OF AGRONOMIC SCIENCES AND VETERINARY MEDICINE OF BUCHAREST-**INNOVATION AWARD** is awarded to **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Marian for **Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT-- RO 133750 / 2019-12-30**, 12<sup>th</sup> Edition of Euroinvent, European Exhibition of Creativity and Innovation Online Edition, 21-23 May 2020, Date : 23.05.2020, Rector : Prof.PhD. Sorin Mihai CÎMPEANU.
- 323 CAROL DAVILA UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST-**CAROL DAVILA AWARD** presented to **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana for **Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT-- RO 133750 / 2019-12-30 A00493/2019**, in recognition of the outstanding contribution to the 12<sup>th</sup> Edition of Euroinvent-European Exhibition of Creativity and Innovation, 21-23 May 2020, Iasi, Romania, Rector : Prof.Dr. Viorel JINGA.
- 324 EURO INVENT 12 EDITION, European Exhibition of Creativity and Innovation 2020 ONLINE, IASI ROMANI-**DIPLOMA OF GOLD MEDAL** is awarded to **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana for **Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT-- RO 133750 / 2019-12-30 A00493/2019** President of International Jury Dr.Eng. Mohd Mustafa Al Bakri ABDULLAH, President of Exhibition Prof. Ion SANDU.
- 325 EURO INVENT 12 EDITION, European Exhibition of Creativity and Innovation 2020 ONLINE, IASI ROMANI-**DIPLOMA** is awarded to, **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana for **Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS**



## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

- DEFECT-- RO 133750 / 2019-12-30 A00493/2019 EUROINVENT GRAND PRIZE** President of Exhibition Prof. Ion SANDU.
- 326 ICECHIM-The National Institute for Research & Development in Chemistry and Petrochemistry- **EXCELLENCE AWARD AND GOLD MEDAL IS AWARDED TO Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana for ***Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT-- RO 133750 / 2019-12-30 A00493/2019***, 12th Edition of Euroinvent-European Exhibition of Creativity and Innovation, Online Edition 21-23 May 2020
- 327 UNIVERSITATEA POLITEHNICA TIMIȘOARA **SPECIAL AWARD - Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana for ***Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT-- RO 133750 / 2019-12-30 A00493/2019***, University Politehnica of Bucharest, RO, EU, on the occasion of European Exhibition of Creativity and Innovation EUROINVENT, 12th Edition, Iași Romania, Rector : Assoc. Prof.Eng. Florin DRĂGAN, PhD.Iași, Mai 2020.
- 328 TECHNICAL UNIVERSITY CLUJ-NAPOCA ROMANIA **confers Diploma of Excellence and Gold Medal** Awarded by the Technical University of Cluj-Napoca Romania, To: **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana for ***Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT-- RO 133750 / 2019-12-30 A00493/2019***, To the 12<sup>th</sup> edition of EUROINVENT, European Exhibition of Creativity and Innovation 21-23 May 2020, Rector, Prof.dr.eng. Vasile ȚOPA.
- 329 Universitatea Politehnica Timisoara 2020, **SPECIAL AWARD Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana for ***Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT-- RO 133750 / 2019-12-30 A00493/2019***, University Politehnica of Bucharest, RO, EU, on the occasion of EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION-EUROINVENT, 11<sup>th</sup> Edition, Iasi Romania, 21th-23th of May 2020.
- 330 Pi-ENVEX Exhibition-**Pi-Envex SPECIAL AWARD** is presented to **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana for commending an excellent and creative effort to invent ***Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT-- RO 133750 / 2019-12-30 A00493/2019***, exhibited at the EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION (EUROINVENT) 2020, hold on MAY 22<sup>nd</sup>-23<sup>rd</sup>, 2020, Iasi Romania, PROFESSOR TS.DR.MOHD MUSTAFA AL BAKRI ABDULLAH, Chairman Pi-ENVEX 2020,Vice PresidentWorld Invention Intellectual Property Associations.

## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

331 **WIIPA SPECIAL AWARD**, presented to **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela Elena, Cîrstoiu Cătălin, Doicin Ioana Cristina, Mateș Ileana Mariana in recognition of **Orthopedic device for correction of the TALIPES CALCANEUS / TALIPES CALCANEOVALGUS DEFECT-- RO 133750 / 2019-12-30 A00493/2019** exhibited at the EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION EUROINVENT May 2020, Palace of Culture, Romania, Manli Hsieh President, World Invention Intellectual Property Associations.

### 2021

335. **Gold Medal**, in recognition of innovative excellence, presented to POLITEHNICA University of Bucharest **Costoiu Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela, Cîrstoiu Catalin, Doicin Ioana Cristina, Mates Ileana Mariana for **Orthopedic device for correction of the talipes calcaneus/ talipes calcaneovalgus defect**, at ASIE 2021, OCT 22-24, Virginia USA, President of WIIPA Mrs.Manli HSIEH, Internationa Jury Co-Chairman Mr. Moonsuk Chang.

336. Certificate of Appreciation, **Gold Award**, International Invention and Trade Expo 2021, This certificate is presented to **Mihnea Cosmin**, Semenescu Augustin, Doicin Vasile Cristian, Ulmeanu Mihaela, Cîrstoiu Catalin, Doicin Ioana Cristina, Mates Ileana Mariana for **Orthopedic device for correction of the talipes calcaneus/ talipes calcaneovalgus defect**.

337. Inova Croatia, Zagreb 2021, **GOLD**, Florin Miculescu, Aura Catalina Mocanu, George Stan, Iulian Vasile Antoniac, **Mihnea Cosmin Costoiu**, Stefan Ioan Voicu, Marian Miculescu, Ileana Mariana Mates, Augustin SEMENESCU, University Politehnica of Bucharest, **Process for obtaining a product for the reconstruction of bone defects, based on hydroxiapatite and biogenic biphassic calcium phosphate**, Director: Neven Markovic, President:Ljiljana Pedisic.

338. Inova Croatia, Zagreb 2021, **GOLD**, Florin Miculescu, Otilia Elena Ilie, **Mihnea Cosmin Costoiu**, Augustin SEMENESCU, Valeriu Gheorghita, Alexandru Marin, University Politehnica Bucharest, Romania, **Custom made implant from bioresorbable materials for internal fixation of long bone fractures-RO**, Director: Neven Markovic, President:Ljiljana Pedisic.

339. Salonul International de Inventii si Inovatii Traian Vuia Timisoara, se acorda **Medalia de aur** pentru inventia **Endoproteza cervicala femurala scurta**, autori Marius Moga, **Mihnea Cosmin Costoiu**, Ileana Mariana Mates, Catalin Gheorghe Amza,Cezar Ionut Calin, Augustin SEMENESCU, Institutia Universitatea Politehnica Bucuresti, Presedinte salon: Andrei SON, Presedinte salon Remi Rdulescu, Data 14 octombrie 2021.



## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

340. Diploma-National Inventics Institute Prize, offered to Universitatea Politehnica Bucuresti, *in recognition of high scientific contribution and loyalty to the XXV-th International Exhibition of Inventics, INVENTICA 2021*, Iasi, Romania, General Manager: Prof. Neculai SEGHEDEIN PhD.

341. Certificate of appreciation-SPECIAL AWARD, International Invention and Trade Expo 2021, this certificate is presented to: Costoiu Mihnea Cosmin, Semenescu Augustin, Doicin Vasilea Cristian, Ulmeanu Mihaela, Cirstoiu Catalin, Doicin Ioana Cristina, Mates Ileana Mariana for *Orthopedic device for correction of the talipes calcaneus/ talipes calcaneovalgus defect*, Theresa Lock Jury President, Down Hobbs Project Director.

342. Certificate of appreciation-GOLD AWARD, International Invention and Trade Expo 2021, this certificate is presented to: Costoiu Mihnea Cosmin, Semenescu Augustin, Doicin Vasilea Cristian, Ulmeanu Mihaela, Cirstoiu Catalin, Doicin Ioana Cristina, Mates Ileana Mariana for *Orthopedic device for correction of the talipes calcaneus/ talipes calcaneovalgus defect*, Theresa Lock Jury President, Down Hobbs Project Director.

343. International Invention Show-Inova Croatia, Zagreb 2021, **GOLD**, Florin Miculescu, Aura Catalina Mocanu, George Stan, Iulian Vasile Antoniac, Mihnea Cosmin Costoiu, Stefan Ioan Voicu, Marian Miculescu, Ileana Mariana Mates, Augustin SEMENESCU, University Politehnica of Bucharest, *Process for obtaining a product for the reconstruction of bone defects, based on hydroxiapatite and biogenic biphasic calcium phosphate*.

344. International Invention Show-Inova Croatia, Zagreb 2021, **GOLD**, Florin Miculescu, Otilia Elena Ilie, Mihnea Cosmin Costoiu, Augustin SEMENESCU, Valeriu Gheorghita, Alexandru Marin, University Politehnica Bucharest, Romania, *Custom made implant from bioresorbable materials for the internal fixation of long bone fractures-RO*.

345. Certificate of award-This certificate is proudly presented to ULMEANU Mihaela-Elena, DOICIN Cristian-Vasile, DAVIȚOIU Dragoș, TUNSOIU Daniela, TUNSOIU Nicolae, MURZAC Roman, PARASCHIV Alexandru, DOICIN Irina-Elena, SEMENESCU Augustin, COSTOIU Mihnea, MATEȘ Ileana Mariana, for the achievement of **Gold Medal**, by the invention-innovation entitled **BIOCOMPOSITE MEDICAL DEVICE FOR EXTENSIVE RECONSTRUCTION OF SOFT TISSUE AND ITS METHOD OF MANUFACTURING**, at the 6th annual international invention innovation competition in Canada, iCan 2021, organized by Toronto International Society of Innovation and Advanced Skills, held on August 28th, 2021 in Toronto Canada, Organizing chairman Moonsuk Chang, co-chairman of the jury Bob Huybrechts.

346. Certificate of award-This certificate is proudly presented to NICULESCU Marius, ANTONIAC Vasile-Iulian, SEMENESCU Augustin, DOICIN Cristian-Vasile, ULMEANU Mihaela-Elena, COSTOIU Mihnea Cosmin, MURZAC Roman, MATEȘ Ileana, DAVIȚOIU Dragoș-Virgil, for the achievement of **Gold Medal**, by the invention-innovation entitled **ACETABULAR MILLING DEVICE**, at the 6th annual international invention innovation competition in Canada, iCan 2021, organized by Toronto International Society of Innovation and Advanced Skills, held on August 28th, 2021 in Toronto Canada, Organizing chairman Moonsuk Chang, co-chairman of the jury Bob Huybrechts.

## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

347. **Certificate of award**-This certificate is proudly presented to Florin MICULESCU, Andreea MAIDANIU, **Mihnea Cosmin COSTOIU**, Augustin SEMENESCU, Marian MICULESCU, Florentina IONITARADU, Marius ARGHIRESCU, for the achievement of **Gold Medal**, by the invention-innovation entitled **METHOD FOR OBTAINING HYDROXYAPATITE SCAFFOLDS WITH PREDETERMINED PHYSICO-CHEMICAL CHARACTERISTICS FOR MAJOR BONE RECONSTRUCTION**, at the 6th annual international invention innovation competition in Canada, iCan 2021, organized by Toronto International Society of Innovation and Advanced Skills, held on August 28th, 2021 in Toronto Canada, Organizing chairman Moonsuk Chang, co-chairman of the jury Bob Huybrechts.

348. ICECHIM-The National Institute for Research and Development in Chemistry and Petrochemistry ICECHIM, **Excellence Award and Gold Medal**, is awarded to Marius MOGA, Augustin SEMENESCU, **Mihnea Cosmin COSTOIU**, Ileana Mariana MATEȘ, Cezar Ionut CALIN, Catalin Gheorghe AMZA, for **SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS**, 13th edition of EUROINVENT, European Exhibition of Creativity and Innovation, 20-22 May 2021, General Manager Dr.biochem. Mihaela DONI

349. REPUBLICA PORTUGUESA, CERTIFICATE, IT CERTIFIES THE PRESENT, TO CONFIRM **OFFICIAL INTERNATIONAL MERIT CERTIFICATE**, FOR CONTRIBUTION TO INNOVATION AND EXCELENT COOPERATION, IT CERTIFIES THAT IS GRANTED TO Marius MOGA, **Augustin SEMENESCU**, **Mihnea Cosmin COSTOIU**, Ileana Mariana MATEȘ, Cezar Ionut CALIN, Catalin Gheorghe AMZA, for **SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS**, FROM UNIVERSITY POLITEHNICA OF BUCHAREST, for all abnegated share cooperation and sparkling open mind , Delivered in the 7th edition of ICIR EUROINVENT, hold from 20 to 21 of May 2021, by exceptional conference, Vice-President: Manuel Maria Potes de Cordovil, President: Fernando Jorge Lopes.

350. REPUBLICA PORTUGUESA, CERTIFICATE, IT CERTIFIES THE PRESENT, TO CONFIRM **OFFICIAL INTERNATIONAL MERIT CERTIFICATE**, FOR CONTRIBUTION TO INNOVATION AND EXCELENT COOPERATION, IT CERTIFIES THAT IS GRANTED TO Marius MOGA, Augustin SEMENESCU, **Mihnea Cosmin COSTOIU**, Ileana Mariana MATEȘ, Cezar Ionut CALIN, Catalin Gheorghe AMZA, for **SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS**, FROM UNIVERSITY POLITEHNICA OF BUCHAREST, for all abnegated share cooperation and sparkling open mind , Delivered in the 7th edition of ICIR EUROINVENT, hold from 20 to 21 of May 2021, by exceptional conference, Vice-President: Manuel Maria Potes de Cordovil, President: Fernando Jorge Lopes.

351. **ATIP, SPECIAL PRIZE** is hereby awarded to Marius MOGA, Augustin SEMENESCU, **Mihnea Cosmin COSTOIU**, Ileana Mariana MATEȘ, Cezar Ionut CALIN, Catalin Gheorghe AMZA, for **SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS**, awarded by Association of Thai Innovation and Invention Promotion Thailand, in EUROINVENT, Dr. Unchalee Sanguanpong President

352. **WIIPA SPECIAL AWARD**, Presented to Marius MOGA, Augustin SEMENESCU, **Mihnea Cosmin COSTOIU**, Ileana Mariana MATEȘ, Cezar Ionut CALIN, Catalin Gheorghe AMZA in recognition of



## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

**SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS** exhibited at European Exhibition of Creativity and Innovation, EUROINVENT, May 2021, Palace of Culture, Romania, President: Manli Hsieh.

353. **TISIAS-SPECIAL HONOUR OF INVENTION** is hereby presented to Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar Ionut CALIN, Catalin Gheorghe AMZA in recognition of **SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS** The 13th European Exhibition of Creativity and Innovation, EUROINVENT 2021, held online during 20-22 May 2021 at the Palace of Culture Iasi, Romania, Moonsuk CHANG Chairman and Chief Exhibition Officer TISIAS-Toronto Canada, Bob HUYBRECHTS, RDT Co-Chairman of the Jury.

354. **DIPLOMA OF GOLD MEDAL** is awarded to Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar Ionut CALIN, Catalin Gheorghe AMZA in recognition of **SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS** President of International Jury Prof.Dr.Ing.Mohd Mustafa Al Bakri ABDULLAH, President of Exhibition Prof.Dr.Ion SANDU

## 2022

355. **Certificate of award**-This certificate is proudly presented to Florin MICULESCU, Otilia ILIE, Augustin SEMENESCU, Mihnea-Cosmin COSTOIU, Valeriu GHEORGHIȚĂ, Alexandru MARIN, for the achievement of **Gold Medal**, by the invention-innovation entitled **CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES**, at the 7-th annual international invention innovation competition in Canada, **iCan 2022**, organized by Toronto International Society of Innovation and Advanced Skills, held on August 27th, 2022 in Toronto Canada, Organizing chairman Moonsuk Chang, co-chairman of the jury Bob Huybrechts.
356. OCIIIP- Organization for Creativity Innovation and Invention Promotion- **OCIIIP SPECIAL AWARD IS PROUDLY PRESENTED TO** Florin MICULESCU, Otilia ILIE, Augustin SEMENESCU, Mihnea-Cosmin COSTOIU, Valeriu GHEORGHIȚĂ, Alexandru MARIN for an excellent performance with the invention: **CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES**; the 7-th annual international invention innovation competition in Canada, **iCan 2022**, organized by Toronto International Society of Innovation and Advanced Skills, held on August 27th, 2022 in Toronto Canada; Date August 27th, 2022, MICHAEL ESUONG, PRESIDENT OF OCIIIP
357. **Certificate of award**-This certificate is proudly presented to VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MATEȘ Ileana-Mariana, PRISECARU Delia -Alexandra, for the achievement of **GOLD MEDAL**, by the invention-innovation entitled **SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON**

## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

**GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER**, at the 7-th annual international invention innovation competition in Canada, **iCan 2022**, organized by Toronto International Society of Innovation and Advanced Skills, held on August 27th, 2022 in Toronto Canada, Organizing chairman Moonsuk Chang, co-chairman of the jury Bob Huybrechts.

**358. Certificate of award**-This certificate is proudly presented to VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana-Mariana, PRISECARU Delia -Alexandra, for the achievement of **ORGANISER'S CHOICE AWARD**, by the invention-innovation entitled **SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER**, at the 7-th annual international invention innovation competition in Canada, **iCan 2022**, organized by Toronto International Society of Innovation and Advanced Skills, held on August 27th, 2022 in Toronto Canada, Organizing chairman Moonsuk Chang, co-chairman of the jury Bob Huybrechts.

**359. INNOVATION INITIATIVE - INVENTORES CIRCLE - A NON-PROFIT FORUM SUPPORTING INNOVATIVE BUSINESS- CANADIAN SPECIAL AWARD OF EXCELLENCE** presented to VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana-Mariana, PRISECARU Delia -Alexandra, for a special recognition of the excellent invention \* innovation, by the title of **SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER**, at the 7-th annual international invention innovation competition in Canada, **iCan 2022**, organized by Toronto International Society of Innovation and Advanced Skills, held on August 27th, 2022 in Toronto Canada, Bob Huybrechts – President, Mike McFarthing-Director of Education.

**360. Certificate of award**-This certificate is proudly presented to Florin MICULESCU, Aura MOCANU, George STAN, Iulian ANTONIAC, **Mihnea Cosmin COSTOIU**, Stefan VOICU, Marian MICULESCU, Ileana MATES, Augustin SEMENESCU, for the achievement of **GOLD MEDAL**, by the invention-innovation entitled **MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE**, at the 7-th annual international invention innovation competition in Canada, **iCan 2022**, organized by Toronto International Society of Innovation and Advanced Skills, held on August 27th, 2022 in Toronto Canada, Organizing chairman Moonsuk Chang, co-chairman of the jury Bob Huybrechts.

**361. TISIAS - Toronto International Society of Innovation and Advanced Skills SPECIAL AWARD**- presented to Florin MICULESCU, Aura MOCANU, George STAN, Iulian ANTONIAC, **Mihnea Cosmin COSTOIU**, Stefan VOICU, Marian MICULESCU, Ileana MATES, Augustin SEMENESCU, in recognition of excellent invention/innovation of **MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC**



## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

- CALCIUM PHOSPHATE**, exhibited and competed at the 7-th International Invention Innovation Competition in Canada, **iCan 2022**, organized by, held on August 27-th, 2022 in Toronto Canada, **Moonsuk Chang** – Chairman & Chief Exhibition Officer TISIAS- Toronto, Canada, **Bob Huybrechts** - chairman of the jury.
- 362. DIPLOMA OF HONOUR & GOLD MEDAL** Offered to Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU - University POLITEHNICA Bucharest, for MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), in recognition of high scientific contribution and loyalty to the XXVI-th INTERNATIONAL EXHIBITION OF INVENTICS **INVENTICA 2022**, Iasi, Romania, 22-24 June 2022, General Manager- National Institute of Inventics, Prof. Neculai-Eugen SEGHEDEIN, PhD.
- 363. DIPLOMA OF HONOUR & GOLD MEDAL** Offered to PETRICEANU Constantin, PETRICEANU Alexandru Daniel, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana - University POLITEHNICA Bucharest, for : MECHANICAL DEVICE WITH ULTRASOUND FOR QUALITY CONTROL OF TREES (RO 00638 /2021), in recognition of high scientific contribution and loyalty to the XXVI-th INTERNATIONAL EXHIBITION OF INVENTICS **INVENTICA 2022**, Iasi, Romania, 22-24 June 2022, General Manager- National Institute of Inventics, Prof. Neculai-Eugen SEGHEDEIN, PhD.
- 364. DIPLOMA OF HONOUR & SILVER MEDAL** Offered to MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, GHEORGHITĂ Valeriu, MARIN Alexandru - University POLITEHNICA Bucharest, for: CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES (RO 00257/2021), in recognition of high scientific contribution and loyalty to the XXVI-th INTERNATIONAL EXHIBITION OF INVENTICS **INVENTICA 2022**, Iasi, Romania, 22-24 June 2022, General Manager- National Institute of Inventics, Prof. Neculai-Eugen SEGHEDEIN, PhD.
- 365. DIPLOMA "GHEORGHE ASACHI" TECHNICAL UNIVERSITY PRIZE** Offered to University POLITEHNICA Bucharest (RO 00257/2021, RO 00258/2021, RO 00494/2021, RO 00495/2021, RO 00638 /2021) in recognition of high scientific contribution and loyalty to the XXVI-th INTERNATIONAL EXHIBITION OF INVENTICS **INVENTICA 2022**, Iasi, Romania, 22-24 June 2022, General Manager- National Institute of Inventics, Prof. Neculai-Eugen SEGHEDEIN, PhD.
- 366. Universitatea de Științe Agronomice și Medicina Veterinară din București (170 de ani--1852-2022) acorda MEDALIA ȘI DIPLOMA DE EXCELENȚĂ** Universității POLITEHNICA București (RO 00257/2021, RO 00258/2021, RO 00494/2021, RO 00495/2021, RO 00638 /2021), **INVENTICA 2022**, pentru merite deosebite în cercetarea științifică, inovare și excelență în inventică, 23.06.2022, Prof. Univ. Dr. Răzvan Ionuț TEODORESCU – Rector

## LISTĂ DE LUCRĂRI – Mihnea Cosmin COSTOIU

- 367. SPECIAL AWARD** FOR THE INVENTION: *MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021)* Awarded to: Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU, On the occasion of THE 26<sup>th</sup> INTERNATIONAL EXHIBITION OF INVENTIONS, **INVENTICA 2022**, IASI-ROMANIA, 22-24 of June 2022, Universitatea Politehnica Timisoara, Rector Assoc. Prof. Eng. Florin DRAGAN, Ph.D.
- 368.2022 BUDI UZOR INOVA Croatia**, 18<sup>th</sup> INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION – BE THE ROLE MODEL – 2022, 46<sup>th</sup> INTERNATIONAL INVENTION SHOW – INOVA 2022 # SPECIAL # **AWARD Medicine/ Health Care/ Cosmetics** – VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana-Mariana, PRISECARU Delia -Alexandra de la Universitatea Politehnica București – For “SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER”- October 2022, **Osijek, Croatia** - Croatian Inventors Network Director Neven Markovic, dipl.jur., Tera Tehnopolis Ltd. Director Ana Niksic- Saric, univ. spec. oec., Croatian Inventors Network Ljiljana Pedisic, mag. Ing. Cheming.
- 369.2022 BUDI UZOR INOVA Croatia**, 18<sup>th</sup> INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION – BE THE ROLE MODEL – 2022, 46<sup>th</sup> INTERNATIONAL INVENTION SHOW – INOVA 2022 # GOLD # VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana-Mariana, PRISECARU Delia -Alexandra de la Universitatea Politehnica București – Pentru / For “SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER” - October 2022, **Osijek, Croatia** - Croatian Inventors Network Director Neven Markovic, dipl.jur., Tera Tehnopolis Ltd. Director Ana Niksic- Saric, univ. spec. oec., Croatian Inventors Network Ljiljana Pedisic, mag. Ing. Cheming.
- 370.2022 BUDI UZOR INOVA Croatia**, 18<sup>th</sup> INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION – BE THE ROLE MODEL – 2022, 46<sup>th</sup> INTERNATIONAL INVENTION SHOW – INOVA 2022 # GOLD # Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU-pentru MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021)- October 2022, **Osijek, Croatia** - Croatian Inventors Network Director Neven Markovic, dipl.jur., Tera Tehnopolis Ltd. Director Ana Niksic- Saric, univ. spec. oec., Croatian Inventors Network Ljiljana Pedisic, mag. Ing. Cheming.



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- 371.2022 BUDI UZOR INOVA Croatia**, 18<sup>th</sup> INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION – BE THE ROLE MODEL – 2022, 46<sup>th</sup> INTERNATIONAL INVENTION SHOW – INOVA 2022 # GOLD # MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, GHEORGHITĂ Valeriu, MARIN Alexandru for CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES (RO 00257/2021), October 2022, **Osijek, Croatia** - Croatian Inventors Network Director Neven Markovic, dipl.jur., Tera Tehnopolis Ltd. Director Ana Niksic- Saric, univ. spec. oec., Croatian Inventors Network Ljiljana Pedisic, mag. Ing. Cheming.
- 372.2022 BUDI UZOR INOVA Croatia**, 18<sup>th</sup> INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION – BE THE ROLE MODEL – 2022, 46<sup>th</sup> INTERNATIONAL INVENTION SHOW – INOVA 2022 # SILVER # PETRICEANU Constantin, PETRICEANU Alexandru Daniel, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana - MECHANICAL DEVICE WITH ULTRASOUND FOR QUALITY CONTROL OF TREES (RO 00638 /2021), " - October 2022, **Osijek, Croatia** - Croatian Inventors Network Director Neven Markovic, dipl.jur., Tera Tehnopolis Ltd. Director Ana Niksic- Saric, univ. spec. oec., Croatian Inventors Network Ljiljana Pedisic, mag. Ing. Cheming.
- 373.WIIPA SPECIAL AWARD**, Presented to University POLITEHNICA of Bucharest, Romania - Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU - in recognition of MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), exhibited at INOVA 46TH INTERNATIONAL INVENTION SHOW, 12-15 October, 2022, **Osijek, Croatia**, Manli Hsieh.President World Invention Intellectual Property Associations
- 374.ICECHIM**, The National Institute for Research and Development in Chemistry and Pedochemistry, ICECHIM, **Special Award**, is awarded, to PETRICEANU Constantin, PETRICEANU Alexandru Daniel, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana for MECHANICAL DEVICE WITH ULTRASOUND FOR QUALITY CONTROL OF TREES (RO 00638 /2021), INOVA 2022, 46-th International Invention Show, 12-15 October, 2022, **OSIJEK, CROATIA**, General Manager: Dr.biochem.Mihaela DONI.
- 375.ICECHIM**, The National Institute for Research and Development in Chemistry and Pedochemistry, ICECHIM,**Excellence Award and Gold Medal**, is awarded,to Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, **Augustin SEMENESCU** - in recognition of MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM

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PHOSPHATE (RO 00258/2021), INOVA 2022, 46-th International Invention Show, 12-15 October, 2022, **OSIJEK, CROATIA**, General Manager: Dr.biochem.Mihaela DONI.

- 376.TISIAS – TORONTO INTERNATIONAL SOCIETY OF INNOVATION AND ADVANCED SKILLS - Certificate of achievement - -SPECIAL AWARD** presented to MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, GHEORGHITĂ Valeriu, MARIN Alexandru *in recognition of excellent invention/innovation* CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES (RO 00257/2021) exhibited and competed at The 46-th International Invention Show, INOVA 2022 held from 12-15 October 2022 **OSIJEK, CROATIA**, MOONSUK CHANG Chairman and Chief Exhibition Officer TISIAS – Toronto, Canada & BOB HUYBRECHTS, Chairman of the Jury iCAN Toronto, Canada
- 377.WIIPA SPECIAL AWARD**, Presented to MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, GHEORGHITĂ Valeriu, MARIN Alexandru in recognition of CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES (RO 00257/2021) exhibited at INOVA 46TH INTERNATIONAL INVENTION SHOW, 12-15 October, 2022, **Osijek, Croatia**, Manli Hsieh.President World Invention Intellectual Property Associations
- 378.TISIAS – TORONTO INTERNATIONAL SOCIETY OF INNOVATION AND ADVANCED SKILLS - Certificate of achievement - SPECIAL AWARD** presented to PETRICEANU Constantin, PETRICEANU Alexandru Daniel, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana *in recognition of excellent invention/innovation* MECHANICAL DEVICE WITH ULTRASOUND FOR QUALITY CONTROL OF TREES (RO 00638 /2021), exhibited and competed at The 46-th International Invention Show, INOVA 2022 held from 12-15 October 2022 **OSIJEK, CROATIA**, MOONSUK CHANG Chairman and Chief Exhibition Officer TISIAS – Toronto, Canada & BOB HUYBRECHTS, Chairman of the Jury iCAN Toronto, Canada
- 379.WIIPA SPECIAL AWARD**, Presented to PETRICEANU Constantin, PETRICEANU Alexandru Daniel, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana in recognition of MECHANICAL DEVICE WITH ULTRASOUND FOR QUALITY CONTROL OF TREES (RO 00638 /2021) exhibited at INOVA 46TH INTERNATIONAL INVENTION SHOW, 12-15 October, 2022, **Osijek, Croatia**, Manli Hsieh.President World Invention Intellectual Property Associations
- 380.WIIPA SPECIAL AWARD**, Presented to VOICU Ioan Ștefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana-Mariana, PRISECARU Delia -Alexandra – in recognition of “SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER” exhibited at INOVA 46<sup>th</sup> INTERNATIONAL INVENTION SHOW, 12-15 October, 2022, **Osijek, Croatia**, Manli Hsieh.President World Invention Intellectual Property Associations



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381. **CERTIFICATE OF EXCELLENCE** TO VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana-Mariana, PRISECARU Delia -Alexandra – for “SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER” on the occasion of the 46<sup>th</sup> INOVA International Invention Show, 12-15 October, 2022, **Osijek, Croatia**, Innovation & Technology Transfer Office UPT, Director Lect, Dr.Eng. Vlad MIHAESCU
382. IBS GLOBAL – CERTIFICATE OF APPRECIATION- THIS **SPECIAL AWARD** IS AWARDED TO VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana-Mariana, PRISECARU Delia -Alexandra – for “SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER” and for your amazing contribution to **INOVA CROATIA 2022**, EDYTA WOLCZYK, CEO, RAMAN TEJA VENIGALLA, CTO
383. INVENTORS CIRCLE A NON PROFIT FORUM SUPPORTING INNOVATIVE BUSINESS -**Innovation initiative CANADIAN SPECIAL AWARD OF EXCELLENCE** Presented to TO VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana-Mariana, PRISECARU Delia -Alexandra – for a special recognition of the excellent invention / innovation by the title of “SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER” participated at the 46<sup>th</sup> International Invention Show INOVA2022, held from 12-15 October, 2022, in **Osijek, Croatia**, Bob Huybrechts- President, Mike McFarthing- Director of Education
384. IBS GLOBAL – CERTIFICATE OF APPRECIATION- THIS **SPECIAL AWARD** IS AWARDED TO Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU – for MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021) and for your amazing contribution to **INOVA CROATIA 2022**, EDYTA WOLCZYK, CEO, RAMAN TEJA VENIGALLA, CTO
385. **SPECIAL AWARD** TO Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU, FOR MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021) on the occasion of the 46<sup>th</sup> INOVA International Invention Show, **Croatia - Osijek**, October, 12-15, 2022, Innovation & Technological Transfer Office UPT, Director Lect. Dr. Eng. Vlad MIHAESCU

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386. INVENTORS CIRCLE A NON PROFIT FORUM SUPPORTING INNOVATIVE BUSINESS -**Innovation initiative CANADIAN SPECIAL AWARD OF EXCELLENCE** Presented to TO Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU – for a special recognition of the excellent invention / innovation by the title of FOR MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021) participated at the 46<sup>th</sup> International Invention Show INOVA2022, held from 12-15 October, 2022, in **Osijek, Croatia**, Bob Huybrechts-President, Mike McFarthing- Director of Education
387. Universitatea de stat de medicina si farmacie Nicolae Testemitanu din Republica Moldova, **Diploma de excelenta si medalia de aur**, se acorda Florin Miculescu, Aura Catalina Mocanu, George Stan, Iulian Vasile Antoniac, **Mihnea Cosmin Costoiu**, Stefan Ioan Voicu, Marian Miculescu, Ileana Mariana Mates, Augustin SEMENESCU, pentru MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), The 26-th INTERNATIONAL EXHIBITION OF INVENTICS **INVENTICA 2022**, Iasi, Romania, 22-24 June 2022 rector. prof.univ.dr.hab.st.med Emil Ceban, Prorector pentru activitate de cercetare Stanislav Grappa, prof.univ.dr.hab.st.med academician al ASM.
388. Romanian Inventors Forum- **Excellence in Innovation AWARD - DIPLOMA** awarded to Florin Miculescu, Aura Catalina Mocanu, George Stan, Iulian Vasile Antoniac, **Mihnea Cosmin Costoiu**, Stefan Ioan Voicu, Marian Miculescu, Ileana Mariana Mates, Augustin SEMENESCU, University POLITEHNICA Bucharest - MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), INTERNATIONAL EXHIBITION OF INVENTICS **INVENTICA 2022**, Iasi, Romania, 22-24. 06. 2022 President of FIR Assoc. Prof. Andrei Victor SANDU, Iasi, Romania- June 24, 2022
389. ASOCIAȚIA ROMÂNĂ DE PTERIDOLOGIE – Romanian Association of Pteridology -- **Excellence Award and Gold Medal**, is awarded to Florin Miculescu, Aura Catalina Mocanu, George Stan, Iulian Vasile Antoniac, **Mihnea Cosmin Costoiu**, Stefan Ioan Voicu, Marian Miculescu, Ileana Mariana Mates, Augustin SEMENESCU, For MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), The 26-th edition International Exhibition of Inventics **INVENTICA 2022**, 22-24 June 2022, Iasi, ROMANIA, 24.06.2022, President Assoc Cristina Liliana SOARE.
390. ASOCIAȚIA ROMÂNĂ DE PTERIDOLOGIE – Romanian Association of Pteridology -- **Excellence Award and Gold Medal**, is awarded to MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, GHEORGHITĂ Valeriu, MARIN Alexandru - Universitatea Politehnica București for CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES (RO 00257/2021), The 26-th edition International Exhibition of Inventics



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- INVENTICA 2022*, 22-24 June 2022, Iasi, ROMANIA, 24.06.2022, President Assoc Cristina Liliana SOARE.
391. ASOCIAȚIA ROMÂNĂ DE PTERIDOLOGIE – Romanian Association of Pteridology -- **Excellence Award and Gold Medal**, is awarded to PETRICEANU Constantin, PETRICEANU Alexandru Daniel, COSTOIU Mihnea Cosmin, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana For MECHANICAL DEVICE WITH ULTRASOUND FOR QUALITY CONTROL OF TREES (RO 00638 /2021), The 26-th edition International Exhibition of Inventions *INVENTICA 2022*, 22-24 June 2022, Iasi, ROMANIA, 24.06.2022, President Assoc Cristina Liliana SOARE.
392. ICECHIM, The National Institute for Research and Development in Chemistry and Pedochemistry, ICECHIM, **Special Award**, is awarded, to Florin Miculescu, Aura Catalina Mocanu, George Stan, Iulian Vasile Antoniac, Mihnea Cosmin Costoiu, Stefan Ioan Voicu, Marian Miculescu, Ileana Mariana Mates, Augustin SEMENESCU, For MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), The 26-th edition International Exhibition of Inventions *INVENTICA 2022*, 22-24 June 2022, Iasi, ROMANIA, 24.06.2022, General Manager: Dr. biochem. Mihaela DONI.
393. **Universitatea Politehnica Timisoara SPECIAL AWARD FOR THE INVENTION** For MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), Awarded to Florin Miculescu, Aura Catalina Mocanu, George Stan, Iulian Vasile Antoniac, Mihnea Cosmin Costoiu, Stefan Ioan Voicu, Marian Miculescu, Ileana Mariana Mates, Augustin SEMENESCU, On the occasion of THE 26-TH EDITION INTERNATIONAL EXHIBITION OF INVENTIONS, *INVENTICA 2022*, Iasi-ROMANIA, 22-24 June 2022,, 24.06.2022, IASI, June 2022, Rector Assoc. Prof. Eng. Florin DRAGAN, Ph.D.
394. **The Golden Medal** of Universitatea Stefan cel Mare Suceava is awarded to MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, GHEORGHITĂ Valeriu, MARIN Alexandru - Universitatea Politehnica București for CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES (RO 00257/2021), **PRO INVENT**, October 26-28, 2022, Cluj-Napoca, ROMANIA, Professor Dan-Laurentiu MILICI, Inventions and Technology Transfer Center Coordinator
395. **“Lucian Blaga” University of Sibiu** awards a **Special Prize** as a sign of honour, recognition and appreciation of scientific creativity and originality to: VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MATES Ileana-Mariana, PRISECARU Delia -Alexandra - “SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER (RO 00208 /2022)”, Universitatea Politehnica București, Rector of “Lucian Blaga” University of Sibiu, Prof. Sorin RADU, Ph.D., Dr. Habil., Manager of PATLIB Sibiu Centru, Prof. Eng. & Ec. Aurel Mihail ȚÎȚU, Sc.D & Ph.D, Dr. Habil., DHC. October 26-28,

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- 2022, Cluj-Napoca, 20-th International Exhibition of Research, Innovations and Inventions, **PRO INVENT 2022**
396. UNIVERSITATEA TEHNICA din Cluj- Napoca membra a EUT EUROPEAN UNIVERSITY OF TECHNOLOGY - Premiul Societatii absolventilor UTCN "Ad Absolutum" se acorda/ Awarded to VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana-Mariana, PRISECARU Delia -Alexandra de la Universitatea Politehnica București – Pentru / For "SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER", **Pro Invent**, 26-28 octombrie 2022, Cluj- Napoca, Rector Prof. dr.ing. Vasile ȚOPA
397. **PRO INVENT** Ediția XX, 26-28 octombrie 2022, Cluj- Napoca - **DIPLOMA DE EXCELENȚĂ SI MEDALIA DE AUR** se acorda VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana-Mariana, PRISECARU Delia -Alexandra de la Universitatea Politehnica București – Pentru "BIOSENZOR CU UNDE ACUSTICE DE SUPRAFAȚA PE BAZA DE GRAFENĂ FUNCTIONALIZATĂ CU ANTICORP MONOCLONAL ANTI-ALFA-FETOPROTEINĂ, PENTRU DIAGNOSTICUL CANCERULUI HEPATIC", PRESEDINTELE SALONULUI Prof. dr.ing. VASILE ȚOPA Rector AL Universitatii Tehnice din Cluj- Napoca, PRESEDINTELE JURIULUI Prof. dr.ing. RADU MUNTEANU.
398. **PRO INVENT** Ediția XX, 26-28 octombrie 2022, Cluj- Napoca - **DIPLOMA DE EXCELENȚĂ SI MEDALIA DE AUR** se acorda MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, GHEORGHITĂ Valeriu, MARIN Alexandru - Universitatea Politehnica București Pentru IMPLANT PERSONALIZAT DIN MATERIALE BIORESORBABILE PENTRU FIXAREA INTERNĂ A FRACTURILOR OASELOR LUNGI, PRESEDINTELE SALONULUI Prof. dr.ing. VASILE ȚOPA Rector AL Universitatii Tehnice din Cluj-Napoca, PRESEDINTELE JURIULUI Prof. dr.ing. RADU MUNTEANU.
399. **PRO INVENT** Ediția XX, 26-28 octombrie 2022, Cluj- Napoca - **DIPLOMA DE EXCELENȚĂ SI MEDALIA DE AUR** se acorda PROCEDEU DE OBȚINERE A UNUI PRODUS PENTRU RECONSTRUCȚIA DEFECTELOR OSOASE, PE BAZĂ DE HIDROXIAPATITĂ ȘI FOSFAT DE CALCIU BIFAZIC BIOGEN, Autori: Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU, PRESEDINTELE SALONULUI Prof. dr.ing. VASILE ȚOPA Rector AL Universitatii Tehnice din Cluj-Napoca, PRESEDINTELE JURIULUI Prof. dr.ing. RADU MUNTEANU.
400. **PRO INVENT** Ediția XX, 26-28 octombrie 2022, Cluj- Napoca - **DIPLOMA DE EXCELENȚĂ SI MEDALIA DE AUR** se acorda PETRICEANU Constantin, PETRICEANU Alexandru Daniel, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana de la Universitatea Politehnica București – Pentru / For "DISPOZITIV MECANIC CU ULTRASUNETE PENTRU CONTROLUL CALITATII ARBORILOR PE PICIOR", PRESEDINTELE SALONULUI Prof. dr.ing. VASILE



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- ȚOPA Rector AL Universitatii Tehnice din Cluj-Napoca, PRESEDINTELE JURIULUI Prof. dr.ing. RADU MUNTEANU.
401. INOE 2000 NATIONAL INSTITUTE of RESEARCH & DEVELOPMENT for ELECTRONICS -- **Special Award For long and fruitful collaboration to Prof.univ.dr.ing. AUGUSTIN SEMENESCU For „ OPERA OMNIA”**, PRO INVENT International Salon of Scientific Research, Innovations and Inventions, XX edition, Cluj-Napoca, ROMANIA, 26-28 October 2022, General Director Roxana SAVASTRU.
402. UNIVERSITATEA TEHNICA din Cluj- Napoca membra a EUT EUROPEAN UNIVERSITY OF TECHNOLOGY – Premiul aniversar „ Augustin Maior” Se acorda/ Awarded to Universitatea Politehnica București pentru/for Invențiile prezentate la Salonul **Pro Invent** 2022, 26-28 octombrie 2022, Cluj-Napoca, Rector Prof. dr.ing. Vasile ȚOPA.
403. **Universitatea Politehnica Timisoara SPECIAL AWARD** For MECHANICAL DEVICE WITH ULTRASOUND FOR QUALITY CONTROL OF TREES (RO 00638 /2021) to: PETRICEANU Constantin, PETRICEANU Alexandru Daniel, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana,, On the occasion of The International Exhibition of Research, Innovations and Inventions **PRO INVENT**, XX Edition, Cluj-Napoca – ROMANIA, 26-28 October 2022, Cluj-Napoca, October 2022, Rector Assoc. Prof. Eng. Florin DRAGAN, Ph.D.
404. ICECHIM, The National Institute for Research and Development in Chemistry and Pedochemistry, ICECHIM, **Special Award**, is awarded, to Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU for MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), **PRO INVENT** International Exhibition of Research, Innovations and Inventions, The 20-th edition, 26-28 October 2022, Cluj-Napoca, ROMANIA, General Manager: Dr.biochem.Mihaela DONI.
405. **Universitatea de Științe Agronomice si Medicina Veterinara din București (170 de ani--1852-2022)** acorda **MEDALIA SI DIPLOMA DE EXCELENȚĂ** Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU-pentru MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), **PRO INVENT**, 23.10.2022, Prof. Univ. Dr. Răzvan Ionuț TEODORESCU – Rector
406. **Universitatea de Științe Agronomice si Medicina Veterinara din București (170 de ani--1852-2022)** acorda **MEDALIA SI DIPLOMA DE EXCELENȚĂ** Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU-pentru MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND

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- BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), 23.10.2022, **PRO INVENT**, Prof. Univ. Dr. Răzvan Ionuț TEODORESCU – Rector
407. **UNIVERSITATEA DE STAT DE MEDICINA SI FARMACIE „NICOLAE TESTIMITEANU” DIN REPUBLICA MOLDOVA, DIPLOMA DE EXCELENTA CU MEDALIE DE AUR**, Se acorda: VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana-Mariana, PRISECARU Delia -Alexandra, pentru SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER (RO 00208 /2022), Salonul International de Invenții si Inovații "TRAIAN VUIA" ediția a VIII-a, 8-10 Octombrie 2022, **Timisoara**, Romania.
408. **Universitatea de Științe Agronomice si Medicina Veterinara din București (170 de ani--1852-2022)** acorda **DIPLOMA DE EXCELENȚĂ** Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU-pentru MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), 3.10.2022, **TIMISOARA**, Prof. Univ. Dr. Răzvan Ionuț TEODORESCU – Rector
409. **Universitatea de Științe Agronomice si Medicina Veterinara din București (170 de ani--1852-2022)** acorda **DIPLOMA DE EXCELENȚĂ** VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana-Mariana, PRISECARU Delia -Alexandra, pentru SURFACE ACOUSTIC WAVE BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH ANTI-ALPHA-FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER (RO 00208 /2022), 3.10.2022, **TIMISOARA**, Prof. Univ. Dr. Răzvan Ionuț TEODORESCU – Rector
410. ICECHIM, The National Institute for Research and Development in Chemistry and Pedochemistry, ICECHIM, **Special Award**, is awarded, to MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, GHEORGHITĂ Valeriu, MARIN Alexandru for CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES (RO 00257/2021), "TRAIAN VUIA" International Exhibition of Inventions and Innovations 8-th edition, October 8-10, 2022, **Timisoara**, Romania General Manager: Dr.biochem.Mihaela DONI.
411. **Salonul International de Invenții si Inovații Traian Vuia Timișoara**, Diplomă se acorda Medalia de aur pentru invenția CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES (RO 00257/2021), autori MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, GHEORGHITĂ Valeriu, MARIN Alexandru., Instituția Universitatea Politehnica București, Președinte juriu: Prof.dr. habil. Narcisa MEDERLE, Președinte salon Remi Rădulescu, Data 10 octombrie 2022.



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- 412. Salonul Internațional de Invenții și Inovații Traian Vuia Timișoara**, Diplomă se acordă Medalia de aur pentru invenția MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), autori Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU, Instituția Universitatea Politehnică București, Președinte juriu: Prof.dr. habil. Narcisa MEDERLE, Președinte salon Remi Rădulescu, Data 10 octombrie 2022.
- 413. Salonul Internațional de Invenții și Inovații Traian Vuia Timișoara**, Diplomă se acordă Medalia de aur pentru invenția MECHANICAL DEVICE WITH ULTRASOUND FOR QUALITY CONTROL OF TREES (RO 00638 /2021), autori PETRICEANU Constantin, PETRICEANU Alexandru Daniel, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana, Instituția Universitatea Politehnică București, Presedinte juriu: Prof.dr. habil. Narcisa MEDERLE, Presedinte salon Remi Radulescu, Data 10 octombrie 2022.
- 414. Universitatea de Științe Agronomice și Medicina Veterinară din București (170 de ani--1852-2022)** acordă **MEDALIA ȘI DIPLOMA DE EXCELENȚĂ**, Universității POLITEHNICA București pentru Perseverența în Promovarea Inovării și pentru Performanța în Invenția, 10.X.2022, **Timișoara**, Prof. Univ. Dr. Răzvan Ionuț TEODORESCU – Rector
- 415. UNIVERSITATEA DE MEDICINA ȘI FARMACIE VICTOR BABES / TIMISOARA, PREMIU SPECIAL**, ediția a VIII-a Salonul Internațional de Invenții și Inovații "Traian Vuia" **Timișoara** pentru lucrarea PROCEDEU DE OBTINERE A UNUI PRODUS PENTRU RECONSTRUCȚIA DEFECTELOR OSOASE, PE BAZĂ DE HIDROXIAPATITĂ ȘI FOSFAT DE CALCIU BIFAZIC BIOGEN, Autori: Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU, Universitatea POLITEHNICA București, Prorector cercetare științifică Prof. univ. dr. Cristian OANCEA, Rector Prof. univ. dr. Octavian CRETU
- 416. INTARG 2022, 15<sup>-th</sup> Edition - INTERNATIONAL INVENTION AND INNOVATION SHOW – DIAMOND AWARD** awarded to University POLITEHNICA from Bucharest, Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU - in recognition of MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), The President of INTARG- Barbarea Haller de Hallenburg, Secretary of Jury – Marlena Owczuk Ph.D.Eng., The President of International Jury Prof. Krzysztof Biernat
- 417. INTARG 2022, 15<sup>-th</sup> Edition - INTERNATIONAL INVENTION AND INNOVATION SHOW – DIAMOND AWARD** awarded to University POLITEHNICA from Bucharest, MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, GHEORGHIȚĂ Valeriu, MARIN Alexandru for CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF

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LONG BONE FRACTURES (RO 00257/2021), The President of INTARG- Barbarea Haller de Hallenburg, Secretary of Jury – Marlena Owczuk Ph.D.Eng., The President of International Jury Prof. Krzysztof Biernat

- 418.** NATIONAL INSTITUTE for RESEARCH and DEVELOPMENT in ELECTRICAL ENGINEERING ICPE – CA Bucharest – DIPLOMA OF EXCELLENCE awarded to POLITEHNICA University of Bucharest in recognition of the quality of inventions presented to the **14-th Edition of EUROINVENT 2022 exhibition**– Iasi, Romania, 26- 28 May 2022, General Director of INC DIE ICPE-CA, Dr. Eng. Sergiu NICOLAIE
- 419.** University of Craiova Romania - **GOLD TROPHY & DIPLOMA OF EXCELLENCE**, as sign of appreciation for the innovative spirit affirmed in the field of scientific research materialized in the realization of the patent CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES (RO 00257/2021 inventors MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, GHEORGHITĂ Valeriu, MARIN Alexandru AUGUSTIN SEMENESCU, **EUROINVENT 2022**, Iasi, Romania, May 26-28, 2022, Rector: Prof. PhD. Cezar Ionut Spînu.
- 420.** **EUROINVENT 2022**, Iasi, Romania, **EXCELLENCE AWARD**, presented to Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU - in recognition of MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021),, for outstanding results in the field of medical bioengineering, Professor Anca Irina Galaction, Dean of Medical Bioengineering Faculty, „Grigore T. Popa” University of Medicine and Pharmacy, Iasi, Romania.
- 421.** **EUROINVENT 2022**, Iasi, Romania, **EXQUISITE AWARD DIPLOMA** - MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021)- Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU, President of International Jury Prof.Dr.Ing.Mohd Mustafa Al Bakri ABDULLAH, President of Exhibition Prof.Dr.Ion SANDU, May 28, 2022
- 422.** **EUROINVENT 2022**, Iasi, Romania, **DIPLOMA OF GOLD MEDAL** - MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021)- Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU, President of International Jury Prof.Dr.Ing.Mohd Mustafa Al Bakri ABDULLAH, President of Exhibition Prof.Dr.Ion SANDU, May 28, 2022



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- 423. EUROINVENT 2022**, Iasi, Romania, **DIPLOMA OF GOLD MEDAL** - MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, GHEORGHITĂ Valeriu, MARIN Alexandru for CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES (RO 00257/2021), President of International Jury Prof.Dr.Ing.Mohd Mustafa Al Bakri ABDULLAH, President of Exhibition Prof.Dr.Ion SANDU, May 28, 2022
- 424. EUROINVENT 2022**, Iasi, Romania, **DIPLOMA OF SILVER MEDAL** - MECHANICAL DEVICE WITH ULTRASOUND FOR QUALITY CONTROL OF TREES (RO 00638 /2021) PETRICEANU Constantin, PETRICEANU Alexandru Daniel, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana, President of International Jury Prof.Dr.Ing.Mohd Mustafa Al Bakri ABDULLAH, President of Exhibition Prof.Dr.Ion SANDU, May 28, 2022
- 425. WIIPA SPECIAL AWARD**, Presented to University POLITEHNICA of Bucharest, Romania - PETRICEANU Constantin, PETRICEANU Alexandru Daniel, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana - in recognition of MECHANICAL DEVICE WITH ULTRASOUND FOR QUALITY CONTROL OF TREES (RO 00638 /2021), exhibited at European Exhibition of Creativity and Innovation, (**EUROINVENT 2022**) 26 – 28 May 2022, Henry Coanda Hall Palace of Culture Iasi, ROMANIA, Manli Hsieh. President World Invention Intellectual Property Associations
- 426. MALAYSIAN RESEARCH & INNOVATION SOCIETY My RIS SPECIAL AWARD** is presented to PETRICEANU Constantin, PETRICEANU Alexandru Daniel, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana, for the innovation MECHANICAL DEVICE WITH ULTRASOUND FOR QUALITY CONTROL OF TREES (RO 00638 /2021) exhibited at 14-th European Exhibition of Creativity and Innovation, (**EUROINVENT 2022**), Palace of Culture Iasi, ROMANIA, 26 – 28 May 2022, organized by Romanian Inventors Forum, Europe Direct Iasi, Gheorghe Asachi Technical University of Iasi, Alexandru Ioan Cuza University of Iasi, Prof. Dr. Mohd. MUSTAFA AL BAKRI ABDULLAH
- 427. TECHNICAL UNIVERSITY of Cluj- Napoca ROMANIA**, member of EUT EUROPEAN UNIVERSITY OF TECHNOLOGY - confers **Diploma of Excellence and Gold Medal** to Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU from ROMANIA, For "MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021)", at 14-th edition of **EUROINVENT**, European Exhibition of Creativity and Innovation, Iasi, ROMANIA, 26 – 28 May 2022, Rector Prof.dr.eng. Vasile ȚOPA
- 428. AGEPI – REPUBLICA MOLDOVA – DIPLOMA DE EXCELENȚĂ** - EXPOZIȚIA EUROPEANA A CREATIVITAȚII ȘI INOVĂRII **EUROINVENT 2022**, se acordă PETRICEANU Constantin, PETRICEANU Alexandru Daniel, **COSTOIU Mihnea Cosmin**, SEMENESCU Augustin, GÎDIUȚĂ Ioana, DIACICOV Călin-Marian, CHIVU Oana Roxana, pentru MECHANICAL DEVICE WITH ULTRASOUND FOR

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- QUALITY CONTROL OF TREES (RO 00638 /2021) – Eugeniu RUSU- Director General, 26-28 mai 2022, Iași, România.
- 429.MALAYSIAN RESEARCH & INNOVATION SOCIETY My RIS SPECIAL AWARD** is presented to Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU from ROMANIA, for the innovation “MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021”, exhibited at 14-th European Exhibition of Creativity and Innovation, (**EUROINVENT 2022**), Palace of Culture Iasi, ROMANIA, 26 – 28 May 2022, organized by Romanian Inventors Forum, Europe Direct Iasi, Gheorghe Asachi Technical University of Iasi, Alexandru Ioan Cuza University of Iasi, Prof. Dr. Mohd. MUSTAFA AL BAKRI ABDULLAH
- 430.WIIPA SPECIAL AWARD**, Presented to University POLITEHNICA of Bucharest, Romania - Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU - in recognition of MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021), exhibited at European Exhibition of Creativity and Innovation, (**EUROINVENT 2022**) 26 – 28 May 2022, Henry Coanda Hall Palace of Culture Iasi, ROMANIA, , Manli Hsieh.President World Invention Intellectual Property Associations
- 431.AGEPI – REPUBLICA MOLDOVA – DIPLOMA DE EXCELENȚĂ** - EXPOZIȚIA EUROPEANA A CREATIVITAȚII ȘI INOVĂRII **EUROINVENT 2022**, se acordă Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, **Mihnea Cosmin COSTOIU**, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU pentru “MANUFACTURING PROCESS OF A PRODUCT DESTINED FOR BONE DEFECTS RECONSTRUCTION, BASED ON HYDROXIAPATITE AND BIOGENIC BIPHASIC CALCIUM PHOSPHATE (RO 00258/2021)” – Eugeniu RUSU- Director General, 26-28 mai 2022, Iași, România.
- 432.DIPLOMA SPECIAL AWARD** - awarded for CUSTOM MADE IMPLANT FROM BIORESORBABLE MATERIALS FOR INTERNAL FIXATION OF LONG BONE FRACTURES (RO 00257/2021) to MICULESCU Florin, ILIE Otilia Elena, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, GHEORGHITĂ Valeriu, MARIN Alexandru, on the occasion of European Exhibition of Creativity and Innovation **EUROINVENT 2022**, 14-th Edition IASI – ROMANIA, 26-th – 28-th of May 2022, President Corneliu BIRTOK BĂNEASĂ – INVENTCOR Power of Creative Mind.

2023



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433. INTARG 2023-16th INTERNATIONAL INVENTION AND INNOVATION SHOW-**SILVER MEDAL**, awarded to UNIVERSITY POLITEHNICA OF BUCHAREST, ROMANIA VOICU Ioan Stefan, OPREA Madalina, PANDELE Andreea Madalina, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MICULESCU Florin, ANTONIAC Iulian, MATES Ileana Mariana, CIOCA Lucian Ionel for the invention **DIALYSIS MEMBRANE WITH THE ABILITY OF CONTROLLED RELEASE OF ACTIVE SUBSTANCES FOR THE CONCOMITANT TREATMENT OF CHRONIC RENAL DYSFUNCTION AND LIVER CANCER AND THE PROCEDURE FOR OBTAINING IT**, The President of Intarg Barbara Haller de Hallenburg, Secretary of Jury Marlena Owczuk Phd.Eng., The president of International Jury prof. Krzysztof Biernat, Poland 2023.
434. INTARG 2023-16th INTERNATIONAL INVENTION AND INNOVATION SHOW-**GOLD MEDAL**, awarded to UNIVERSITY POLITEHNICA OF BUCHAREST, ROMANIA VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana Mariana, PRISECARU Delia Alexandra in recognition of excellent invention innovation of **SURFACE ACOUSTIC BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH NTI-ALPHA -FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER**, The President of Intarg Barbara Haller de Hallenburg, Secretary of Jury Marlena Owczuk Phd.Eng., The president of International Jury prof. Krzysztof Biernat, Poland 2023.
435. INTARG 2023-16th INTERNATIONAL INVENTION AND INNOVATION SHOW-**GOLD MEDAL**, awarded to UNIVERSITY POLITEHNICA OF BUCHAREST, ROMANIA ULMEANU Mihaela Elena, DOICIN Cristian Vasile, TUNSOIU Daniela, TUNSOIU Nicolae, DAVITOIU Dragos, MURZAC Roman, PARASCHIV Alexandru, DOICIN Irina Elena, SEMENESCU Augustin, MATES Ileana Mariana, **COSTOIU Mihnea Cosmin**, for the invention **BIOCOMPOSITE MEDICAL DEVICE FOR EXTENSIVE RECONSTRUCTION OF SOFT TISSUE** The President of Intarg Barbara Haller de Hallenburg, Secretary of Jury Marlena Owczuk Phd.Eng., The president of International Jury prof. Krzysztof Biernat, Poland 2023.
436. IRSCA Certificate of Excellence, on the behalf of ROMANINA INSTITUTE FOR ADVANCED STUDIES AND RESEARCH-GIFTED EDUCATION, **GOLD MEDAL AND CERTIFICATE OF EXCELLENCE** are awarded to MICULESCU Florin, MICULESCU Marian, **COSTOIU Mihnea Cosmin**, CHIVU Oana Roxana, BARBU Catalin Alexandru, SEMENESCU Augustin, for **MECHANO ELECTRIC LAUNDRY DRYER**, President of IRSCA Dr.Eng. Mircea Manolescu, Euroinvent May 2023.
437. IRSCA Certificate of Excellence, on the behalf of ROMANINA INSTITUTE FOR ADVANCED STUDIES AND RESEARCH-GIFTED EDUCATION, **GOLD MEDAL AND CERTIFICATE OF EXCELLENCE** are awarded to VOICU Ioan Stefan, OPREA Madalina, PANDELE Andreea Madalina, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MICULESCU Florin, ANTONIAC Iulian, MATES Ileana Mariana, CIOCA Lucian Ionel for **DIALYSIS MEMBRANE WITH THE ABILITY OF CONTROLLED RELEASE OF ACTIVE SUBSTANCES FOR THE CONCOMITANT TREATMENT OF CHRONIC RENAL DYSFUNCTION AND LIVER CANCER AND THE PROCEDURE FOR OBTAINING IT**, President of IRSCA Dr.Eng. Mircea Manolescu, Euroinvent May 2023.

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438. EUROINVENT 2023, On the behalf of the ROMANIAN INSTITUTE FOR ADVANCED STUDIES AND RESEARCH, The Justin Capra Trophy and the Certificate of Excellence are granted to VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MATES Ileana Mariana, PRISECARU Delia Alexandra in recognition of excellent invention innovation of ***SURFACE ACOUSTIC BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH NTI-ALPHA -FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER***, 13th May 2023
439. Lucian Blaga University of Sibiu, awards a **SPECIAL PRIZE** as a sign of honor, recognition and appreciation of scientific creativity and originality to: MICULESCU Florin, MICULESCU Marian, **COSTOIU Cosmin Mihnea**, CHIVU Oana Roxana, BARBU Catalin Alexandru, SEMENESCU Augustin for ***MECHANO ELECTRIC LAUNDRY DRYER***, Rector of Lucian Blaga University of Sibiu, Prof. Sorin Radu, PhD, Dr. Habil, Manager of Patlib Centre Sibiu Prof. Ing. Ec Aurel Mihail ȚÎȚU, 15th edition of EUROINVENT, European Exhibition OF Creativity and Innovation 11-13 May 2023.
440. TISIAS Certificate of achievement **SPECIAL AWARD**, Presented to MICULESCU Florin, MICULESCU Marian, **COSTOIU Cosmin Mihnea**, CHIVU Oana Roxana, BARBU Catalin Alexandru, SEMENESCU Augustin for ***MECHANO ELECTRIC LAUNDRY DRYER***, exhibited and completed at 15th edition of EUROINVENT, European Exhibition OF Creativity and Innovation 11-13 May 2023, MOONSUK Chang, Chairman of TISIAS, BOB HUYBRECHTS Chairman of the Jury i-Can Canada.
441. The National Institute for Research and Development in Chemistry and Petrochemistry, ICECHIM Bucharest **Excellence Award and GOLD MEDAL** is awarded to MICULESCU Florin, MICULESCU Marian, **COSTOIU Cosmin Mihnea**, CHIVU Oana Roxana, BARBU Catalin Alexandru, SEMENESCU Augustin for ***MECHANO ELECTRIC LAUNDRY DRYER***, Rector of Lucian Blaga University of Sibiu, Prof. Sorin Radu, PhD, Dr. Habil, Manager of Patlib Centre Sibiu Prof. Ing. Ec Aurel Mihail ȚÎȚU, 15th edition of EUROINVENT, European Exhibition OF Creativity and Innovation 11-13 May 2023.
442. Universitatea Stefan cel Mare Suceava **Diploma of Excellence GOLD MEDAL**, is awarded to VOICU Ioan Stefan, OPREA Madalina, PANDELE Andreea Madalina, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MICULESCU Florin, ANTONIAC Iulian, MATES Ileana Mariana, CIOCA Lucian Ionel for ***DIALYSIS MEMBRANE WITH THE ABILITY OF CONTROLLED RELEASE OF ACTIVE SUBSTANCES FOR THE CONCOMITANT TREATMENT OF CHRONIC RENAL DYSFUNCTION AND LIVER CANCER AND THE PROCEDURE FOR OBTAINING IT***, Professor Dan-Laurențiu MILICI, Inventics and Technology Transfer Center Coordinator, Suceava Romania European Exhibition OF Creativity and Innovation 11-13 May 2023.
443. **ATIP SPECIAL PRIZE**, is hereby awarded to VOICU Ioan Stefan, OPREA Madalina, PANDELE Andreea Madalina, SEMENESCU Augustin, **COSTOIU Mihnea Cosmin**, MICULESCU Florin, ANTONIAC Iulian, MATES Ileana Mariana, CIOCA Lucian Ionel for ***DIALYSIS MEMBRANE WITH THE ABILITY OF CONTROLLED RELEASE OF ACTIVE SUBSTANCES FOR THE CONCOMITANT TREATMENT OF CHRONIC RENAL DYSFUNCTION AND LIVER CANCER AND THE PROCEDURE FOR OBTAINING IT***,



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awarded by Association of Thai Innovation and Invention Promotion, THAILAND, European Exhibition OF Creativity and Innovation 11-13 May 2023, Dr. Unchalee Sanguanpong President.

- 444. TISIAS Certificate of achievement SPECIAL AWARD** , Presented to VOICU Ioan Stefan, OPREA Madalina, PANDELE Andreea Madalina, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MICULESCU Florin, ANTONIAC Iulian, MATES Ileana Mariana, CIOCA Lucian Ionel *for DIALYSIS MEMBRANE WITH THE ABILITY OF CONTROLLED RELEASE OF ACTIVE SUBSTANCES FOR THE CONCOMITANT TREATMENT OF CHRONIC RENAL DYSFUNCTION AND LIVER CANCER AND THE PROCEDURE FOR OBTAINING IT*, exhibited and completed at 15th edition of EUROINVENT, European Exhibition OF Creativity and Innovation 11-13 May 2023, MOONSUK Chang, Chairman of TISIAS, BOB HUYBRECHTS Chairman of the Jury i-Can Canada.
- 445.** The National Institute for Research and Development in Chemistry and Petrochemistry, ICECHIM Bucharest **EXCELLENCE AWARD and GOLD Medal** is awarded to VOICU Ioan Stefan, OPREA Madalina, PANDELE Andreea Madalina, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MICULESCU Florin, ANTONIAC Iulian, MATES Ileana Mariana, CIOCA Lucian Ionel *for DIALYSIS MEMBRANE WITH THE ABILITY OF CONTROLLED RELEASE OF ACTIVE SUBSTANCES FOR THE CONCOMITANT TREATMENT OF CHRONIC RENAL DYSFUNCTION AND LIVER CANCER AND THE PROCEDURE FOR OBTAINING IT* Scientific Council Chair Dr.Habil.Claudiu Fierascu, General Manager Dr.Biochem. Mihaela Doni, 15th edition of EUROINVENT, European Exhibition OF Creativity and Innovation 11-13 May 2023.
- 446.** TISIAS Certificate of achievement **SPECIAL AWARD** , Presented to VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MATES Ileana Mariana in recognition of excellent invention innovation of *SURFACE ACOUSTIC BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH NTI-ALPHA -FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER* , exhibited and completed at 15th edition of EUROINVENT, European Exhibition OF Creativity and Innovation 11-13 May 2023, MOONSUK Chang, Chairman of TISIAS, BOB HUYBRECHTS Chairman of the Jury i-Can Canada.
- 447.** The National Institute for Research and Development in Chemistry and Petrochemistry, ICECHIM Bucharest **Excellence Award and GOLD MEDAL** is awarded to VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MATES Ileana Mariana in recognition of excellent invention innovation of *SURFACE ACOUSTIC BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH NTI-ALPHA -FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER*, Rector of Lucian Blaga University of Sibiu, Prof. Sorin Radu, PhD, Dr. Habil, Manager of Patlib Centre Sibiu Prof. Ing. Ec Aurel Mihail ȚÎȚU, 15th edition of EUROINVENT, European Exhibition OF Creativity and Innovation 11-13 May 2023.
- 448.** ATIP **SPECIAL PRIZE**, is hereby awarded to VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MATES Ileana Mariana in recognition of excellent invention innovation of *SURFACE ACOUSTIC BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH NTI-ALPHA -FETOPROTEIN MONOCLONAL ANTIBODY, FOR*

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- THE DIAGNOSIS OF LIVER CANCER*, awarded by Association of Thai Innovation and Invention Promotion, THAILAND, European Exhibition OF Creativity and Innovation 11-13 May 2023, Dr. Unchalee Sanguanpong President.
449. Universitatea de stat din Moldova, se decernează to VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MATES Ileana Mariana in recognition of excellent invention innovation of ***SURFACE ACOUSTIC BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH NTI-ALPHA -FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER*** European Exhibition OF Creativity and Innovation 11-13 May 2023.
450. EUROINVENT, European Exhibition OF Creativity and Innovation **DIPLOMA SILVER MEDAL** to VOICU Ioan Stefan, PALLA-PAPAVLU Alexandra, ANTONIAC Vasile Iulian, MICULESCU Florin, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MATES Ileana Mariana in recognition of excellent invention innovation of ***SURFACE ACOUSTIC BIOSENSOR BASED ON GRAPHENE FUNCTIONALIZED WITH NTI-ALPHA -FETOPROTEIN MONOCLONAL ANTIBODY, FOR THE DIAGNOSIS OF LIVER CANCER***, President of International Jury MOHD MUSTAFA AL BAKRI ABDOLLAH, PRESIDENT OF Scientific Committee Prof.Dr.Ion Sandu.
451. EUROINVENT, European Exhibition OF Creativity and Innovation **DIPLOMA GOLD MEDAL** to VOICU Ioan Stefan, OPREA Madalina, PANDELE Andreea Madalina, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, MICULESCU Florin, ANTONIAC Iulian, MATES Ileana Mariana, CIOCA Lucian Ionel **for DIALYSIS MEMBRANE WITH THE ABILITY OF CONTROLLED RELEASE OF ACTIVE SUBSTANCES FOR THE CONCOMITANT TREATMENT OF CHRONIC RENAL DYSFUNCTION AND LIVER CANCER AND THE PROCEDURE FOR OBTAINING IT**, President of International Jury MOHD MUSTAFA AL BAKRI ABDOLLAH, PRESIDENT OF Scientific Committee Prof.Dr.Ion Sandu.
452. EUROINVENT, European Exhibition OF Creativity and Innovation **DIPLOMA GOLD MEDAL** to MICULESCU Florin, MICULESCU Marian, COSTOIU Cosmin Mihnea, CHIVU Oana Roxana, BARBU Catalin Alexandru, SEMENESCU Augustin for ***MECHANO ELECTRIC LAUNDRY DRYER***, President of International Jury MOHD MUSTAFA AL BAKRI ABDOLLAH, PRESIDENT OF Scientific Committee Prof.Dr.Ion Sandu
453. **DIPLOMA GOLD**, CORNELIU GRUP, INTERNATIONALEXHIBITION INVENTCOR, 4th EDITION, Deva Romania, awarded for ***MECHANO ELECTRIC LAUNDRY DRYER***, TO MICULESCU FLORIN, MICULESCU MARIAN, COSTOIU MIHNEA COSMIN, CHIVU OANA ROXANA, BARBU CATALIN ALEXANDRU, SEMENESCU AUGUSTIN, National University of Science and Technology POLITEHNICA BUCHAREST, President Associate Professor Comeliu BIRTOK BANEASA, Jury President Professor Aurel Mihail TITU.
454. **WIIPA SPECIAL Award** presented to ULMEANU MIHAELA, DOICIN CRISTIAN VASILE, DAVITOIU DRAGOS, TUNSOIU DANIELA, TUNSOIU NICOLAE, MURZAC ROMAN, PARASCHIV ALEXANDRU, DOICIN IRINA ELENA, SEMENESCU AUGUSTIN, COSTOIU MIHNEA, MATES ILEANA MARIANA **in**



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- recognition of the extraordinary contribution to the research and innovation field*, exhibited at 4th International Exhibition Inventcor, Deva Romania, President Manli Hsieh.
455. ITE, International Invention & Trade Expo London, **Certificate of Appreciation, SPECIAL AWARD**, presented to **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, DOICIN VASILE CRISTIAN, ULMEANU MIHAELA ELENA, CIRSTOIU CATALIN, DOICIN IOANA CRISTINA, MATES ILEANA MARIANA, for *Orthopedic device for the correction of the talipes calcaneos/ talipes calcaneosvalgus Defect*, Project Director Mrs. Dawn Hobbs.
456. ITE, International Invention & Trade Expo London, **Certificate of Appreciation, GOLD AWARD**, presented to **COSTOIU MIHNEA COSMIN**, SEMENESCU AUGUSTIN, DOICIN VASILE CRISTIAN, ULMEANU MIHAELA ELENA, CIRSTOIU CATALIN, DOICIN IOANA CRISTINA, MATES ILEANA MARIANA, for *Orthopedic device for the correction of the talipes calcaneos/ talipes calcaneosvalgus Defect*, Project Director Mrs. Dawn Hobbs.
457. ITE, International Invention & Trade Expo London, **Certificate of Appreciation, GOLD AWARD**, presented to RADU CLAUDIU FIERASCU, VILI PASARE, AUGUSTIN SEMENESCU, **MIHNEA COSMIN COSTOIU**, DAN FLORIN NITOI, CHIVU OANA ROXANA, DRAGOS FLORIN MARCU, IRINA FIERASCU, RALUCA SOMOGHI, for *Composite coating material with anticorrosive and anti-scratching properties*, Project Director Mrs. Dawn Hobbs.
458. ITE, International Invention & Trade Expo London, **Certificate of Appreciation, GOLD AWARD**, presented to VILI PASARE, DAN FLORIN NITOI, AUGUSTIN SEMENESCU, **MIHNEA COSMIN COSTOIU**, OANA ROXANA CHIVU, DRAGOS FLORIN MARCU, RADU CLAUDIU FIERASCU, IRINA FIERASCU, RALUCA SOMOGHI, for *Procedure for obtaining a composite coating with increased durability on a metal surface*, Project Director Mrs. Dawn Hobbs.
459. ITE, International Invention & Trade Expo London, **Certificate of Appreciation, SPECIAL AWARD**, presented to RADU CLAUDIU FIERASCU, VILI NPASARE, AUGUSTIN SEMENESCU, **MIHNEA COSMIN COSTOIU**, DAN FLORIN NITOI, OANA ROXANA CHIVU, DRAGOS FLORIN MARCU, IRINA FIERASCU, RALUCA SOMOGHI, for *Composite coating material with anticorrosive and anti-scratching properties*, Project Director Mrs. Dawn Hobbs.
460. Certificate of Award, this certificate is proudly presented to MARIUS MOGA, AUGUSTIN SEMENESCU, **MIHNEA COSMIN COSTOIU**, Ileana Mariana Mates, Cezar Ionut Calin, Catalin Gheorghe Amza, for the achievement of **GOLD MEDAL**, BY THE INVENTION INNOVATION ENTITLED **SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS**, AT THE 8th Annual edition of the international invention innovation competition in CANADA , Ican 2023, organized by TORONTO INTERNATIONAL SOCIETY OF INNOVATION AND ADVANCED SKILLS TISIAS, HELD ON AUGUST, 26TH 2023, IN TORONTO Canada, , Organizing chairman MOONSUK CHANG, Co-chairman of the Jury Bob Huybrechts.
461. Certificate of Excellence on the occasion of the 4th International Exhibition Inventcor 2023, Deva, Romania, awarded for *Procedure for obtaining a composite coating with increased durability on a metal surface*, to Dan Florin Nitoi, Augustin Semenescu, **Mihnea Cosmin Costoiu**, Dragos Florin Marcu, Oana

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- Roxana Chivu, Radu Claudiu Fierascu, Irina Fierascu, Raluca Somoghi, Vili Pasare, Mayor of Deva Municipality Nicolae Florin Oancea, Director of the cultural Center Cristian Fodor.
462. Budi Uzor, Inova Croatia, Special Award, VILI PASARE, DAN FLORIN NITOI, AUGUSTIN SEMENESCU, MIHNEA COSMIN COSTOIU, OANA ROXANA CHIVU, DRAGOS FLORIN MARCU, RADU CLAUDIU FIERASCU, IRINA FIERASCU, RALUCA SOMOGHI, for *Procedure for obtaining a composite coating with increased durability on a metal surface*, Zagreb 2023.
463. Certificate of achievement, this certificate is proudly presented to National University of Science and Technology Politehnica Bucharest VILI PASARE, DAN FLORIN NITOI, AUGUSTIN SEMENESCU, MIHNEA COSMIN COSTOIU, OANA ROXANA CHIVU, DRAGOS FLORIN MARCU, RADU CLAUDIU FIERASCU, IRINA FIERASCU, RALUCA SOMOGHI, for the achievement of **GOLD MEDAL** IN RECOGNITION OF *Procedure for obtaining a composite coating with increased durability on a metal surface*, exhibited at INNOVERSE Innovation & Invention Expo 2023, President of Jury Prof. Andrei Victor SANDU, executive director John Nik.
464. Certificate of achievement, this certificate is proudly presented to National University of Science and Technology Politehnica Bucharest COSTOIU MIHNEA COSMIN, SEMENESCU AUGUSTIN, DOICIN VASILE CRISTIAN, ULMEANU MIHAELA ELENA, CIRSTOIU CATALIN, DOICIN IOANA CRISTINA, MATES ILEANA MARIANA, for the achievement of **GOLD MEDAL** IN RECOGNITION OF *Orthopedic device for the correction of the talipes calcaneos/ talipes calcaneosvalgus Defect* exhibited at INNOVERSE Innovation & Invention Expo 2023, President of Jury Prof. Andrei Victor SANDU, executive director John Nik.
465. Certificate of achievement, this certificate is proudly presented to National University of Science and Technology Politehnica Bucharest to RADU CLAUDIU FIERASCU, VILI PASARE, AUGUSTIN SEMENESCU, MIHNEA COSMIN COSTOIU, DAN FLORIN NITOI, CHIVU OANA ROXANA, DRAGOS FLORIN MARCU, IRINA FIERASCU, RALUCA SOMOGHI, for the achievement of **GOLD MEDAL** IN RECOGNITION OF *Composite coating material with anticorrosive and anti-scratching properties* exhibited at INNOVERSE Innovation & Invention Expo 2023, President of Jury Prof. Andrei Victor SANDU, executive director John Nik.