



Curriculum vitae Europass



Informații personale	
Nume / Prenume	VLĂDUȚ Nicolae-Valentin
E-mail(uri)	
Naționalitate(-tăți)	
Data nașterii	
Locul nașterii (loc, județ)	
Stare civilă	
Experiența profesională <i>(în ordine invers cronologică)</i>	
Perioada	12.2016 – prezent
Funcția sau postul ocupat	Director General
Activități și responsabilități principale	Coordonarea din punct de vedere administrativ a activității din cadrul INMA București
Numele și adresa angajatorului	INMA București, Bd. Ion Ionescu de la Brad nr. 6, sect.1, București
Tipul activității sau sectorul de activitate	Cercetare
Perioada	05.2013 - 12.2016
Funcția sau postul ocupat	Director Științific
Activități și responsabilități principale	Coordonarea din punct de vedere științific a activității de cercetare din cadrul INMA București
Numele și adresa angajatorului	INMA București, Bd. Ion Ionescu de la Brad nr. 6, sect.1, București
Tipul activității sau sectorul de activitate	Cercetare
Perioada	2005 - 2012
Funcția sau postul ocupat	Șef Departament Încercări
Activități și responsabilități principale	Coordonarea științifică și administrativă a activității personalului din cadrul departamentului
Numele și adresa angajatorului	INMA București, Bd. Ion Ionescu de la Brad nr. 6, sect.1, București
Tipul activității sau sectorul de activitate	Cercetare
Perioada	1998-2005
Funcția sau postul ocupat	Cercetător
Activități și responsabilități principale	Proiecte de cercetare (testare echipamente și mașini agricole); Responsabil încercări: determinarea performanțelor, siguranței și securității muncii pentru mașini de recoltat, echipamente de prelucrat solul, fertilizat, irigat, stropit și erbicidat, morărit, industria alimentară, etc.
Numele și adresa angajatorului	INMA București, Bd. Ion Ionescu de la Brad nr. 6, sect.1, București
Tipul activității sau sectorul de activitate	Cercetare
Educație și formare	<i>in ordine invers cronologică, se vor trece și cele mai importante studii post-universitare, post-doctorale, Burse studii, Stagii lucru</i>
Perioada	2023
Calificarea / diploma obținută	INGINERIE MECANICA / Certificat de Abilitare Începând din 2024 – Conducător Doctorat afiliat Școlii de Doctorat a Facultății de Ingineria Sistemelor Biotehnice
Disciplinele principale studiate / competențe profesionale dobândite	TEZĂ DE ABILITARE

Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea Națională de Știință și Tehnologie POLITEHNICA București
Perioada	1998 - 2004
Calificarea / diploma obținută	INGINERIE MECANICA / Diploma Doctor
Disciplinele principale studiate / competențe profesionale dobândite	Mecanică / Mașini de Recoltat / Prelucrarea datelor experimentale
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea „POLITEHNICA” din București
Perioada	1998 - 1999
Calificarea / diploma obținută	Managementul Sistemelor Biotehnice / Diplomă STUDII APROFUNDATE
Disciplinele principale studiate / competențe profesionale dobândite	Management, Sisteme Biotehnice, Sisteme de asigurarea calității
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea „POLITEHNICA” din București
Perioada	1997 - 1998
Calificarea / diploma obținută	Cercetare, Proiectare și Testare Asistată de Calculator / Diplomă STUDII APROFUNDATE
Disciplinele principale studiate / competențe profesionale dobândite	Principii de proiectare, Analiză cu elemente finite
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea „POLITEHNICA” din București
Perioada	1992 - 1997
Calificarea / diploma obținută	Inginer Mecanic / Diplomă de INGINER
Disciplinele principale studiate / competențe profesionale dobândite	Mecanică, Rezistență, Organe de Mașini, Termotehnică, Mașini de prelucrat solul, Mașini de Recoltat, Sisteme Hidraulice, Sisteme de Propulsie, Sisteme de automatizare
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea „POLITEHNICA” din București
Membru al unei Academii din România	Academia de Științe Agricole și Silvici "Gheorghe Ionescu-Șișești" (ASAS) / Membru asociat din 2018
Membru al unei Academii din străinătate	-
Membru al unor organizații științifice sau profesionale	<ol style="list-style-type: none"> 1. SIMAR - Societatea Inginerilor Mecanici Agricoli din România / București / Secretar general / 2010; 2. EurAgEng - European Society of Agricultural Engineers / Belgia / Bruxelles / membru / 2013; 3. CIGR - International Commission of Agricultural and Biosystems Engineering / SUA / Gainesville / membru / 2013; 4. AGIR - Asociația Inginerilor din România / București / membru / 2013.
Membru în Comitetul științific de organizare a unei manifestări științifice	<p>Se vor preciza: perioada, tipul manifestării, instituții organizatoare, unde a avut loc [țara, oraș] – eventual dacă a fost și conducătorul manifestării [principalul organizator]</p> <ol style="list-style-type: none"> 1. ISB-INMA TEH - International Symposium „AGRICULTURAL AND MECHANICAL ENGINEERING” / 2011-2025 / simpozion internațional / România - București / principal organizator; 2. SIMI - Simpozionul Internațional “Mediul și Industria” / 2018-2024 / simpozion internațional / România – București / membru în Comitetul Științific 3. MCEME - International Scientific and Theoretical Conference "Modeling and Computer Engineering in Mechanical Engineering: Theory, Practice and Innovation" / 2023-2025 / simpozion internațional / Ucraina – Lyov / membru in Editorial board; 4. HERVEX - “The International Conference on Hydraulics, Pneumatics, Sealing Elements, Precision Mechanics, Tools, Specific Electronic Equipment & Mechatronics” / 2016-2025 / simpozion internațional / România – Băile Govora / membru în Comitetul de Program / Organizare / co-organizator; 5. International Symposium "ACTUAL TASKS ON AGRICULTURAL ENGINEERING" / 2016-2025 / simpozion internațional / Croatia – Opatija / membru în Comitetul Științific / co-organizator; 6. EE & AE - International Conference on Energy Efficiency & Agricultural Engineering / 2013-2025 / Conferință internațională / Bulgaria – Ruse (Stare Zagora – 2025) / membru în Comitetul de Program; 7. International Congress of the New Approaches and Technologies for Sustainable Development / 2017-2018 / Congres Internațional / Turcia - Isparta / membru în Comitetul de program;

	<p>8. IWCB - 3RD ASM Workshop of Composting and Biogas Technologies / 2017-2018 / Workshop Internațional / Turcia - Antalia / membru în Comitetul de program;</p> <p>9. ICAE - 4RD International Congress of Agriculture and Environment / 2017-2018 / Congres Internațional / Turcia - Antalia / membru în Comitetul de program;</p> <p>10. ECOLOGICA - International Scientific Conference on "ENVIRONMENT AND BIODIVERSITY" / 2012-2019 / Conferință Internațională / Belgrad – Serbia / membru în Comitetul de program;</p> <p>11. TE-RE-RD - International Conference on Thermal Equipment, Renewable Energy and Rural Development / 2016-2021 / membru în Comitetul de organizare / științific / co-organizator;</p> <p>12. Scientific Symposium with International Participation „Sustainable Development in Agriculture and Horticulture / 2016-2021 / Simpozion internațional / România – Craiova / membru în Comitetul Științific;</p> <p>13. International Conference „RESEARCH PEOPLE AND ACTUAL TASKS ON MULTIDISCIPLINARY SCIENCES” / 2007-2019 / Conferință Internațională / Bulgaria - Lozenec, Bulgaria / Membru în Comitetul de organizare/științific / co-organizator;</p> <p>14. ISAE - International Symposium on Agricultural Engineering / 2013 / 2015 / Simpozion Internațional / Serbia – Belgrade/Zemun / Membru în Comitetul Științific;</p> <p>15. IV International Scientific-Practical Conference „INNOVATIVE TECHNOLOGIES IN THE AGRO-INDUSTRIAL COMPLEX / 2014 / Conferință Internațională / Ucraina – Lutsk / Membru în Comitetul de Program.</p>
Membru in Colegiul de redacție / referent al unei reviste	<p>Se vor preciza: titlul revistei, editura, ISSN, factor de impact al revistei, frecvența de apariție – eventual dacă conduceți chiar dvs. revista</p> <p>1. ACTA TECHNICA CORVINIENSIS - BULLETIN OF ENGINEERING, Editura Universității Politehnica Timișoara, ISSN: 2067-3809, 4 numere/an;</p> <p>2. ANNALS OF FACULTY ENGINEERING HUNEDOARA – INTERNATIONAL JOURNAL OF ENGINEERING, Editura Universității Politehnica Timișoara, ISSN: 2067-3809, 4 numere/an;</p> <p>3. INMATEH - AGRICULTURAL ENGINEERING, Editura INMA București, ISSN: 2068 – 4215, 3 numere/an;</p> <p>4. HUNGARIAN AGRICULTURAL ENGINEERING, Editura Universității Ungare de Agricultură și Științele Vieții – Institutul de Tehnologie, ISSN 2415-9751, 1 număr/an;</p> <p>5. BLACK SEA JOURNAL OF AGRICULTURE, Editura DergiPark AKADEMIK Turcia, ISSN 2618-6578, 6 numere/an;</p> <p>6. "AGRICULTURAL MACHINES" Journal (ACM), Editura Universității Tehnice Naționale din Lutsk / Ucraina, ISSN 2708-9754, 1 număr/an;</p> <p>7. ANNALS OF THE UNIVERSITY OF CRAIOVA - Agriculture, Montanology, Cadastre Series, Editura Universitaria Craiova, ISSN 1841-8317, 1 număr/an;</p> <p>8. TRACTORS AND POWER MACHINES, Editura SCIENTIFIC SOCIETY OF POWER MACHINES, TRACTORS AND MAINTENANCE Novi Sad / Serbia; ISSN 0354-9496, 4 numere/an;</p> <p>9. ECOLOGICA, Editura SCIENTIFIC AND PROFESSIONAL SOCIETY FOR ENVIRONMENTAL PROTECTION OF SERBIA, ISSN 0354 – 3285, 4 numere/an;</p> <p>10. TECHNOMARKET – Agrotehnica, Editura ArtTech București; ISSN: 2537-3692, 3 numere/an;</p> <p>11. AGRI-INMA - Sustainable Agriculture and Environmental Protection, Editura INMA București, ISSN 3008-4415, 2 numere/an, Editor Executiv;</p> <p>12. AGRICULTURE, Editura MDPI, ISSN: 2077-0472, 12 numere/an;</p> <p>13. Romanian Journal of HORTICULTURE, Editura Societății Române de Horticultură, ISSN: 2734 – 8083; 1 număr/an.</p>
PREMII INTERNAZIONALE	<p>Se vor preciza: titlul premiului, instituția care a acordat și anul premierii</p> <p>1. Diploma și Medalia de Aur - PNEU ADAPTIV PENTRU ROTI DE REMORCI AGRICOLE, International Exhibition INVEST – INVENT Iași, 19-20 octombrie 2015;</p> <p>2. Diploma și Medalia de Aur - SISTEM DE POZIȚIONARE A OBSTACOLELOR LA TESTAREA REMORCILOR ȘI SEMIREMORCILOR, International Exhibition INVEST – INVENT Iași, 19-20 octombrie 2015;</p> <p>3. Diploma și Medalia de Argint - SISTEM INTEGRAT ȘI PROCEDU DE OBȚINERE EXTRACTE CU ROL BIOFERTILIZATOR / BIOINSECTICID FOLIAR ÎN AGRICULTURA ECOLOGICĂ, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timisoara, 11-13.06.2015;</p> <p>4. Diploma de Excelență - INSTALAȚIE DE BIOGAZ PENTRU MICROFERME AGRICOLE, Salonul INVENTICA, Baia Mare, 28 – 29 mai 2015;</p> <p>5. Diploma și Medalia de Bronz - TAMBUR CU LAME REGLABILE PENTRU DISTRUS RESTURI VEGETALE, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timisoara, 05.2016;</p> <p>6. Diploma și Medalia de Aur - PNEU ADAPTIV PENTRU ROTI DE REMORCI AGRICOLE, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timisoara, 05.2016;</p> <p>7. Diploma de Excelență - DISPOZITIV PENTRU MONTAT CUPLE DE FIXARE MATRIȚE EXTRUDER, National Exhibition of Research and Innovation - UGAL INVENT, Galați, 10.2017;</p> <p>8. Medalia de Argint - SISTEM INTEGRAT ȘI PROCEDU DE OBȚINERE EXTRACTE CU ROL BIOFERTILIZATOR / BIOINSECTICID FOLIAR ÎN AGRICULTURA ECOLOGICĂ, National Exhibition of Research and Innovation - UGAL INVENT, Galați, 10.2017;</p> <p>9. Diploma de Excelență - SISTEM INTEGRAT ȘI PROCEDU DE OBȚINERE EXTRACTE CU ROL BIOFERTILIZATOR / BIOINSECTICID FOLIAR ÎN AGRICULTURA ECOLOGICĂ, National Exhibition of Research and Innovation - UGAL INVENT, Galați, 10.2017;</p> <p>10. Diploma și Medalia de Bronz - DISPOZITIV PENTRU MONTAT CUPLE DE FIXARE MATRIȚE EXTRUDER, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timisoara, 06.2017;</p> <p>11. Diploma și Medalia de Argint - ELEMENT SUPLEMENTAR PENTRU ORGANUL ACTIV TIP DALTĂ AL ECHIPAMENTULUI DE LUCRAT SOLUL, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timisoara, 06.2017;</p> <p>12. Diploma de Excelență - METODĂ PENTRU DETERMINAREA INTENSITĂȚII LINIARE A UZĂRII ORGANULUI ACTIV TIP DALTĂ AL ECHIPAMENTULUI, International Exhibition of Scientific Research, Innovation and Inventions PRO INVENT Cluj-Napoca, Romania, 03.2018;</p>

13. Diploma de Excelență și Medalia de Aur - *ELEMENT SUPLEMENTAR PENTRU ORGANUL ACTIV TIP DALTA AL ECHIPAMENTULUI DE LUCRAT SOLUL*, International Exhibition of Scientific Research, Innovation and Inventions PRO INVENT Cluj-Napoca, 03.2018;

14. Medalia de Aur - *METODĂ PENTRU DETERMINAREA INTENSITĂȚII LINIARE A UZĂRII ORGANULUI ACTIV TIP DALTA AL ECHIPAMENTULUI*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 06.2018;

15. DIPLOMĂ DE MERIT – PENTRU REZULTATELE DEOSEBITE OBTINUTE LA SALONUL INTERNAȚIONAL DE INVENȚII DE LA GENEVA, Ministerul Cercetării și Inovării, 4.04.2019;

16. Diploma de Excelență și Medalia INVENTICA – *MODUL PENTRU PRECURĂȚIREA SEMINTELOR DE LEGUME*, XXIII-th International Exhibition of Inventics - INVENTICA Iași, Romania, 06.2019;

17. Diploma de Excelență și Medalia INVENTICA - *ELEMENT SUPLEMENTAR PENTRU ORGANUL ACTIV TIP DALTA AL ECHIPAMENTULUI DE LUCRAT SOLUL*, XXIII-th International Exhibition of Inventics - INVENTICA Iași, Romania, 06.2019;

18. Diploma de Excelență și Medalia INVENTICA - *METODĂ PENTRU DETERMINAREA INTENSITĂȚII LINIARE A UZĂRII ORGANULUI ACTIV TIP DALTA AL ECHIPAMENTULUI*, XXIII-th International Exhibition of Inventics - INVENTICA Iași, Romania, 06.2019;

19. Diploma de Excelență și Medalia INVENTICA - *ECHIPAMENT PENTRU PLANTAT TUBERCULI DE TOPINAMBUR*, XXIII-th International Exhibition of Inventics - INVENTICA Iași, Romania, 06.2019;

20. Diploma de Excelență și Medalia PRO INVENT – *MODUL PENTRU PRECURĂȚIREA SEMINTELOR DE LEGUME*, International Exhibition of Scientific Research, Innovation and Inventions PRO INVENT Cluj-Napoca, Romania, 03.2019;

21. Diploma de Excelență și Medalia PRO INVENT - *INSTALAȚIE PENTRU PRESARE TULPINI DE SORG*, International Exhibition of Scientific Research, Innovation and Inventions PRO INVENT Cluj-Napoca, Romania, 03.2019;

22. Diploma și Medalia de Bronz - *SORGHUM STEM PRESS*, 11 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, 05.2019;

23. Diploma și Medalia de Argint - *SORGHUM – IMPORTANCE AND TECHNOLOGY*, 11 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, 05.2019;

24. Medalia de Argint - *SYSTÈME INTÉGRÉ ET PROCÉDÉ D'EXTRACTION AVEC FOLIAIRE BIOFERTILISANT / BIO-INSECTICIDE RÔLE DANS L'AGRICULTURE BIOLOGIQUE*, Salon International des Inventions, Genève, Switzerland, 04.2019;

25. Premiul ARCA (Union of Croatian Inovators) - *INTEGRATED SYSTEM AND EXTRACTION PROCESS WITH FOLIAR BIOFERTILIZER / BIOINSECTICIDE ROLE IN ORGANIC AGRICULTURE*, International Innovation Exhibitions, Geneva, Switzerland, 04.2019;

26. Medalia de Aur - *TEHNOLOGIE DE MUTIPICARE A SEMINȚEI LA SOIUL BREVETAT DE CÂNEPĂ MONOICA SECUIENI - JUBILEU*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 06.2019;

27. Medalia de Aur - *INSTALAȚIE PENTRU PRESARE TULPINI DE SORG*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 06.2019;

28. Medalia de Argint - *ECHIPAMENT PENTRU PLANTAT TUBERCULI DE TOPINAMBUR*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 06.2019;

29. Medalia de Aur - *SORGUL - IMPORTANȚĂ ȘI TEHNOLOGIE*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 06.2019;

30. Medalia de Argint - *SISTEM DE CUPLARE ȘI REGLARE A DISTANȚEI DINTRE VALȚURILE RIFLUIE ACȚIONATE CU MUȘCHI ARTIFICIALI FLUIDICI*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 06.2019;

31. Asociația „JUSTIN CAPRĂ” - Diploma de Excelență - *SISTEM DE CUPLARE ȘI REGLARE A DISTANȚEI DINTRE VALȚURILE RIFLUIE ACȚIONATE CU MUȘCHI ARTIFICIALI FLUIDICI*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 06.2019;

32. Medalia de Bronz - *DISPOZITIV SUPLEMENTAR DE PRESARE COMPOST*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 06.2019;

33. Asociația „JUSTIN CAPRĂ” - Diploma de Excelență – *ECHIPAMENT PENTRU PLANTAT TUBERCULI DE TOPINAMBUR*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 06.2019;

34. Asociația „JUSTIN CAPRĂ” - Diploma de Excelență - *INSTALAȚIE PENTRU PRESARE TULPINI DE SORG*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 06.2019;

35. Diploma și Medalia de Bronz - *SORGUL ZAHARAT: O ALTERNATIVĂ PENTRU AGRICULTURA ROMÂNIEI*, National Exhibition of Research and Innovation - UGAL INVENT, Galați, 16-18.10.2019;

36. Asociația „JUSTIN CAPRĂ” - Diploma de Excelență - *SORGUL ZAHARAT: O ALTERNATIVĂ PENTRU AGRICULTURA ROMÂNIEI*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 06.2019;

37. Diplomă – *C2020 – UN CULTIVAR DE CÂNEPĂ MONOICĂ MARCA SCDA Secuieni*, National Exhibition of Research and Innovation - UGAL INVENT, Galați, 16-18.10.2019;

38. Asociația „JUSTIN CAPRĂ” - Diploma de Excelență - *C2020 – UN CULTIVAR DE CÂNEPĂ MONOICĂ MARCA SCDA Secuieni*, National Exhibition of Research and Innovation - UGAL INVENT, Galați, 16-18.10.2019;

39. Diplomă și Medalia de bronz - *SISTEM DE AGITARE REGLABIL PENTRU RECIPIENTE DE BIOGAZ*, Expoziția Internațională de invenții INFOINVENT Chișinău, 20 – 23.11.2019;

40. Universitatea POLITEHNICA din București – Medalia de Aur & DIPLOMA pentru INVENȚIA - *SISTEM DE AGITARE REGLABIL PENTRU RECIPIENTE DE BIOGAZ*, Expoziția Internațională de invenții INFOINVENT Chișinău, 20 – 23.11.2019;

41. Universitatea POLITEHNICA din București – Medalia de Aur & DIPLOMA pentru INVENȚIA - *INSTALAȚIE FOTOVOLTAICĂ REGLABILĂ*, Expoziția Internațională de invenții INFOINVENT Chișinău, 20 – 23.11.2019;

42. Medalia de Argint - *THE NUTRITIONAL INFLUENCE OF PUMPKIN POWDER USED AS A SOURCE OF BIOACTIVE COMPOUNDS IN BREAD*, International Fair for Innovation in Agriculture, Food Industry and Agricultural Mechanization - Agro ARCA, 25-27 April 2019, Karlovac, Croatia;

43. Medalia de Argint - *THE NUTRITIONAL INFLUENCE OF HELIANTHUS TUBEROSUS FLOUR USED AS A SOURCE OF BIOACTIVE COMPOUNDS IN BREAD*, International Fair for Innovation in Agriculture, Food Industry and Agricultural Mechanization - Agro ARCA, 25-27 April 2019, Karlovac, Croatia;

44. Diploma de Excelență și Medalia INVENTICA – *INDUSTRIAL INSTALLATION FOR WASHING THE JERUSALEM ARTICHOKE*, XXIV-th International Exhibition of Inventics - INVENTICA Iași, Romania, 29-31.07.2020;

45. Diploma de Excelență și Medalia INVENTICA – *ADJUSTABLE PHOTOVOLTAIC INSTALLATION*, XXIV-th International Exhibition of Inventics - INVENTICA Iași, Romania, 29-31.07.2020;

46. Diploma de Excelență și Medalia INVENTICA – *DISTILLATION VESSEL TEMPERATURE UNIFORMITY SYSTEM*, XXIV-th International Exhibition of Inventics - INVENTICA Iași, Romania, 29-31.07.2020;

47. Medalia de Aur – *INSTALAȚIE INDUSTRIALĂ PENTRU SPĂLAREA TOPINAMBURULUI*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 15.10.2020;

48. Medalia de Argint – *ECHIPAMENT DE REALIZAT BRAZDE COMPARTIMENTATE*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 15.10.2020;

49. Medalia de Aur – *SYSTEM FOR INCREASING PERFORMANCE OF A DISTILLATION VESSEL*, IDEA ~ EXPO 2020 IDEA, Novetly, Invention, International Exhibition and Fair, Hódmezővásárhely, Hungary, 31.10.2020;

50. Medalia de Aur - *INDUSTRIAL INSTALLTION FOR WASHING THE JERUSALEM ARTICHOKE*, IDEA ~ EXPO 2020 IDEA, Novetly, Invention, International Exhibition and Fair, Hódmezővásárhely, Hungary, 31.10.2020;

51. Medalia de Aur – *METHODS FOR IMPROVING AGRICULTURAL SOILS CONTAMINATED WITH HEAVY METALS*, IDEA ~ EXPO 2020 IDEA, Novetly, Invention, International Exhibition and Fair, Hódmezővásárhely, Hungary, 31.10.2020;

52. Medalia de Aur – *ADJUSTABLE PHOTOVOLTAIC INSTALLATION*, IDEA ~ EXPO 2020 IDEA, Novetly, Invention, International Exhibition and Fair, Hódmezővásárhely, Hungary, 31.10.2020;

53. Medalia de Argint – *METHOD FOR THE ADVANCED TREATMENT OF LIVESTOCK WASTEWATER*, Perus Interenational Engineering Invention & Innovation Exhibition [Pi-ENVEX] 2020, 18-21 May, University Malaysia Perus, Malaysia;

54. Diploma de Excelență și MEDALIA DE AUR – *SISTEM DE CREȘTERE A PERFORMANTELOR UNUI VAS DE DISTILARE*, International Exhibition of Scientific Research, Innovation and Inventions PRO INVENT Cluj-Napoca, Ediția XVIII, 18-20.11.2020, România;

55. Diploma de Excelență și MEDALIA DE AUR – *ECHIPAMENT DE REALIZAT BRAZDE COMPARTIMENTATE*, International Exhibition of Scientific Research, Innovation and Inventions PRO INVENT Cluj-Napoca, Ediția XVIII, 18-20.11.2020, România;

56. Diploma de Excelență și MEDALIA DE AUR – *METODĂ DE ÎMBUNĂȚĂȚIRE A SOLURILOR AGRICOLE CONTAMINATE CU METALE GRELE*, International Exhibition of Scientific Research, Innovation and Inventions PRO INVENT Cluj-Napoca, Ediția XVIII, 18-20.11.2020, România;

57. Diploma de Excelență și MEDALIA DE AUR – *INSTALAȚIE INDUSTRIALĂ PENTRU SPĂLAREA TOPINAMBURULUI*, International Exhibition of Scientific Research, Innovation and Inventions PRO INVENT Cluj-Napoca, Ediția XVIII, 18-20.11.2020, România;

58. Diploma și MEDALIA DE AUR – *METHOD FOR IMPROVING AGRICULTURAL SOILS CONTAMINATED WITH HEAVY METALS*, International Exhibition INVENTCOR, Deva, 2020, România;

59. Diploma și MEDALIA DE ARGINT – *NOVEL TECHNOLOGIES USED FOR INCREASING THE PERFORMANCES OF COMPOSTING WASTES AND BY-PRODUCTS RESULTED FROM AGRICULTURE*, International Exhibition INVENTCOR, Deva, 2020, România;

60. Diploma și MEDALIA DE ARGINT – *NOVEL TECHNOLOGIES FOR OBTAINING BIOETHANOL FROM ENERGY PLANTS AND FRUIT WASTES*, International Exhibition INVENTCOR, Deva, 2020, România;

61. Diploma și Medalia de Aur - *NOVEL TECHNOLOGIES USED FOR INCREASING THE PERFORMANCES OF COMPOSTING WASTES AND BY-PRODUCTS RESULTED FROM AGRICULTURE*, 13 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iași, ONLINE 22.05.2021;

62. Diploma și Medalia de Aur – *INDUSTRIAL PLANT FOR JERUSALEM ARTICHOKE WASHING*, 13 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iași, ONLINE 22.05.2021;

63. Diploma și Medalia de Argint – *ECOLOGICAL CULTIVATION TECHNOLOGY FOR CERTIFIED 1 SEED PRODUCTION AT MONOECIOUS HEMP VARIETISE PATENTED BY ARDS SECUIENI*, 13 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iași, ONLINE 22.05.2021;

64. Diploma și Medalia de Argint – *CULTIVATION TECHNOLOGY AND INDUSTRIAL POTENTIAL FOR CAPITALIZATION AT THE ROMANIAN GENOTYPES OF MONOECIOUS HEMP FOR SEED, REGISTERED IN THE EUROPEAN CATALOGUE OF PLANT VARIETIES*, 13 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iași, ONLINE 22.05.2021;

65. Diploma și Medalia de Argint – *ADVANCED TREATMENT PROCESS OF WASTEWATER FROM LIVESTOCK FARMS* – EpurAgroTech/EchO, 13 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iași, ONLINE 22.05.2021;

66. Diploma de Excelență – *SWEET SORGHUM: AN ALTERNATIVE FOR ROAMANIAN AGRICULTURE*, 13 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iași, ONLINE 22.05.2021;

67. Diploma de Excelență „EUROINVENT BOOK SALON” – *BAZELE AGROBIOLOGICE ALE CULTURII DE FASOLE MARE (Phaseolus coccineus L.)*, 13 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iași, 22.05.2021;

68. Diploma de Excelență și Medalia de Aur – *NOVEL TECHNOLOGIES FOR OBTAINING BIOETHANOL FROM ENERGY PLANTS AND FRUIT WASTES*, XXV-th International Exhibition of Inventics - INVENTICA Iași, Romania, 23-25 June 2021;

69. Diploma de Excelență și Medalia de Argint – *EQUIPMENT FOR MAKING INTERRUPTED FURROWS*, XXV-th International Exhibition of Inventics - INVENTICA Iași, Romania, 23-25 June 2021;

70. Diploma de Excelență și Medalia de Argint – *METHODS FOR IMPROVING AGRICULTURAL SOILS CONTAMINATED WITH HEAVY METALS*, XXV-th International Exhibition of Inventics - INVENTICA Iași, Romania, 23-25 June 2021;

71. Medalia de Aur – *EQUIPMENT FOR MAKING INTERRUPTED FURROWS*, IDEA ~ EXPO 2021 IDEA, Novetty, Invention, International Exhibition and Fair, Hódmezővásárhely, Hungary, 17-18.09.2021;

72. Medalia de Aur – *METHODS FOR IMPROVING AGRICULTURAL SOILS CONTAMINATED WITH HEAVY METALS*, IDEA ~ EXPO 2021 IDEA, Novetty, Invention, International Exhibition and Fair, Hódmezővásárhely, Hungary, 17-18.09.2021

73. Medalia de Aur – *NOVEL TECHNOLOGIES FOR OBTAINING BIOETHANOL FROM ENERGY PLANTS AND FRUIT WASTES*, IDEA ~ EXPO 2021 IDEA, Novetty, Invention, International Exhibition and Fair, Hódmezővásárhely, Hungary, 17-18.09.2021;

74. Medalia de Aur – *NOVEL TECHNOLOGIES USED FOR INCREASING THE PERFORMANCES OF COMPOSTING WASTES AND BY-PRODUCTS RESULTED FROM AGRICULTURE*, IDEA ~ EXPO 2021 IDEA, Novetty, Invention, International Exhibition and Fair, Hódmezővásárhely, Hungary, 17-18.09.2021;

75. Certificat de Apreciere – *Vlăduț V.*, IDEA ~ EXPO 2021 IDEA, Novetty, Invention, International Exhibition and Fair, Hódmezővásárhely, Hungary, 17-18.09.2021;

76. Medalia de Aur – *SISTEM DE CREȘTERE A PERFORMANȚELOR UNUI VAS DE DISTILARE*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 14.10.2021;

77. Medalia de Aur – *TEHNOLOGIE ȘI ECHIPAMENT DE MONITORIZARE ACTIVĂ ȘI COLECTARE A DEȘEURILOR DIN PLASTIC DIN SISTEME ACVACOLE AFLATE ÎN AER LIBER*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 14.10.2021;

78. Medalia de Aur – *METODĂ DE ÎMBUNĂTĂȚIRE A SOLURILOR AGRICOLE CONTAMINATE CU METALE GRELE*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 14.10.2021;

79. Medalie de Aur – *INSTALAȚIE FOTOVOLTAICĂ REGLABILĂ*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 14.10.2021;

80. Medalie de Argint – *TEHNOLOGIE DE CREȘTERE SEMIINTENSIVĂ A SPECIILOR PISCICOLE ÎN REGIM DE POLICULTURĂ*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 14.10.2021;

81. Medalie de Bronz – *OBȚINEREA DE BIOETANOL DIN PLANTE ENERGETICE ȘI DEȘEURI DIN FRUCTE*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 14.10.2021;

82. Medalie de Bronz – *TEHNOLOGII NOI UTILIZATE ÎN VEDEREA VALORIFICĂRII LA EFICIENȚĂ CRESCUTĂ A UNOR DEȘEURI ȘI SUPRODUSE REZULTATE DIN AGRICULTURĂ, SUB FORMĂ DE COMPOST*, International Exhibition of Inventions and Innovations "TRAIAN VUIA", Timișoara, 14.10.2021;

83. Diploma de Excență și MEDALIA de Argint – *ELEMENT SPIRĂ PENTRU SITĂ CILINDRICĂ*, International Exhibition of Scientific Research, Innovation and Inventions PRO INVENT Cluj-Napoca, Ediția XIX, 20-22.10.2021, România;

84. Diploma & Medalia de Aur – *COIL ELEMENT FOR CYLINDRICAL SIEVE*, International Exhibition INVENTCOR, IInd edition, 16-18.12.2021, Deva, România;

85. Diploma & Medalia de Aur – *TECHNOLOGY AND EQUIPMENT FOR ACTIVE MONITORING AND COLLECTION OF PLASTIC WASTE FROM OUTDOOR ACVACOLE SYSTEMS*, International Exhibition INVENTCOR, IInd edition, 16-18.12.2021, Deva, România;

86. Diploma & Medalia de Aur – *INDUSTRIAL PLANT FOR WASHING JERUSALEM ARTICHOKE*, International Exhibition INVENTCOR, IInd edition, 16-18.12.2021, Deva, România;

87. Diploma & Medalia de Aur – *EQUIPMENT FOR MAKING INTERRUPTED FURROWS*, International Exhibition INVENTCOR, IInd edition, 16-18.12.2021, Deva, România;

88. Diploma & Medalia de Aur – *ADJUSTABLE PHOTOVOLTAIC INSTALLATION*, International Exhibition INVENTCOR, IInd edition, 16-18.12.2021, Deva, România;

89. Diploma & Medalia de Aur – *TEHNOLOGIE ȘI ECHIPAMENT DE MONITORIZARE ACTIVĂ ȘI COLECTARE A DEȘEURILOR DIN PLASTIC DIN SISTEME ACVACOLE AFLATE ÎN AER LIBER*, UGAL INVENT - SALONUL INOVĂRII ȘI CERCETĂRII, 10-12 Noiembrie 2021, Galați – România;

90. Diploma & Medalia de Aur – *COIL ELEMENT FOR CYLINDRICAL SIEVE*, EIS (Expoziția Internațională Specializată) „INFOINVENT”, 17-20.11.2021, Chișinău, Rep. Moldova;

91. Diploma & Medalia de Argint – *TECHNOLOGICAL SYSTEM FOR INTENSIVE FISH BREEDING IN POLY CULTURE REGIME*, EIS (Expoziția Internațională Specializată) „INFOINVENT”, 17-20.11.2021, Chișinău, Rep. Moldova;

92. Diploma & Medalia de Bronz – *NOVEL TECHNOLOGIES USED FOR INCREASING THE PERFORMANCES OF COMPOSTING WASTES AND BY-PRODUCTS RESULTED FROM AGRICULTURE*, EIS (Expoziția Internațională Specializată) „INFOINVENT”, 17-20.11.2021, Chișinău, Rep. Moldova;

93. Diploma și Medalia de Aur – *INDUSTRIAL PLANT FOR JERUSALEM ARTICHOKE WASHING*, SIR INVENT INVEST, Iași, Ed. XII-a, 10.12.2021;

94. Diploma și Medalia de Argint – *COIL ELEMENT FOR CYLINDRICAL SIEVE*, SIR INVENT INVEST, Iași, Ed. XII-a, 10.12.2021;

95. Diploma și Medalia de Argint – *TECHNOLOGY AND EQUIPMENT FOR ACTIVE MONITORING AND COLLECTION OF PLASTIC WASTE FROM OUTDOOR ACVACOLE SYSTEMS*, SIR INVENT INVEST, Iași, Ed. XII-a, 10.12.2021;

96. Diploma și Medalia de Argint – *SYSTEM FOR INCREASING THE PERFORMANCE OF A DISTILLATION VESSEL*, SIR INVENT INVEST, Iași, Ed. XII-a, 10.12.2021;

97. Diploma și PREMIUL pentru Inovare în Piscicultură al Târgului Internațional de invenții și idei practice INVENT – INVEST, *TECHNOLOGICAL SYSTEM FOR INTENSIVE FISH BREEDING IN POLY CULTURE REGIME*, SIR INVENT INVEST, Iași, Ed. XII-a, 10.12.2021;

98. Diploma & Medalia de Aur – *TECHNOLOGY AND EQUIPMENT FOR ACTIVE MONITORING AND COLLECTION OF PLASTIC WASTE FROM OUTDOOR ACVACOLE SYSTEMS*, EUROINVENT, Iași, Ed. XIV-a, 28.05.2022;

99. Diploma & Medalia de Aur – *TECHNOLOGICAL SYSTEM FOR INTENSIVE FISH BREEDING IN POLY CULTURE REGIME*, EUROINVENT, Iași, Ed. XIV-a, 28.05.2022;

100. Diploma de Excelență – *COIL ELEMENT CYLINDRICAL SIEVE, EUROINVENT*, Iași, Ed. XIV-a, 28.05.2022;

101. Diploma & Medalia de Aur – *SORGUL – TEHNOLOGII INOVATIVE DE CULTIVARE ȘI VALORIFICARE, EUROINVENT BOOK SALON*, Iași, Ed. XIV-a, 28.05.2022;

102. Diploma & Medalia de Argint – *CÂNEPA (Cannabis sativa L.) – De la cultivare la valorificare, EUROINVENT BOOK SALON*, Iași, Ed. XIV-a, 28.05.2022;

103. Juliana Dy Award pentru *PhD. Eng. Valentin Nicolae VLĂDUȚ*, General Manager INMA – IDEA 2022, International Exhibition (Idea-Novetly-invention), Szolnok, Hungary, 11.06.2022;

104. Medalia de Aur – *TECHNOLOGIES FOR BIOHUMUS (VERMICOMPOST) PRODUCTION AND LOOSENING*, IDEA 2022, International Exhibition (Idea-Novetly-invention), Szolnok, Hungary, 11.06.2022;

105. Medalia de Aur – *COIL ELEMENT FOR CYLINDRICAL SIEVE*, IDEA 2022, International Exhibition (Idea-Novetly-invention), Szolnok, Hungary, 11.06.2022;

106. Medalia de Aur – *HEMP SEED CONDITIONING EQUIPMENT*, IDEA 2022, International Exhibition (Idea-Novetly-invention), Szolnok, Hungary, 11.06.2022;

107. Medalia de Aur – *TECHNOLOGY AND EQUIPMENT FOR ACTIVE MONITORING AND COLLECTION OF PLATIC WASTE FROM OUTDOOR ACVACOLE SYSTEMS*, IDEA 2022, International Exhibition (Idea-Novetly-invention), Szolnok, Hungary, 11.06.2022;

108. Medalia de Aur – *INTELLIGENT TECHNOLOGICAL SYSTEM FOR INTENSIVE FISH BREEDING IN POLYCULTURE SYSTEM - ICP*, IDEA 2022, International Exhibition (Idea-Novetly-invention), Szolnok, Hungary, 11.06.2022;

109. Medalia de Aur – *INSTALLATION FOR TABLETIZATION OF LIGNOCELLULOSE WASTE- ICP*, IDEA 2022, International Exhibition (Idea-Novetly-invention), Szolnok, Hungary, 11.06.2022;

110. Medalia de Aur – *TEHNOLOGII DE PRODUCERE ȘI AFÂNARE A BIOHUMUSULUI (VERMICOMPOST)*, The XXIVth International Exhibition of INVENTICS - INVENTICA 2022, Iași, Romania, 22-24.06.2022;

111. Medalia de Aur – *ELEMENT SPIRĂ PENTRU SITĂ CILINDRICĂ*, The XXIVth International Exhibition of INVENTICS - INVENTICA 2022, Iași, Romania, 22-24.06.2022;

112. Medalia de Aur – *TECHNOLOGY AND EQUIPMENT FOR ACTIVE MONITORING AND COLLECTION OF PLATIC WASTE FROM OUTDOOR ACVACOLE SYSTEMS*, The XXIVth International Exhibition of INVENTICS - INVENTICA 2022, Iași, Romania, 22-24.06.2022;

113. Medalia de Bronz – *SISTEM TEHNOLOGIC DE CREȘTERE INTENSIVĂ A PEȘTELOR ÎN REGIM DE POLICULTURĂ*, The XXIVth International Exhibition of INVENTICS - INVENTICA 2022, Iași, Romania, 22-24.06.2022;

114. ASOCIAȚIA Justin Capră - DIPLOMA pentru invenția „*ELEMENT SPIRĂ PENTRU SITĂ CILINDRICĂ*”, The XXIVth International Exhibition of INVENTICS - INVENTICA 2022, Iași, Romania, 22-24.06.2022;

115. ASOCIAȚIA Justin Capră - DIPLOMA pentru lucrarea „*TEHNOLOGII DE PRODUCERE ȘI AFÂNARE A BIOHUMUSULUI (VERMICOMPOST)*”, The XXIVth International Exhibition of INVENTICS - INVENTICA 2022, Iași, Romania, 23.06.2022;

116. ASOCIAȚIA Justin Capră - DIPLOMA pentru invenția „*TECHNOLOGY AND EQUIPMENT FOR ACTIVE MONITORING AND COLLECTION OF PLATIC WASTE FROM OUTDOOR ACVACOLE SYSTEMS*”, The XXIVth International Exhibition of INVENTICS - INVENTICA 2022, Iași, Romania, 23.06.2022;

117. ASOCIAȚIA Justin Capră - DIPLOMA pentru invenția „*SISTEM TEHNOLOGIC DE CREȘTERE INTENSIVĂ A PEȘTELOR ÎN REGIM DE POLICULTURĂ*”, The XXIVth International Exhibition of INVENTICS - INVENTICA 2022, Iași, Romania, 23.06.2022;

118. Diploma de Excelență și Medalia de Aur - *APARAT DE TĂIERE PENTRU TULPINI DE CÂNEPĂ DE DIMENSIUNI MARI*, Salonul Internațional al Cercetării Științifice, Inovării și Invenției „PRO INVENT” Ediția XX, 26-28 octombrie 2022, Cluj-Napoca;

119. Diploma de Excelență și Medalia de Aur - *SISTEM AUTOMATIZAT ȘI INDEPENDENT ENERGETIC DE AERARE PENTRU BAZINELE ACVACOLE*, Salonul Internațional al Cercetării Științifice, Inovării și Invenției „PRO INVENT” Ediția XX, 26-28 octombrie 2022, Cluj-Napoca;

120. Diploma de Excelență și Medalia de Aur – *RAMPĂ DE UDARE MOBILĂ UNIVERSALĂ*, Salonul Internațional al Cercetării Științifice, Inovării și Invenției „PRO INVENT” Ediția XX, 26-28 octombrie 2022, Cluj-Napoca;

121. Premiu de Excelență acordat *PhD. Eng. Valentin Nicolae VLĂDUȚ* – *INMA Bucharest* – IDEA Club 13 Association, International Exhibition (Idea-Novetly-invention), Abony, Hungary, 25.09.2022;

122. Medalia de Aur – *CUTTING APPARATUS FOR LARGE HEMP STEMS*, IDEA -2022 Abony (IDEA, Novetly, Invention and craft) - International Exhibition, Hungary, Abony, 25.09.2022;

123. Medalia de Aur – *AUTOMATED AND ENERGY INDEPENDENT VENTILATION SYSTEM FOR AQUATIC POOLS*, IDEA -2022 Abony (IDEA, Novetly, Invention and craft) - International Exhibition, Hungary, Abony, 25.09.2022;

124. Medalia de Aur – *FISH FEED PELLETIZER WITH INTEGRATED SPRAYING KIT FOR ADDED INGREDIENTS*, IDEA -2022 Abony (IDEA, Novetly, Invention and craft) - International Exhibition, Hungary, Abony, 25.09.2022;

125. Diploma & Medalia de AUR – *APARAT DE TĂIERE PENTRU TULPINI DE CÂNEPĂ DE DIMENSIUNI MARI*, Salonul Internațional de INVENȚII și INOVAȚII "TRAIAN VUIA", Timișoara, 10.10.2022;

126. Diploma & Medalia de AUR – *INSTALAȚIE PENTRU TABLETIZAREA DEȘEURILOR LIGON-CELULOZICE*, Salonul Internațional de INVENȚII și INOVAȚII "TRAIAN VUIA", Timișoara, 10.10.2022;

127. Diploma & Medalia de BRONZ – *ECHIPAMENT PENTRU CONDIȚIONAREA SEMINȚELOR DE CÂNEPĂ*, Salonul Internațional de INVENȚII și INOVAȚII "TRAIAN VUIA", Timișoara, 10.10.2022;

128. Diploma & Medalia de Aur – *FISH FEED PELLETIZER WITH INTEGRATED SPRAYING KIT FOR ADDED INGREDIENTS*, International Exhibition INVENTCOR, 3rd edition, 15-17.12.2022, Deva, Romania;

129. Diploma & Medalia de Aur – *CUTTING APPARATUS FOR LARGE HEMP STEMS*, International Exhibition INVENTCOR, 3rd edition, 15-17.12.2022, Deva, Romania;

130. Diploma & Medalia de Aur – *AUTOMATED AND ENERGY INDEPENDENT VENTILATION SYSTEM FOR AQUATIC POOLS*, International Exhibition INVENTCOR, 3rd edition, 15-17.12.2022, Deva, Romania;

131. Diploma & Medalia de Aur – *HEMP SEED CONDITIONING EQUIPMENT*, International Exhibition INVENTCOR, 3rd edition, 15-17.12.2022, Deva, Romania;

132. PREMIU SPECIAL (U.P. Timișoara) - *INSTALAȚIE PENTRU TABLETIZAREA DEȘEURILOR LIGNO-CELULOZICE*, 27th International Exhibition of Inventions „INVENTICA 2023”, Iași, Romania, 21-23 June 2023;

133. DIPLOMA / Certificate of excellence (Asociația Corneliu Group) pentru invenția - *CUTTING APPARATUS FOR LARGE HEMP STEMS*, 27th International Exhibition of Inventions „INVENTICA 2023”, Iași, Romania, 21-23 June 2023;

134. Diploma de Excelență și Medalia de Aur (U.T. Cluj) – *HEMP SEED CONSIGNING EQUIPMENT*, 27th International Exhibition of Inventions „INVENTICA 2023”, Iași, Romania, 21-23 June 2023;

135. Diploma de Excelență și Medalia de Argint – *CUTTING APPARATUS FOR LARGE HEMP STEMS*, 27th International Exhibition of Inventions „INVENTICA 2023”, Iași, Romania, 21-23 June 2023;

136. Diploma de Onoare și Medalia de Aur – *HEMP SEED CONSIGNING EQUIPMENT*, 27th International Exhibition of Inventions „INVENTICA 2023”, Iași, Romania, 21-23 June 2023;

137. Certificat de Excelență acordat *PhD. Eng. Valentin Nicolae VLĂDUȚ (INMA Bucharest)* – *IDEA Club 13 Association, International Exhibition (Idea-Novetly-invention)*, Abony, Hungary, 25.06.2023;

138. Diploma și Medalia de Aur – *AUTOMATED AND ENERGY INDEPENDENT VENTILATION SYSTEM FOR AQUATIC POOLS*, 15 Edition European Exhibition of Creativity Innovation „EUROINVENT”, Iași, Romania, 13 May 2023;

139. Diploma și Medalia de Bronz – *INSTALLATION FOR TABLETING LIGON-CELLULOSIC WASTE*, 15 Edition European Exhibition of Creativity Innovation „EUROINVENT”, Iași, Romania, 13 May 2023;

140. Diploma și Medalia de Excelență în Inovație – *HEMP SEED CONDITIONING EQUIPMENT*, 15 Edition European Exhibition of Creativity Innovation „EUROINVENT”, Iași, Romania, 13 May 2023;

141. Diploma de Excelență (ICPE-CA) – *INSTALLATION FOR TABLETING LIGON-CELLULOSIC WASTE*, 15 Edition European Exhibition of Creativity Innovation „EUROINVENT”, Iași, Romania, 13 May 2023;

142. Certificat de Excelență (UP Timișoara - CITT) – *INSTALLATION FOR TABLETING LIGON-CELLULOSIC WASTE*, 15 Edition European Exhibition of Creativity Innovation „EUROINVENT”, Iași, Romania, 13 May 2023;

143. Diploma și Medalia de Argint (EUROINVENT BOOK SALON) – *BAZELE AGROBIOLOGICE ALE CULTURII DE FASOLE MARE (PHASOLEUS COCCINEUS L.)*, 15 Edition European Exhibition of Creativity Innovation „EUROINVENT”, Iași, Romania, 13 May 2023;

144. Diploma & Medalia de Aur – *METHOD FOR DETERMINING THE SEEDING ACCURACY OF GRASS PLANT SEEDERS*, International Exhibition INVENTCOR, 4th edition, 14-16.09.2023, Deva, Romania;

145. Diploma & Medalia de Aur – *ECO-INNOVATIVE TECHNOLOGY THAT PERFORMS THE BASIC SOIL WORK IN VEGETABLE CROPS WITH TECHNICAL EQUIPMENT PROVIDED WITH CURVED PROFILED SLITTERS*, International Exhibition INVENTCOR, 4th edition, 14-16.09.2023, Deva, Romania;

146. Diploma & Medalia de Aur – *INSTALLATION FOR TABLETING LIGON-CELLULOSIC WASTE*, International Exhibition INVENTCOR, 4th edition, 14-16.09.2023, Deva, Romania;

147. Certificat de Excelență – *Nicolae-Valentin VLĂDUȚ (General Manager)*, International Exhibition INVENTCOR, 4th edition, 14-16.09.2023, Deva, Romania;

148. CERTIFICAT pentru CONTRIBUȚIA LA INOVAȚIE (TECHNOFEST INSTITUTE OF TECHNOLOGY – Belgique & INVENTARIUM SCIENCE - Portugal) – *INSTALLATION FOR TABLETING LIGON-CELLULOSIC WASTE*, International Exhibition INVENTCOR, 4th edition, 14-16.09.2023, Deva, Romania;

149. Diplomă de Excelență și Medalia de AUR – *METODĂ DE SIMULARE A COMPACTĂRII BIOMASEI SUB FORMĂ DE PELETE*, Salonul Internațional al Cercetării Științifice, Inovării și Invenției „PRO INVENT” Cluj-Napoca, 25-27.10.2023;

150. Diplomă de Excelență și Medalia de AUR – *ECHIPAMENT DE LABORATOR PENTRU PRODUCȚIE BIOCHAR DIN RESTURI VEGETALE*, Salonul Internațional al Cercetării Științifice, Inovării și Invenției „PRO INVENT” Cluj-Napoca, 25-27.10.2023;

151. Diplomă de Excelență și Medalia PRO INVENT – *ECHIPAMENT PENTRU CONDIȚIONAREA SEMINTELOR DE CÂNEPĂ*, Salonul Internațional al Cercetării Științifice, Inovării și Invenției „PRO INVENT” Cluj-Napoca, 25-27.10.2023;

152. Diplomă de Excelență și Medalia PRO INVENT – *PELETIZATOR FURAJE PISCICOLE CU KIT INTEGRAT DE ADITIVARE PRIN PULVERIZARE*, Salonul Internațional al Cercetării Științifice, Inovării și Invenției „PRO INVENT” Cluj-Napoca, 25-27.10.2023;

153. Medalia de aur – *SEPARATOR DE PARTICULE CU FLUX RADIAL PENTRU SISTEMELE ACVAPONICE*, Salonul Inovării și Cercetării - UGAL INVENT, Galați, 9-10.11.2023;

154. Medalia de aur – *ECHIPAMENT PENTRU RECOLTAREA CÂNEPII*, Salonul Inovării și Cercetării - UGAL INVENT, Galați, 9-10.11.2023;

155. Medalia de aur – *ECHIPAMENT DE LABORATOR PENTRU PRODUCȚIE DE BIOCHAR DIN RESTURI VEGETALE*, Salonul Inovării și Cercetării - UGAL INVENT, Galați, 9-10.11.2023;

156. Medalia de bronz – *SISTEM AUTOMATIZAT ȘI INDEPENDENT ENERGETIC DE AERARE PENTRU BAZINELE ACVACOLE*, Salonul Inovării și Cercetării - UGAL INVENT, Galați, 9-10.11.2023;

157. Medalia de argint – *EFICIENȚA ECONOMICĂ A UNOR CEREALE SUB INFLUENȚA SCHIMBĂRIILOR CLIMATICE ÎN ZONA CENTRALĂ A MOLDOVEI*, Salonul Inovării și Cercetării - UGAL INVENT, Galați, 9-10.11.2023;

158. Medalia de aur – *JERUSALEM ARTICHOKE – REVALUATION AS BIOMASS SOURCES FOR FOOD AND ENERGY PRODUCTS AND BY-PRODUCTS*, Salonul Inovării și Cercetării - UGAL INVENT, Galați, 9-10.11.2023;

159. Diploma / CERTIFICAT de EXCELENȚĂ – *SISTEM TEHNOLOGIC PENTRU PRODUCEREA FURAJELOR GRANULATE BIO PENTRU PĂSĂRI*, Salonul Inovării și Cercetării - UGAL INVENT, Galați, 9-10.11.2023;

160. Diploma & Medalia de Aur - *ECHIPAMENT DE MONITORIZARE A COLECTĂRII, TOCĂRII ȘI AMBALĂRII DEȘEURILOR DIN PLASTIC DIN MEDIUL MARIN ȘI DE PE SUPRAFAȚA LACURILOR*, Expoziția Internațională Specializată „INFOINVENT”, 22-24.11.2023, Chișinău, Rep. Moldova;

161. Diploma & Medalia de Aur - *ECHIPAMENT DE LABORATOR PENTRU PRODUCȚIE BIOCHAR DIN RESTURI VEGETALE*, Expoziția Internațională Specializată „INFOINVENT”, 22-24.11.2023, Chișinău, Rep. Moldova;

162. Diploma & Medalia de Argint – *SISTEME INTELIGENTE DE MONITORIZARE A CULTURILOR AGRICOLE*, Expoziția Internațională Specializată „INFOINVENT”, 22-24.11.2023, Chișinău, Rep. Moldova;

163. Diploma & Medalia de Argint – *SISTEM TEHNOLOGIC PENTRU PRODUCEREA FURAJELOR GRANULATE BIO PENTRU PĂȘĂRI*, Expoziția Internațională Specializată „INFOINVENT”, 22-24.11.2023, Chișinău, Rep. Moldova;

164. Diploma & Medalia de Bronz – *ECHIPAMENT MOBIL PENTRU PELETIZAREA BIOMASEI AGRICOLE*, EIS (Expoziția Internațională Specializată) „INFOINVENT”, 17-20.11.2021, Chișinău, Rep. Moldova;

165. Diploma & Medalia de Bronz – *MODUL CONTAINERIZAT DE FERMĂ URBANĂ MODULARĂ*, EIS (Expoziția Internațională Specializată) „INFOINVENT”, 17-20.11.2021, Chișinău, Rep. Moldova;

166. Diploma & Medalia de Bronz – *SEPARATOR DE PARTICULE CU FLUX RADIAL PNTRU SISTEMELE ACVAPONICE*, EIS (Expoziția Internațională Specializată) „INFOINVENT”, 17-20.11.2023, Chișinău, Rep. Moldova;

167. Diploma & Medalia de aur – *METHOD FOR SIMULATING BIOMASS COMPACTION IN THE FORM OF PELLETS*, International Exhibition INVENTCOR, 5th edition, 4-6.04.2024, Deva, Romania;

168. Diploma & Medalia de Aur – *LABORATORY EQUIPMENT FOR BIOCHAR PRODUCTION FROM VEGETABLE REMAINS*, International Exhibition INVENTCOR, 5th edition, 4-6.04.2024, Deva, Romania;

169. Diploma & Medalia de Aur – *MODULAR URBAN FARM CONTAINER MODULE*, International Exhibition INVENTCOR, 5th edition, 4-6.04.2024, Deva, Romania;

170. Diploma & Medalia de Aur – *MOBILE EQUIPMENT FOR PELLETING AGRICULTURAL BIOMASS*, International Exhibition INVENTCOR, 5th edition, 4-6.04.2024, Deva, Romania;

171. Diploma & Medalia de Aur – *INTELLIGENT SYSTEM FOR APPLICATION OF PHYTOSANITARY TREATMENTS AND MONITORING OF PRODUCTION IN GREENHOUSES*, International Exhibition INVENTCOR, 5th edition, 4-6.04.2024, Deva, Romania;

172. Diploma & Medalia de Aur – *DIGITAL SYSTEM AND METHOD FOR MONITORING PESTS IN FRUIT CROPS USING SMART PHEROMONE TRAPS AND WEATHER STATIONS*, International Exhibition INVENTCOR, 5th edition, 4-6.04.2024, Deva, Romania;

173. Diploma & Medalia de Aur – *EQUIPMENT FOR MONITORING COLLECTION, CROPPING AND PACKAGING OF MARINE AND LAKE SURFACE PLASTIC WASTE*, International Exhibition INVENTCOR, 5th edition, 4-6.04.2024, Deva, Romania;

174. OSIM - Premiu de Excelență pentru invenția: „*LABORATORY EQUIPMENT FOR BIOCHAR PRODUCTION FROM VEGETABLE REMAINS*”, SALONUL NAȚIONAL INVENTCOR 2024, Ediția a V-a, Deva, 4-6.04.2024;

175. Medalia de Aur – *LABORATORY EQUIPMENT FOR BIOCHAR PRODUCTION FROM VEGETABLE REMAINS*, IDEA ~ EXPO 2024 IDEA, Novetly, Invention, International Exhibition and Fair, Makö, Hungary, 27.04.2024;

176. Medalia de Aur – *FLOW PARTICLE SEPARATOR FOR AQUAPONIC SYSTEMS*, IDEA ~ EXPO 2024 IDEA, Novetly, Invention, International Exhibition and Fair, Makö, Hungary, 27.04.2024;

177. Medalia de Aur – *MODULAR URBAN FARM CONTAINER MODULE*, IDEA ~ EXPO 2024 IDEA, Novetly, Invention, International Exhibition and Fair, Makö, Hungary, 27.04.2024;

178. Medalia de Aur – *MOBILE EQUIPMENT FOR PELLETING AGRICULTURAL BIOMASS*, IDEA ~ EXPO 2024 IDEA, Novetly, Invention, International Exhibition and Fair, Makö, Hungary, 27.04.2024;

179. Medalia de Aur – *EQUIPMENT FOR MONITORING COLLECTION, CROPPING AND PACKAGING OF MARINE AND LAKE SURFACE PLASTIC WASTE*, IDEA ~ EXPO 2024 IDEA, Novetly, Invention, International Exhibition and Fair, Makö, Hungary, 27.04.2024;

180. Medalia de Aur – *INTELLIGENT SYSTEM FOR APPLICATION AOF PHYTOSANITARY TREATMENTS AND MONITORING OF PRODUCTION IN GREENHOUSES*, IDEA ~ EXPO 2024 IDEA, Novetly, Invention, International Exhibition and Fair, Makö, Hungary, 27.04.2024;

181. Medalia de Aur – *DIGITAL SYSTEM AND METHOD FOR MONITORING PESTS IN FRUIT CROPS USING SMART PHEROMONE TRAPS AND WEATHER STATIONS*, IDEA ~ EXPO 2024 IDEA, Novetly, Invention, International Exhibition and Fair, Makö, Hungary, 27.04.2024;

182. Medalia de Aur – *METHOD FOR SIMULATING BIOMASS COMPACTION IN THE FORM OF PELLETS*, IDEA ~ EXPO 2024 IDEA, Novetly, Invention, International Exhibition and Fair, Makö, Hungary, 27.04.2024;

183. Diploma & Special Award (CORNELIU GROUP ASSOCIATION) for INVENTION: *DIGITAL SYSTEM AND METHOD FOR MONITORING PESTS IN FRUIT CROPS USING SMART PHEROMONE TRAPS AND WEATHER STATIONS*, on the occasion of The International Exhibition IDEA, 25-27 April 2024, Makö – Hungary;

184. SPECIAL AWARD (CITT POLITEHNICA 2020 – U.P. Timișoara) for INVENTION: *LABORATORY EQUIPMENT FOR BIOCHAR PRODUCTION FROM VEGETABLE REMAINS*, on the occasion of The International Exhibition IDEA, 25-27 April 2024, Makö – Hungary;

185. SPECIAL AWARD (U.P. Timișoara) for INVENTION: *MODULAR URBAN FARM CONTAINER MODULE*, on the occasion of The International Exhibition IDEA, 25-27 April 2024, Makö – Hungary;

186. Diploma și Medalia de Aur – *LABORATORY EQUIPMENT FOR BIOCHAR PRODUCTION FROM VEGETABLE REMAINS*, 16 Edition of European Exhibition of Creativity and Innovation - EUROINVENT, Iași, 8.05.2024;

187. Diploma și Medalia de Argint – *METHOD FOR DETERMINING THE SEEDING ACCURACY OF GRASS PLANT SEEDERS*, 16 Edition of European Exhibition of Creativity and Innovation - EUROINVENT, Iași, 8.05.2024;

188. Diploma și Medalia de Argint – *TECHNOLOGICAL SYSTEM FOR THE PRODUCTION OF THE BIO GRANULATED FOODER FOR POULTRY*, 16 Edition of European Exhibition of Creativity and Innovation - EUROINVENT, Iași, 8.05.2024;

189. Diploma și Medalia de Bronz – *FLOW PARTICLE SEPARATOR FOR AQUAPONIC SYSTEMS*, 16 Edition of European Exhibition of Creativity and Innovation - EUROINVENT, Iași, 8.05.2024;

190. Diploma and SILVER Medal – *TOPINAMBURUL – de la cultivare la valorificare*, 16 Edition of EUROINVENT BOOK SALON, Iași, 8.05.2024;

191. Diploma de Excelență – *FLOW PARTICLE SEPARATOR FOR AQUAPONIC SISTEMS*, 16 Edition of European Exhibition of Creativity and Innovation - EUROINVENT, Iași, 8.05.2024;

192. Diploma și Medalia de Aur – *METHOD FOR DETERMINING THE SEEDING ACCUARACY OF GRASS PLANT SEEDERS*, Salonul INTERNAȚIONAL DE INVENȚII – INOVAȚII „TRAIAN VUIA”, Timișoara, 13-15 June 2024;

193. Diploma și Medalia de Aur – *MOBILE EQUIPMENT FOR PELLETING AGRICULTURAL BIOMASS*, Salonul INTERNAȚIONAL DE INVENȚII – INOVAȚII „TRAIAN VUIA”, Timișoara, 13-15 June 2024;

194. Diploma și Medalia de Aur – *DIGITAL SYSTEM AND METHOD FOR MONITORING PESTS IN FRUIT CROPS USING SMART PHEROMONE TRAPS AND WEATHER STATIONS*, Salonul INTERNAȚIONAL DE INVENȚII – INOVAȚII „TRAIAN VUIA”, Timișoara, 13-15 June 2024;

195. Diploma și Medalia de Aur – *FLOW PARTICLE SEPARATOR FOR AQUAPONIC SISTEMS*, Salonul INTERNAȚIONAL DE INVENȚII – INOVAȚII „TRAIAN VUIA”, Timișoara, 13-15 June 2024;

196. Diploma și Medalia de Aur – *TECHNOLOGICAL SYSTEM FOR THE PRODUCTION OF BIO GRANULATED FOODER FOR POULTRY*, Salonul INTERNAȚIONAL DE INVENȚII – INOVAȚII „TRAIAN VUIA”, Timișoara, 13-15 June 2024;

197. Diploma & Medalia de Aur – *INTELLIGENT SYSTEM FOR APPLICATION AOF PHYTOSANITARY TREATMENTS AND MONITORING OF PRODUCTION IN GREENHOUSES*, 28th International Exhibition of Inventions „INVENTICA 2024”, Iași, Romania, 3-5 July 2024;

198. Diploma & Medalia de Aur – *EQUIPMENT FOR MONITORING COLLECTION, CROPPING AND PACKAGING OF MARINE AND LAKE SURFACE PLASTIC WASTE*, 28th International Exhibition of Inventions „INVENTICA 2024”, Iași, Romania, 3-5 July 2024;

199. Diploma & Medalia de Aur – *MODUL CONTAINERIZAT DE FERMĂ URBANĂ MODULARĂ*, 28th International Exhibition of Inventions „INVENTICA 2024”, Iași, Romania, 3-5 July 2024;

200. Diploma & Medalia de Aur – *METHOD FOR SIMULATING BIOMASS COMPACTION IN THE FORM OF PELLETS*, 28th International Exhibition of Inventions „INVENTICA 2024”, Iași, Romania, 3-5 July 2024;

201. Diploma și Medalia de Aur – *METHOD FOR DETERMINING THE SEEDING ACCURACY OF GRASS PLANT SEEDERS*, 28th International Exhibition of Inventions „INVENTICA 2024”, Iași, Romania, 3-5 July 2024;

202. Diploma și Medalia de Aur - *EQUIPMENT FOR SOIL AND SOWING GRASS PLANTS DIRECTLY INTO THE STUBBLE*, The International Exhibition of Innovation and Technological Transfer - innoCENTA, Timișoara, 7 November 2024;

203. Diploma și Medalia de Argint – *EQUIPMENT FOR OPTIMIZING THE PROCESSING OF LOW-MOISTURE AGRICULTURAL LAND*, The International Exhibition of Innovation and Technological Transfer - innoCENTA, Timișoara, 7 November 2024;

204. Diploma și Medalia de Argint – *INTEGRATED HOMOGENIZATION AND AERATION MECHANISM FOR BIOFERTILIZER PRODUCTION IN AEROBIC BIOREACTORS*, The International Exhibition of Innovation and Technological Transfer - innoCENTA, Timișoara, 7 November 2024;

205. Diploma și Medalia de Argint – *EQUIPMENT FOR COLLECTING SEAWED*, The International Exhibition of Innovation and Technological Transfer - innoCENTA, Timișoara, 7 November 2024;

206. Diploma și Medalia de Argint – *VERTICAL FARM WITH INTEGRATED AQUAPONIC SYSTEM*, International Innovation and Invention Show, EURO POLITEHNICUS 2024, București, 22-24.11.2024;

207. THAILAND AWARD pentru THE BEST INTERNATIONAL INVENTION & INNOVATION – National Research Council of Thailand – *VERTICAL FARM WITH INTEGRATED AQUAPONIC SYSTEM*, International Innovation and Invention Show, EURO POLITEHNICUS 2024, București, 22-24.11.2024;

208. Premiul pentru Inovație & Medalia de Aur (Universitatea din Craiova) – *FERMĂ VERTICALĂ CU SISTEM ACVAPONIC INTEGRAT*, International Innovation and Invention Show, EURO POLITEHNICUS 2024, București, 22-24.11.2024;

209. DIPLOMA and GOLD MEDAL – *EQUIPMENT FOR OPTIMIZING THE PROCESSING OF LOW-MOISTURE AGRICULTURAL LANDS*, International Exhibition INVENTCDR, 6th edition, 3-5 April 2025, DEVA, Romania;

210. DIPLOMA and GOLD MEDAL – *ACTIVE SOLAR DRYER FOR FRUITS AND VEGETABLES, INTELLIGENTLY CONTROLLED*, International Exhibition INVENTCDR, 6th edition, 3-5 April 2025, DEVA, Romania;

211. DIPLOMA and GOLD MEDAL – *VERTICAL FARM WITH INTEGRATED AQUAPONIC SYSTEM*, International Exhibition INVENTCDR, 6th edition, 3-5 April 2025, DEVA, Romania;

212. DIPLOMA and GOLD MEDAL – *VERTICAL ROBOTIC ARM FOR UNDERWATER DRONES*, International Exhibition INVENTCDR, 6th edition, 3-5 April 2025, DEVA, Romania;

213. DIPLOMA and Speaker Certificate - *Vlăduț Valentin*, International Exhibition INVENTCDR, 6th edition, 3-5 April 2025, DEVA, Romania;

214. Diploma and Gold Medal - *SEMI-AUTOMATIC MACHINE FOR TRANSPLANTING VEGETABLE SEEDLINGS ON TWO ROWS*, 17 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, May 8-10, 2025;

215. Diploma and Gold Medal – *INTEGRATED HOMOGENIZATION AND AERATION MECHANISM FOR BIOFERTILIZER PRODUCTION IN AEROBIC BIOREACTORS*, 17 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, May 8-10, 2025;

216. Diploma and Silver Medal – *EQUIPMENT FOR SOIL TILLAGE AND SOWING GRASS PLANTS DIRECTLY INTO THE STUBBLE*, 17 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, May 8-10, 2025;

217. Diploma and Silver Medal – *COMMAND AND CONTROL PROCESS SYSTEM FOR SORTING, STORAGE AND IDENTIFICATION OF SOIL SAMPLES*, 17 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, May 8-10, 2025;

218. Diploma and Silver Medal – *EQUIPMENT FOR COLLECTING SEAWEED*, 17 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, May 8-10, 2025;

219. “Lucian Blaga” University of Sibiu - Special Prize – *INTEGRATED HOMOGENIZATION AND AERATION MECHANISM FOR BIOFERTILIZER PRODUCTION IN AEROBIC BIOREACTORS*, 17 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, May 8-10, 2025;

220. DIPLOMA OF EXCELLENCE (ICPE-CA) – *EQUIPMENT FOR SOIL TILLAGE AND SOWING GRASS PLANTS DIRECTLY INTO THE STUBBLE*, 17 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, May 8-10, 2025;

221. DIPLOMA OF EXCELLENCE (ICPE-CA)– *EQUIPMENT FOR COLLECTING SEAWEED*, 17 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, May 8-10, 2025;

222. Special Award (Universitatea „Vasile Alecsandri” din Bacău) – *COMMAND AND CONTROL PROCESS SYSTEM FOR SORTING, STORAGE AND IDENTIFICATION OF SOIL SAMPLES*, 17 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, May 8-10, 2025;

223. Special Award (Universitatea „Vasile Alecsandri” din Bacău) – *INTEGRATED HOMOGENIZATION AND AERATION MECHANISM FOR BIOFERTILIZER PRODUCTION IN AEROBIC BIOREACTORS*, 17 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, May 8-10, 2025;

224. Diploma and Gold Medal – *SWEET SORGHUM- A RESILIENT CROP FOR SUSTAINABLE AGRICULTURE IN THE FACE OF CLIMATE CHANGE*, 17 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, May 8-10, 2025;

225. Healthy vibe - Special Award – *SEMI-AUTOMATIC MACHINE FOR TRANSPLANTING VEGETABLE SEEDLINGS ON TWO ROWS*, 17 Edition of European Exhibition of Creativity and Innovation - EURO INVENT, May 8-10, 2025, Iasi, România;

226. Asociația „JUSTIN CAPRĂ” – Certificate of Appreciation - *EQUIPMENT FOR COLLECTING SEAWEED*, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

227. Asociația „JUSTIN CAPRĂ” – Certificate of Appreciation- *EQUIPMENT FOR SOIL TILLAGE AND SOWING GRASS PLANTS DIRECTLY INTO THE STUBBLE*, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

228. Asociația „JUSTIN CAPRĂ” – Certificate of Appreciation - *SEMI-AUTOMATIC MACHINE FOR TRANSPLANTING VEGETABLE SEEDLINGS ON TWO ROWS*, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

229. Asociația „JUSTIN CAPRĂ” – Certificate of Appreciation - *COMMAND AND CONTROL PROCESS SYSTEM FOR SORTING, STORAGE AND IDENTIFICATION OF SOIL SAMPLES*, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

230. U.P. Timișoara (CITT POLITEHNICA 2020) - CERTIFICATE of EXCELLENCE – *COMMAND AND CONTROL PROCESS SYSTEM FOR SORTING, STORAGE AND IDENTIFICATION OF SOIL SAMPLES*, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

231. U.P. Timișoara (CITT POLITEHNICA 2020) – SPECIAL AWARD – *SEMI-AUTOMATIC MACHINE FOR TRANSPLANTING VEGETABLE SEEDINGS ON TWO ROWS*, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

232. U.P. Timișoara (CITT POLITEHNICA 2020) – SPECIAL AWARD – *INTEGRATED HOMOGENIZATION AND AERATION MECHANISM FOR BIOFERTILIZES PRODUCTION IN AEROBIC BIOREACTORS*, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

233. U.P. Timișoara (CITT POLITEHNICA 2020) – SPECIAL AWARD – *COMMAND AND CONTROL PROCESS SYSTEM FOR SORTING, STORAGE AND IDENTIFICATION OF SOIL SAMPLES*, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

234. U.P. Timișoara – SPECIAL AWARD – *EQUIPMENT FOR SOIL TILLAGE AND SOWING GRASS PLANTS DIRECTLY INTO THE STUBBLE*, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

235. Certificate of Excellence (U.P. Timișoara) – *EQUIPMENT FOR COLLECTING SEAWEED*, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

236. Certificate of Excellence (U.P. Timișoara) – *ROBOTIC ARM FOR UNDERWATER DRONES*, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

237. BEST STUDENTS PAPER on MMS – *EVALUATION OF VIBRATIONS AND COMFORT OF A DRIVER OF AN ELECTRIC TRACTOR BY MODAL AND EXPERIMENTAL ANALYSIS*, 29th International Exhibition of Inventics „INVENTICA 2025”, Iași, Romania, 25-27 July 2025;

238. BEST STUDENTS PAPER on MMS – *EVALUATION OF VIBRATIONS AND COMFORT OF A DRIVER OF AN ELECTRIC TRACTOR BY MODAL AND EXPERIMENTAL ANALYSIS*, IEE – SPRINGER Publishing House, IASDG 2025;

239. DIPLOMA & SILVER MEDAL – *METHOD FOR EVALUATING VIBRATIONS TRANSMITTED TO THE DRIVER OF A SELF-PROPELLED AGRICULTURAL VEHICLE*, 29th International Exhibition of Inventics „INVENTICA 2025”, Iași, Romania, 25-27 July 2025;

240. DIPLOMA & GOLD MEDAL – *ROTATING MICROGREENHOUSE WITH AUTOMATIC NUTRIENT DELIVERY AND ZONAL DISTRIBUTION*, 29th International Exhibition of Inventics „INVENTICA 2025”, Iași, Romania, 25-27 July 2025;

241. DIPLOMA & GOLD MEDAL – *ROTATING MICROGREENHOUSE WITH AUTOMATIC NUTRIENT DELIVERY AND ZONAL DISTRIBUTION*, 29th International Exhibition of Inventics „INVENTICA 2025”, Iași, Romania, 25-27 July 2025;

242. DIPLOMA & GOLD MEDAL – *HIGH-EFFICIENCY MULTILAYER FILTRATION SYSTEM WITH AUTOMATIC CLEANING AND BACKWASHING, FOR AQUAPONICS*, 29th International Exhibition of Inventics „INVENTICA 2025”, Iași, Romania, 25-27 July 2025;

243. DIPLOMA & GOLD MEDAL – *SEMI-AUTOMATIC MACHINE FOR TRANSPLANTING VEGETABLE SEEDLINGS ON THE ROWS*, 29th International Exhibition of Inventics „INVENTICA 2025”, Iași, Romania, 25-27 July 2025;

244. DIPLOMA & GOLD MEDAL – *EQUIPMENT FOR OPTIMIZING THE PROCESSING OF LOW-MOISTURE AGRICULTURAL LANDS*, 29th International Exhibition of Inventics „INVENTICA 2025”, Iași, Romania, 25-27 July 2025;

245. DIPLOMA & SILVER – *EQUIPMENT FOR COLLECTING SEAWEED*, 29th International Exhibition of Inventics „INVENTICA 2025”, Iași, Romania, 25-27 July 2025;

246. DIPLOMA & GOLD MEDAL – *INTEGRATED HOMOGENIZATION AND AERATION MECHANISM FOR BIOFERTILIZER PRODUCTION IN AEROBIC BIOREACTORS*, 29th International Exhibition of Inventics „INVENTICA 2025”, Iași, Romania, 25-27 July 2025;

247. DIPLOMA & SILVER – *EQUIPMENT FOR SOIL TILLAGE AND SOWING GRASS PLANTS DIRECTLY INTO THE STUBBLE*, 29th International Exhibition of Inventics „INVENTICA 2025”, Iași, Romania, 25-27 July 2025;

248. DIPLOMA & GOLD MEDAL – *ACTIVE SOLAR DRYER FOR FRUITS AND VEGETABLES, INTELLIGENTLY CONTROLLED*, 29th International Exhibition of Inventics „INVENTICA 2025”, Iași, Romania, 25-27 July 2025;

249. MEDALIA DE AUR – *BRAȚ ROBOTIC PENTRU DRONE SUBACVATICE*, UGAL INVENT – Salonul Inovării și Cercetării, 24-24 octombrie 2025, Galați / România;

250. MEDALIA DE ARGINT – *ORGAN SUPLIMENTAR DE LUCRU PENTRU DECOMPACTAREA SOLULUI*, UGAL INVENT – Salonul Inovării și Cercetării, 24-24 octombrie 2025, Galați / România;

251. MEDALIA DE ARGINT – APARAT CU MECANISM ALTERNATIV DE ADMINISTRARE A ÎNGRĂȘĂMINTELOR SOLIDE CU GRANULAȚII VARIABLE ȘI PULBERI, UGAL INVENT – Salonul Inovării și Cercetării, 24-24 octombrie 2025, Galați / România;

252. MEDALIA DE AUR – MECANISM DE OMOGENIZARE ȘI AERARE INTEGRATĂ PENTRU PRODUCȚIA DE BIOFERTILIZANȚI ÎN BIOREACTOARE AEROBE, UGAL INVENT – Salonul Inovării și Cercetării, 24-24 octombrie 2025, Galați / România;

253. MEDALIA DE AUR – METODĂ DE EVALUARE A VIBRAȚIILOR TRANSMISE CONDUCĂTORULUI AUTO AL UNUI VEHICUL AGRICOL AUTOPROPULSAT, UGAL INVENT – Salonul Inovării și Cercetării, 24-24 octombrie 2025, Galați / România;

254. MEDALIA DE ARGINT – TEHNOLOGIE DE PRELUCRARE MINIMĂ A TERENULUI AGRICOL, ADAPTATĂ LA SCHIMBĂRILE CLIMATICE ACTUALE, UGAL INVENT – Salonul Inovării și Cercetării, 24-24 octombrie 2025, Galați / România;

255. MEDALIA DE ARGINT – TEHNOLOGII INOVATIVE PENTRU CREȘTEREA RANDAMENTULUI EXTRACȚIEI PRINCIPILOR ACTIVE DIN PLANTE MEDICINALE ȘI AROMATICE, UGAL INVENT – Salonul Inovării și Cercetării, 24-24 octombrie 2025, Galați / România;

256. MEDALIA DE AUR – OBȚINEREA BIOCHARULUI DIN BIOMASĂ VEGETALĂ, UTILIZÂND ECHIPAMENTE PROTOTIP, UGAL INVENT – Salonul Inovării și Cercetării, 24-24 octombrie 2025, Galați / România;

257. Medalie de Argint – ECHIPAMENT PENTRU OPTIMIZAREA PRELUCRĂRII TERENURILOR AGRICOLE CU UMIDITATE SCĂZUTĂ, UGAL INVENT – Salonul Inovării și Cercetării, 23-24 Octombrie 2025, Galați – România;

258. MEDALIA DE AUR – FERMĂ VERTICALĂ CU SISTEM ACVAPONIC INTEGRAT, UGAL INVENT – Salonul Inovării și Cercetării, 23-24 Octombrie 2025, Galați – România;

259. MEDALIA DE AUR – MAȘINĂ SEMIAUTOMATĂ PENTRU TRANSPLANTAREA RĂSADURILOR DE LEGUME PE DOUĂ RÂNDURI, UGAL INVENT – Salonul Inovării și Cercetării, 23-24 Octombrie 2025, Galați – România;

260. MEDALIE DE ARGINT – THE POTENTIAL OF CANNABIS SATIVA FOR SUPERIOR VALORIZATION IN FOOD APPLICATIONS, UGAL INVENT – Salonul Inovării și Cercetării, 23-24 Octombrie 2025, Galați – România;

261. MEDALIE DE AUR – TRADIȚIE ȘI INOVAȚIE ÎN FERTILIZAREA SUSTENABILĂ A BUSUIOCULUI ROMÂNESC PENTRU OBȚINEREA ULEIURILOR ESENȚIALE VALOROASE, UGAL INVENT – Salonul Inovării și Cercetării, 23-24 Octombrie 2025, Galați – România;

262. PREMIUL SPECIAL (OSIM) – MECANISM DE OMOGENIZARE ȘI AERARE INTEGRATĂ PENTRU PRODUCȚIA DE BIOFERTILIZANȚI ÎN BIOREACTOARE AEROBE, UGAL INVENT – Salonul Inovării și Cercetării, 24-24 octombrie 2025, Galați / România;

263. DIPLOMĂ DE EXCELENȚĂ & MEDALIA DE AUR PRO INVENT - FERMĂ VERTICALĂ CU SISTEM ACVAPONIC INTEGRAT, PRO INVENT – Salon Internațional al Cercetării Științifice, Inovării și Inventice, 15-17 Octombrie 2025, Cluj Napoca – România;

264. DIPLOMĂ DE EXCELENȚĂ & MEDALIA DE AUR PRO INVENT - SISTEM DE COMANDĂ ȘI CONTROL PROCES DE SORTARE, DEPOZITARE ȘI IDENTIFICARE A PROBELOR DE SOL, PRO INVENT – Salon Internațional al Cercetării Științifice, Inovării și Inventice, 15-17 Octombrie 2025, Cluj Napoca – România;

265. DIPLOMĂ DE EXCELENȚĂ & MEDALIA DE AUR PRO INVENT – MICROSERĂ ROTATIVĂ CU LIVRARE AUTOMATĂ DE NUTRIENȚI ȘI DISTRIBUȚIE ZONALĂ, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

266. DIPLOMĂ DE EXCELENȚĂ & MEDALIA DE AUR PRO INVENT – ORGAN SUPLIMENTAR DE LUCRU PENTRU DECOMPACTAREA SOLULUI, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

267. DIPLOMĂ DE EXCELENȚĂ & MEDALIA DE AUR PRO INVENT – APARAT CU MECANISM ALTERNATIV DE ADMINSTRARE A INGRĂȘĂMINTELOR SOLIDE CU GRANULAȚII VARIABLE ȘI PULBERI, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

268. DIPLOMĂ DE EXCELENȚĂ (INCDPM București) – ORGAN SUPLIMENTAR DE LUCRU PENTRU DECOMPACTAREA SOLULUI, 17th European Exhibition of Creativity and Innovation - EURO INVENT, Iasi, România, May 8-10, 2025;

269. Diploma & SILVER MEDAL – THE TRITICOSECALE – BETWEEN TRADITIONAL AND INNOVATION, A CROP FOR THE FUTURE, FESTIVAL OF INNOVATION AND TECHNOLOGICAL TRANSFER, 17-20 November, Târgoviște – România;

270. Diploma & BRONZE MEDAL – THE VALORIZATION OF JERUSALEM ARTICHOKE AS A RENEWABLE RESOURCES FOR ENERGY AND FUNCTIONAL FOOD PRODUCTION, FESTIVAL OF INNOVATION AND TECHNOLOGICAL TRANSFER, 17-20 November, Târgoviște – România;

271. Diploma & GOLD MEDAL– WOVEN PREFORMS SERVE AS PRIMARY COMPOSITE MATERIALS IN ENGINEERING APPLICATIONS, FESTIVAL OF INNOVATION AND TECHNOLOGICAL TRANSFER, 17-20 November, Târgoviște – România;

272. Diploma & SILVER MEDAL – RECYCLED ALUMINIUM AS METALIC MATRIX IN ENGINEERING COMPOSITE APPLICATIONS, FESTIVAL OF INNOVATION AND TECHNOLOGICAL TRANSFER, 17-20 November, Târgoviște – România;

273. Diploma & GOLD MEDAL – TRADITION AND INNOVATION IN SUSTAINABLE FERTILIZATION OF ROMANIAN BASIL FOR VALUABLE ESSENTIAL OILS, FESTIVAL OF INNOVATION AND TECHNOLOGICAL TRANSFER, 17-20 November, Târgoviște – România;

274. Diploma & GOLD MEDAL – “ADVANCE URN”: A MULTIFUNCTIONAL PLANT-BASED ANTIOXIDANT MIX FOR HEALTHY AGEING, FESTIVAL OF INNOVATION AND TECHNOLOGICAL TRANSFER, 17-20 November, Târgoviște – România;

275. Diploma & GOLD MEDAL – THE POTENTIAL OF CANNABIS SATIVA FOR SUPERIOR VALORIZATION IN FOOD APPLICATION, FESTIVAL OF INNOVATION AND TECHNOLOGICAL TRANSFER, 17-20 November, Târgoviște – România;

276. Diploma & MEDALIA DE AUR – OBȚINEREA BIOCĂRBUNELUI DIN BIOMASĂ VEGETALĂ, UTILIZÂND ECHIPAMENTE DE TIP MODEL EXPERIMENTAL, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 Decembrie 2025, Chișinău, Rep. Moldova;

	<p>277. Diploma & MEDALIA DE AUR – <i>SISTEM DE DEZINFECȚIE ÎN FLUX CONTINUU A TĂVILOR SEMĂNATE CU MICROPLANTE PENTRU AGRICULTURA VERTICALĂ</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 Decembrie 2025, Chișinău, Rep. Moldova;</p> <p>278. Diploma & MEDALIA DE AUR – <i>ECHIPAMENT PENTRU COLECTAREA ALGELOR MARINE</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 Decembrie 2025, Chișinău, Rep. Moldova;</p> <p>279. Diploma & MEDALIA DE ARGINT – <i>SISTEM DE FILTRARE MULTISTRAT DE ÎNALTĂ EFICIENȚĂ, CU CURĂȚARE AUTOMATĂ ȘI SPĂLARE ÎN CONTRACURRENT, PENTRU ACVAPONIE</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 Decembrie 2025, Chișinău, Rep. Moldova;</p> <p>280. Diploma & MEDALIA DE ARGINT – <i>MAȘINĂ SEMIAUTOMATĂ PENTRU TRANSPLANTAREA RĂSADURILOR DE LEGUME PE DOUĂ RÂNDURI</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 Decembrie 2025, Chișinău, Rep. Moldova;</p> <p>281. Diploma & MEDALIA DE ARGINT – <i>TEHNOLOGIE INOVATIVĂ DE PRELUCRARE MINIMĂ A TERENULUI AGRICOLĂ ADAPTATĂ LA SCHIMBĂRILE CLIMATICE ACTUALE</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 decembrie 2025, Chișinău, Rep. Moldova;</p> <p>282. Diploma & MEDALIA DE BRONZ – <i>MICROSERĂ ROTATIVĂ CU LIVRARE AUTOMATĂ DE NUTRIENȚI ȘI DISTRIBUIRE ZONALĂ</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 Decembrie 2025, Chișinău, Rep. Moldova;</p> <p>283. Diploma & MEDALIA DE BRONZ – <i>MECANISM DE OMOGENIZARE ȘI AERARE INTEGRATĂ PENTRU PRODUCȚIA DE BIOFERTILIZANȚI ÎN BIOREACTOARE AEROBE</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 Decembrie 2025, Chișinău, Rep. Moldova;</p> <p>284. Diploma & MEDALIA DE BRONZ – <i>SISTEM DE COMANDĂ ȘI CONTROL PROCES DE SORTARE, DEPOZITARE ȘI IDENTIFICARE A PROBELOR DE SOL</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 Decembrie 2025, Chișinău, Rep. Moldova;</p> <p>285. Diploma & MEDALIA DE BRONZ – <i>METODĂ DE EVALUARE A VIBRAȚIILOR TRANSMISE CONDUCĂTORULUI AUTO AL UNUI VEHICUL AGRICOL AUTOPROPULSAT</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 Decembrie 2025, Chișinău, Rep. Moldova;</p> <p>286. Diploma & MEDALIA DE BRONZ – <i>TEHNOLOGIE DE MANAGEMENT A DISPOZITIVULUI DE PRELEVARE A PROBELOR DE SOL</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 Decembrie 2025, Chișinău, Rep. Moldova;</p> <p>287. Diploma & MEDALIA DE AUR – <i>CÂNEPA INDUSTRIALĂ (CANNABIS SATIVA L.) – O RESURSĂ AGROALIMENTARĂ SUSTENABILĂ PENTRU NUTRIȚIA UMANĂ ȘI ANIMALĂ</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 decembrie 2025, Chișinău, Rep. Moldova;</p> <p>288. Diploma & MEDALIA DE ARGINT – <i>EVALUAREA FAUNEI DE DĂUNĂTORI LA CULTURILE DE CARTOF ȘI SFECLĂ DE ZAHĂR ÎN REGIUNEA CENTRALĂ A MOLDOVEI</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 decembrie 2025, Chișinău, Rep. Moldova;</p> <p>289. Diploma & MEDALIA DE ARGINT – <i>TRITICOSECALA – DE LA TRADIȚIE LA INOVAȚIE: O CULTURĂ PROMIȚĂTOARE PENTRU VIITOR</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 decembrie 2025, Chișinău, Rep. Moldova;</p> <p>290. Diploma & MEDALIA DE AUR – <i>TOPINAMBURUL: MATERIE PRIMĂ SUSTENABILĂ PENTRU BIOCOMBUSTIBILI ȘI PRODUSE ALIMENTARE FUNCȚIONALE</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 decembrie 2025, Chișinău, Rep. Moldova;</p> <p>291. DIPLOMA DE EXCELENȚĂ (DFR SYSTEMS SRL) – <i>TOPINAMBURUL: MATERIE PRIMĂ SUSTENABILĂ PENTRU BIOCOMBUSTIBILI ȘI PRODUSE ALIMENTARE FUNCȚIONALE</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 decembrie 2025, Chișinău, Rep. Moldova;</p> <p>292. MEDALIA DE AUR (Universitatea Tehnică a Moldovei) – <i>TEHNOLOGIE INOVATIVĂ DE PRELUCRARE MINIMĂ A TERENULUI AGRICOLĂ ADAPTATĂ LA SCHIMBĂRILE CLIMATICE ACTUALE</i>, Expoziția Internațională Specializată „INFOINVENT”, Ediția XIX-a, 3-5 decembrie 2025, Chișinău, Rep. Moldova;</p> <p>293. DIPLOMA & GOLD MEDAL – <i>HIGH-EFFICIENCY MULTILAYER FILTRATION SYSTEM WITH AUTOMATIC CLEANING AND BACKWASHING FOR AQUAPONICS</i>, Salonul Internațional de Inventii și Inovații „TRAIAN VUIA”, 11th Edition, 3-4 October, Timișoara / România;</p> <p>294. DIPLOMA & GOLD MEDAL – <i>ACTIVE SOLAR DRYER FOR FRUITS AND VEGETABLES, INTELLIGENTLY CONTROLLED</i>, Salonul Internațional de Inventii și Inovații „TRAIAN VUIA”, 11th Edition, 3-4 October 2025, Timișoara / România;</p> <p>295. SPECIAL AWARD (National Institute of Research & Development for Optoelectronics) – <i>ACTIVE SOLAR DRYER FOR FRUITS AND VEGETABLES, INTELLIGENTLY CONTROLLED</i>, Salonul Internațional de Inventii și Inovații „TRAIAN VUIA”, 11th Edition, 3-4 octombrie 2025, Timișoara / România.</p>
PREMII NAȚIONALE	<p>Se vor preciza: titlul premiului, instituția care vi l-a acordat și anul premierii</p> <p>1. Premiul "VALENTIN SCRIPNIC" 2018 al Academiei de Științe Agricole și Silvici „Gheorghe Ionescu Șișești” (ASAS), București, 11.12.2019, pentru lucrarea: „<i>Mathematical model for particle motion applied on a manure spreading apparatus used in environmentally friendly technology</i>”, autori: Ștefan V., Cârdei P., Vlăduț V., Popa L., Ciupercă R., Ungureanu N.;</p> <p>2. Premiul "TOMA DRAGOȘ" 2018 al Academiei de Științe Agricole și Silvici „Gheorghe Ionescu Șișești” (ASAS), București, 11.12.2019 pentru lucrarea: „Evoluția echipamentelor și mașinilor agricole, de la 1835 până în prezent, în România”, autori: Gângu V., Pirnă I., Nicolescu M., Naghiu Al., Bădănoiu B., Popescu S., Tenu I., Nedeff V., Paraschiv G., Neacșu F., Voicu E., Mocanu V., Vlăduț V.;</p> <p>3. Premiul "TOMA DRAGOȘ" 2019 al Academiei de Științe Agricole și Silvici „Gheorghe Ionescu Șișești” (ASAS), București, 27.12.2020 pentru lucrarea: „<i>INMATEH – AGRICULTURAL ENGINEERING Journal</i>, vol. 57, 58 și 59”, autori: Vlăduț V., Popa L., Matache M., Muraru V., Țicu T., Cârdei P., Radu D.;</p> <p>4. Premiu / Diploma AGIR' 2021 – Secțiunea „Ingineria Agricolă și Silvică” pentru lucrarea „Sorgul – Tehnologii inovative de cultivare și valorificare”, Editura Universitaria, Craiova' 2021, ASOCIAȚIA INGINERILOR DIN ROMÂNIA (AGIR), 9.09.2022 pentru lucrarea „<i>Sorgul – Tehnologii inovative de cultivare și valorificare</i>”, autori: Matei Gh., Vlăduț N-V., Troțuș E., Isticioaia S., Drăghici R., Popa L-D., Apostol L., Vocea I.;</p>

	5. Premiul "VALENTIN SCRIPNIC" 2021 al Academiei de Științe Agricole și Silvicultură „Gheorghe Ionescu Șiştești” (ASAS), București, 29.11.2022 pentru lucrarea: „Cânepa (<i>Cannabis Sativa</i> L.) de la cultivare la valorificare”, autori: Popa L.-D., Vlăduț N.V. , Buburuz A.Al., Troțuș E., Matei Gh., Ungureanu N., Isticioaia S.; 6. Premiul "TOMA DRAGOȘ" 2023 al Academiei de Științe Agricole și Silvicultură „Gheorghe Ionescu Șiştești” (ASAS), București, 28.11.2024 pentru lucrarea: „Research on the identification of some optimal threshing și separation regimes in the axial flow apparatus”, autori: Vlăduț N.-V. , Ungureanu N., Biris S.St., Voicea I., Nenciu F., Găgeanu I., Cujbescu D., Popa L.-D., Boruz S., Matei G., Ekielski A., Teliban G.C.; 7. Premiul "TOMA DRAGOȘ" 2024 al Academiei de Științe Agricole și Silvicultură „Gheorghe Ionescu Șiştești” (ASAS), București, 27.11.2025 pentru lucrarea: „Exploring a self-sufficiency approach within a sustainable integrated pisciculture farming system”, autori: Voicea I., Nenciu F., Vlăduț N.-V. , Matache M., Persu C., Cujbescu D.									
Aptitudini și competențe personale	<ul style="list-style-type: none">• Gândire critică;• Aptitudini interpersonale;• Atitudine proactivă.• Respectarea procedurilor;• Perseverența în îndeplinirea sarcinilor;• Toleranță;• Rezistență la efort și stres.									
Limba maternă	Română									
Limba străină cunoscută										
Autoevaluare	Înțelegere				Vorbire				Scriere	
Nivel european (*)	Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
Limba engleză		Bine		Bine		Bine		Bine		Bine
(*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine										
Competențe și abilități sociale	Sociabil, înțelegător									
Competențe și aptitudini organizatorice	<ul style="list-style-type: none">• Capacitate de organizare și conducere echipe de cercetare;• Coordonare program NUCLEU – INMA (2013-2015; 2016);• Director / responsabil la peste 20 proiecte din cadrul programelor naționale și europene;• Organizator și co-organizator simpozioane și conferințe internaționale;• Coordonator lucrări disertație: UP București – Fac. Ingineria Sistemelor Biotehnice;• Conducător doctorat.									
Competențe și aptitudini de utilizare a calculatorului	<ul style="list-style-type: none">• Mechanical Engineering, Autocad, Mathcad, Word, Excel, PowerPoint, Microsoft Publisher, etc									
Competențe și aptitudini artistice	-									
Alte competențe și aptitudini	<ul style="list-style-type: none">• Asigurarea calității, 1999;• Norme și prevederi legale privind securitatea muncii în utilizarea utilajelor destinate agriculturii și industriei alimentare, 1999;• Audit intern în activitatea de încercări, 1999, 2000;• Incertitudinea de măsurare în încercările mașinilor agricole și industria alimentară, 2000;• Managementul și asigurarea calității, 2001;• Elemente de asigurarea calității - ISO 9000/2000, 2001;• Cerințe pentru competența laboratoarelor de încercări prevăzute în ISO 17025 și Directivele Europene, 2001;• Managementul și asigurarea calității – Elemente ale sistemelor calității, 2001;• Conducerea și asigurarea calității - S.C. QUALITAS S.A. București, 2001;• Managementul calității. Elementele sistemului calității (conform standardului SR ISO 9001) – S.C. QUALITAS S.A. București, 2001;• Management de mediu – Asociația Română pentru Calitate (ARC) sub licența Asociației Austriece pentru calitate (EOQ), 2002;• Auditor de mediu - Asociația Română pentru Calitate (ARC) sub licența Asociației Austriece pentru calitate (EOQ), 2002;• Prezentarea cerințelor referențialului SR EN ISO 17025: 2005 - referențial pentru acreditarea laboratoarelor de încercări/etalonări - Asociația de Acreditare din România, Organismul Național de Acreditare, Centrul de formare și Perfecționare pentru Acreditare, 2006;• Elaborarea procedurilor de măsurare și evaluare a incertitudinii de măsurare – S.C. SIGMA CONCEPT SRL, 2006.• Managementul performanței – KPI Indicatori cheie de performanță, TOP QUALITY MANAGEMENT 2017.									

Relațional	<ul style="list-style-type: none"> • Abilități de comunicare; • Lucru în echipă; • Abilități de negociere și stingere a conflictelor
Permis(e) de conducere	Categoria B
Informații suplimentare	<ul style="list-style-type: none"> • Brevete: 18 (din care 1 EPO); • Soi: 1; • Cereri de brevet: 40 (din care 1 EPO); • Lucrări publicate: 942, din care: <ul style="list-style-type: none"> ✓ WoS: 220 ✓ BDI: 722 • Cărți publicate: 33 + 3 capitole, din care: <ul style="list-style-type: none"> ✓ în țară: 32 (9 prim autor; 6 coordonator; 17 coautor); ✓ în străinătate: 1 carte și 3 capitole
Anexe	LISTA DE LUCRĂRI ȘTIINȚIFICE – Anexa 1

Anexa 1

1. **Vlăduț V.**, Băjenaru S., Bungescu S., Biriș S., Boureci A. - *Agricultural policy of Romania and the associated countries for answering the exigencies of the European Union in the perspective of the E.U. accession*, Journal ECONOMICS OF AGRICULTURE (Ekonomika Poljoprivreda-economics of Agriculture), Special Edition, Volum LIII, pag. 551-558, 2006, YU ISSN 0352-3462, Belgrade, Yugoslavia; [WOS:000435254200060](#)
2. Biriș S., **Vlăduț V.**, Bungescu S., Paraschiv G. - *Researches regarding the utilization of ante-molboard in the ploughs building*, PROCEEDINGS OF THE 35 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag 85-96, 2007, ISSN 1333-2651, Opatija – Croația [ISI - Index to Scientific and Technical Proceedings, CAB International –Agricultural Engineering Abstracts, Cambridge Scientific Abstracts –InterDok];
3. Biriș S., Maican E., Faur N., **Vlăduț V.**, Bungescu S. - *FEM model for appreciation of soil compaction under the action of tractors and agricultural machines*, PROCEEDINGS OF THE 35 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag 271-280, 2007, ISSN 1333-2651, Opatija – Croația [ISI - Index to Scientific and Technical Proceedings, CAB International –Agricultural Engineering Abstracts, Cambridge Scientific Abstracts –InterDok];
4. **Vlăduț V.**, Gângu V., Pirnă I., Băjenaru S., Biriș S., Bungescu S. - *Complex tests of the resistance structures in simulated and accelerated regime on hydropulse installation*, PROCEEDINGS OF THE 35 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag 393-404, 2007, ISSN 1333-2651, Opatija – Croația [ISI - Index to Scientific and Technical Proceedings, CAB International –Agricultural Engineering Abstracts, Cambridge Scientific Abstracts –InterDok];
5. **Vlăduț V.**, Manea D., Biriș S., Bungescu S., Atanasov At. - *Test of an equipment which works in open air according to the requirements of D 2000/14/EC*, PROCEEDINGS OF THE 35 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag 405-414, 2007, ISSN 1333-2651, [ISI - Index to Scientific and Technical Proceedings, CAB International –Agricultural Engineering Abstracts, Cambridge Scientific Abstracts –InterDok];
6. Biriș S., Maican E., **Vlăduț V.**, Paraschiv G., Manea M., Bungescu S. - *Study regarding the soil particles kinematics during the ante-mouldboard tillage tools working process*, PROCEEDINGS OF THE 36 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag 115-126, 2008, ISSN 1333-2651, Opatija – Croația [ISI - Index to Scientific and Technical Proceedings, CAB International –Agricultural Engineering Abstracts, Cambridge Scientific Abstracts –InterDok];
7. Bungescu S., Biriș S., **Vlăduț V.**, Paraschiv G. - *Researches regarding the stress distribution determination appearing on the lamellar mouldboard surface with a view to modelling and optimization*, PROCEEDINGS OF THE 36 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag 281-292, 2008, ISSN 1333-2651, Opatija - Croația;
8. **Vlăduț V.**, Matache M., Faur N., Biriș S., Paraschiv G., Bungescu S. - *Traction Bar Testing of a 161 Kw Tractor in Simulated and Accelerated Regime and its Analysis by Finite Elements Method for Determining its Rupture Resistance*, PROCEEDINGS OF THE 37 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 77-84, 2009, ISSN 1333-2651, Opatija - Croația [ISI - Index to Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok];
9. **Vlăduț V.**, Popa L., Danciu A., Bungescu S., Biriș S., Paraschiv G. - *Soil Pressure Determination in Real-Field and Simulated Laboratory*, PROCEEDINGS OF THE 37 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 107-116, 2009, ISSN 1333-2651, Opatija - Croația [ISI - Index to Scientific and Technical Proceedings, CAB International –Agricultural Engineering Abstracts, Cambridge Scientific Abstracts –InterDok];
10. Bungescu S., Pârșan P., Biriș S., **Vlăduț V.**, Imbrea F., Petroman I. - *The stratified composite materials implementation in the engineering of the mouldboards*, PROCEEDINGS OF THE 37 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 127-134, 2009, ISSN 1333-2651, Opatija - Croația [ISI - Index to Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok];
11. Paraschiv G., Toma L., Biriș S., Voicu G., **Vlăduț V.** - *Research regarding the influence of angle of fall and of furrow overturning tendency on covering degree with soil of the vegetal remains from ploughing*, PROCEEDINGS OF THE 37 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag 135-142, 2009, ISSN 1333-2651, Opatija - Croația [ISI - Index to Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok];
12. Bungescu S., Stahl W., Biriș S., **Vlăduț V.**, Imbrea F., Petroman C. - *Cosmos programm used for the strength calculus of the nozzles from the sprayers*, PROCEEDINGS OF THE 37 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on

- Agricultural Engineering", pag. 177÷184, 2009, ISSN 1333-2651, Opatija - Croatia [ISI - Index to Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok];
13. Biriş S., Manea M., Paraschiv G., **Vlăduţ V.**, Bungescu S. - *Power calculus elements for oil presses*, PROCEEDINGS OF THE 37 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 475÷484, 2009, ISSN 1333-2651, Opatija - Croatia [ISI - Index to Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok];
 14. Biriş S.Şt., **Vlăduţ V.** - *Use of finite element method to determine the influence of land vehicles traffic on artificial soil compaction*, WATER STRESS, pag. 179-198, ISBN978-953-307-963-9, <https://www.intechopen.com/chapters/26978>, WOS:000384663700011 [ISI];
 15. Biriş S., Maican E., Ungureanu N., **Vlăduţ V.**, Murad E. - *Analysis of stress and strain distribution in an agricultural vehicle wheel using finite element method*, PROCEEDINGS OF THE 39 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 107÷118, 2011, ISSN 1333-2651, Opatija - Croatia [ISI - Index to Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok];
 16. Găgeanu P., **Vlăduţ V.**, Păun A., Chih I., Biriş S. - *Pure plant oil – source of alternative energy*, PROCEEDINGS OF THE 39 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 141÷152, 2011, ISSN 1333-2651, Opatija - Croatia [ISI - Index to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok], <http://atae.agr.hr/>;
 17. **Vlăduţ V.**, Matache M., Vocea I., Găgeanu P., Bungescu S., Biriş S., Mihailov N., Popescu S., Savin L. - *Comparison of a sprinkler's transverse distribution with used and new nozzles*, PROCEEDINGS OF THE 39 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 307÷312, 2011, ISSN 1333-2651, Opatija - Croatia [ISI - Index to Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok];
 18. Vocea I., **Vlăduţ V.**, Matache M. - *Realization of agricultural maps experimental models by determining the electro-conductivity in concept of precision agriculture*, PROCEEDINGS OF THE 39 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 321÷332, 2011, ISSN 1333-2651, Opatija - Croatia [ISI - Index to Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok];
 19. Vocea I., Pirnă I., **Vlăduţ V.**, Matache M., Bungescu S. - *Experimental, models of agricultural productivity maps obtained with the help of an information and satellite measurement system adaptable for different types of combines*, PROCEEDINGS OF THE 39 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 333÷342, 2011, ISSN 1333-2651, Opatija - Croatia [ISI - Index to Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok];
 20. Poenaru I., Paraschiv G., Voicu Gh., Moiceanu G., Biriş S.S., **Vlăduţ V.** - *Studies regarding the working process executed on ploughshare of planting machines*, 11th International Scientific Conference "ENGINEERING FOR RURAL DEVELOPMENT", pag. 22-26, vol. 11, ISSN 1691-5976, 24÷25.05.2012, Jelgava, Latvia [ISI - Indexed to: Web of Science, AGRIS; CAB ABSTRACTS; CABI full text; EBSCO Academic Search Complete; Elsevier, SCOPUS; PROQUEST database]
 21. Tudor A., Vlase M., Rădulescu A.V., Bojan E., Stepan E., **Vlăduţ V.** - *Experimental researches on biodegradable lubricants with multifunctional properties*, Conferința Internațională BALKANTRIB 2011 - revista JBTA (JOURNAL OF BALKAN TRIBOLOGICAL ASSOCIATION), vol. 18, nr. 1/2012, pag. 133-141, Octombrie, Salonic [ISI]
 22. Tudor A., Vlase M., Rădulescu A.V., Bojan E., Stepan E., **Vlăduţ V.** - *Experimental researches on biodegradable lubricants with multifunctional properties*, JOURNAL OF BALKAN TRIBOLOGICAL ASSOCIATION, vol. 18, nr. 2/2012, pag. 309-318, Salonic - Grecia [ISI]
 23. Biriş S. St., **Vlăduţ V.**, Ungureanu N., Matache M., Vocea I. - *Researches on the development of an equation for the contact area calculus for agricultural tires*, PROCEEDINGS OF THE 40 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 181÷194, 2012, ISSN 1333-2651, Opatija - Croatia [ISI - Index to Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok];
 24. Paraschiv G., Maican E., Biriş S.St. Paraschiv I., **Vlăduţ V.** - *Researches regarding the optimization of the seeds hopper from the universal seeds drill*, PROCEEDINGS OF THE 40 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 265÷274, 2012, ISSN 1333-2651, Opatija - Croatia [ISI Index to Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok];
 25. **Vlăduţ V.**, Moise V., Biriş S.St., Paraschiv G. - *Determining the cost matrix of straw cereals combine harvesters according to equipment quality and engine power*, PROCEEDINGS OF THE 40 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 333÷344, 2012, ISSN 1333-2651, Opatija - Croatia [ISI - Index to Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok];
 26. **Vlăduţ V.**, Biriş S.Şt., Bungescu T., Herişanu N. - *The influence of vibrations on the operator in the grain harvesters*, Proceedings of the The XIIth International Symposium „ACOUSTICS & VIBRATION OF MECHANICAL STRUCTURES”, Timișoara, May 23-24, 2013, Applied Mechanics and Materials, Vol. 430 (2013), pp 290-296, (2013) Trans Tech Publications, Switzerland, doi: 10.4028/www.scientific.net/AMM.430.290, ISSN 1662-7482 [ISI - Indexed to: Web of Science, SCOPUS, etc];
 27. Postelnicu E., **Vlăduţ V.**, Sorica C., Cardei P., Grigore I. - *Analysis of the sound power level emitted by portable electric generators (outdoor powered equipment) depending on location and measuring surface*, Proceedings of the The XIIth International Symposium „ACOUSTICS & VIBRATION OF MECHANICAL STRUCTURES”, Timișoara, May 23-24, 2013, Applied Mechanics and Materials, Vol. 430 (2013), pp 266-275, (2013) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.430.266, ISSN 1662-7482 [ISI];
 28. Voicu Gh., Poenaru I.C., Paraschiv G., Dincă M., **Vlăduţ V.** - *Theoretical modeling of working process of covering devices to miscanthus rhizomes planters*, PROCEEDINGS OF THE 42 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 139÷148, 2014, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
 29. Matache M., Cârdei P., **Vlăduţ V.**, Voicu Gh. - *Researches regarding experimental validation of structural analysis performed on resistance structures of agricultural machinery*, PROCEEDINGS OF THE 42 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 149÷160, 2014, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: Web of Science,

Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>

30. **Vlăduț V.**, Pirnă I., Florea C., Popescu C., Brătucu Gh., Kabas O., Păunescu D. - *Influence of the vibration amplitude on the quality of shredded medicinal vegetal material subjected to sorting*, PROCEEDINGS OF THE 42 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 273÷282, 2014, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
31. Constantin G., Voicu Gh., Stefan E. M., Maican E., Boureici A., **Vlăduț V.** - *Using of logistic function for the analysis of granulometric characteristics of products from the technological flow of a cereal mill*, PROCEEDINGS OF THE 42 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 305÷314, 2014, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
32. Voicea I., **Vlăduț V.**, Matache M., Danciu A., Voicu Gh. - *Influence of agricultural and forestry biomass physical characteristics on compacting/pelleting process*, PROCEEDINGS OF THE 42 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 387÷396, 2014, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
33. Voicea I., Voicu Gh., Cardei P., **Vlăduț V.**, Biriș S. - *A Mathematical Model of Chopped Miscanthus Briquetting Process*, The 8th International Conference INTER-ENG 2014 Interdisciplinarity in Engineering, 9 - 10 October 2014, "Petru Maior" University of Tîrgu Mureș, Procedia Technology (19) 2015, pages 750–757 ISSN: 2212-0173), <http://www.sciencedirect.com/science/article/pii/S2212017315001073> [ISI];
34. Ungureanu N., Croitoru Șt., Biriș S., Voicu Gh., **Vlăduț V.**, Selvi K.Ç., Boruz S., Marin E., Matache M., Manea D., Constantin G., Ionescu M. - *Agricultural soil compaction under the action of agricultural machinery*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 31÷42, 2015, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
35. Persu C., Matache M., **Vlăduț V.**, Biriș S., Cujbescu D., Paraschiv G., Voicea I., Ivancu B., Ivan Gh. - *Checking the mechanical resistance of an operator protection structures*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 123÷130, 2015, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
36. Matache M., Voicu Gh., Cardei P., **Vlăduț V.**, Persu C., Voicea I. - *Accelerated test of MAS 65 deep soil loosening machine frame*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 131÷140, 2015, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
37. **Vlăduț V.**, Biriș S., Bungescu S., Faur N., Cernescu A., Matache M., Kabaș O., Paraschiv G., Atanasov At., Ivan Gh. - *The verification of stress by MEF analysis/ mechanical testing of a traction bar*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 141÷152, 2015, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
38. Vlăduțoiu L., **Vlăduț V.**, Voiculescu I., Matache M., Radu O., Biriș S., Voicea I., Paraschiv G., Atanasov At., Usenko M. - *The increase of active bodies of agricultural machines in work by hardening*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 153÷164, 2015, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
39. Croitoru Șt., Marin E., Bădescu M., **Vlăduț V.**, Ungureanu N., Manea D., Boruz S., Matei Gh. - *Agrotechnical and energetic characteristics of new designed subsoiler*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 165÷176, 2015, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
40. Biriș S., **Vlăduț V.**, Faur N., Cernescu A., Kabaș O., Matache M., Voicea I., Bungescu S., Popescu C. - *FEM analysis / testing resistance of a tractor seat*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 189÷200, 2015, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
41. Roșu (Nițu) M., Matache M., **Vlăduț V.**, Cășândroi T., Bungescu S. - *Influence of the jet's angle size on the spraying process*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 275÷286, 2015, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
42. Cujbescu D., Voicu Gh., Bolintineanu Gh., **Vlăduț V.**, Manea D., Persu C., Bungescu S. - *Comparative study regarding the sowing precision of precision sowing machines distribution devices*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 307÷318, 2015, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
43. Ivan Gh., **Vlăduț V.** - *The intensification of shaking process to the conventional cereal harvesting combines*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 417÷430, 2015, ISSN 1333-2651, Opatija - Croația [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>

44. Ivan Gh., **Vlăduț V.**, Ganea I. - *Improving threshing system feeding of conventional cereal harvesting combine*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 431÷440, 2015, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
45. Ivancu B., Voicu Gh., Păun A., **Vlăduț V.**, Constantin G., Ilie F. - *Harmonic analysis of an vibrating feeder using "linear dynamics" module*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 505÷512, 2015, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
46. Ionescu M., Voicu Gh., Biriș S., Ungureanu N., **Vlăduț V.**, Voicea I., Persu C. - *About the oil expression process using screw presses withstrainers oil outlet*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 513÷524, 2015, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
47. Voicea I., **Vlăduț V.**, Cârdei P., Matache M., Găgeanu I., Voicu Gh., Popescu C., Paraschiv G., Kabas O. - *Compacting process and mathematical analysis of miscanthus briquettes expansion*, PROCEEDINGS OF THE 43 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 667÷676, 2015, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
48. Popescu C., Voicea I., **Vlăduț V.** - *Influence of Breakage Process on Increasing the Extraction Yield of Medicinal Plants Bioactive Substances*, Romanian Biotechnological Letters, Vol. 20, No. 4, 2015, pag. 10561-10571, <http://www.rombio.eu/rbl4vol20/cuprins.htm> (IF: 0.404)[ISI];
49. Kabas O., **Vlăduț V.** - *Determination of Drop Test Behavior of a Sample Peach Using Finite Element Method*, INTERNATIONAL JOURNAL OF FOOD PROPERTIES, pag. 2584÷2592, 2015, ISSN 1094-2912 (Print), 1532-2386 (Online) [ISI - Indexed to: *Chemical Abstracts, Engineering Index/COMPENDEX PLUS, Index Medicus/MEDLINE, Science Citation Index Expanded (SCIE)*]; <http://www.tandfonline.com/doi/full/10.1080/10942912.2014.994069#abstract> (IF = 0.906);
50. Ungureanu N., Vlăduț V., Voicu Gh., Biriș S.Șt., Ionescu M., Dincă M., Vlăduț D.I., Matache M. - *Influence of wheel load and tire inflation pressure on footprint area in static regime*, PROCEEDINGS OF THE 44 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 99÷110, 2016, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
51. Biriș S. Șt., Maican E., Vlăduț V., Bungescu S., Ungureanu N., Vlăduț D.I. - *Stress and strains distribution in the frame of agricultural cultivators using the finite element method*, PROCEEDINGS OF THE 44 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 111÷118, 2016, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
52. Matache M., Voicu Gh., Vlăduț V., Voicea I., Persu C. - *Simulation of transportation stress of agricultural implements within laboratory*, PROCEEDINGS OF THE 44 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 119÷127, 2016, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
53. Vlăduțoiu L., Andrei T., Marin E., Vlăduț V., Biriș S.Șt., Matache M., Fechet L., Dumitru I., Kiss I. - *Determination of soil resistance related to wear of a chisel share*, PROCEEDINGS OF THE 44 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 187÷194, 2016, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
54. Chițoiu M., Voicu Gh., Paraschiv G., Moiceanu G., Vlăduț V., Matache M., Marin E., Bunduchi G., Danciu A., Voicea I., Găgeanu I. - *Energy consumption of a hammer mill when chopping miscanthus stalks*, PROCEEDINGS OF THE 44 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 215÷224, 2016, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
55. Ionescu M., Voicu Gh., Biriș S.Șt., Vlăduț V., Ungureanu N., Ștefan E.M., Dincă M., Matache M. - *Oil extraction using a vertical press with piston*, PROCEEDINGS OF THE 44 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 249÷258, 2016, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
56. Pruteanu A., David L., Muscalu A., Vlăduț V. - *Quality of thymus (Thymus vulgaris) screening process in order to obtain bioactive extracts*, PROCEEDINGS OF THE 44 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 299÷310, 2016, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
57. Dincă M., Toma L., Ferdeș M., Voicu Gh., Paraschiv G., Moiceanu G., Vlăduț V. - *Optimization of biogas production by the addition of green Miscanthus x giganteus in anaerobic digester*, PROCEEDINGS OF THE 44 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 437÷446, 2016, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
58. Croitoru Șt., Vlăduț V., Marin E., Matache M., Dumitru I. - *Determination of subsoiler's traction force influenced by different working depth and velocity*, 15th International Scientific Conference "ENGINEERING FOR RURAL DEVELOPMENT", Proceedings, pag. 817-825, vol. 15, ISSN 1691-5976, 25÷27.05.2016, Jelgava, Latvia [ISI - Indexed to: *Web of Science, AGRIS; CAB ABSTRACTS; CABI full text; EBSCO Academic Search Complete; Elsevier, SCOPUS; PROQUEST database*];

59. Nițu M., Matache M., Vlăduț V., Imre K. - *Researches in optimizing the working process of machinery used for the treatment of field crops*, 15th International Scientific Conference "ENGINEERING FOR RURAL DEVELOPMENT", Proceedings, pag. 832-838, vol. 15, ISSN 1691-5976, 25÷27.05.2016, Jelgava, Latvia [ISI - Indexed to: Web of Science, AGRIS; CAB ABSTRACTS; CABI full text; EBSCO Academic Search Complete; Elsevier, SCOPUS; PROQUEST database];
60. Cujbescu D., Vlăduț V., Voicu Gh., Ungureanu N. - *Researches on obtaining higher qualitative indices for the sowing work*, 15th International Scientific Conference "ENGINEERING FOR RURAL DEVELOPMENT", Proceedings, pag. 1305-1311, vol. 15, ISSN 1691-5976, 25÷27.05.2016, Jelgava, Latvia [ISI - Indexed to: Web of Science, AGRIS; CAB ABSTRACTS; CABI full text; EBSCO Academic Search Complete; Elsevier, SCOPUS; PROQUEST database];
61. Kabas O., Vlăduț V. - *Determination of Some Engineering Properties of Pecan (Carya illinoensis) for New Design of Cracking System*, ERWERBS-OBSTBAU, Springer-Verlag Berlin Heidelberg, 2016, pag. 1-9, ISSN: 0014-0309 (Print) 1439-0302 (Online), DOI 10.1007/s10341-015-0255-5, <http://link.springer.com/article/10.1007/s10341-015-0255-5> (IF: 0.481) [ISI];
62. Moiceanu G., Voicu Gh., Dincă M., Ferdeș M., Paraschiv G., Vlăduț V. - *Influence of different types of substrate on the anaerobic fermentation process*, Romanian Biotechnological Letters, Vol. 21, No. 2/2016, pag. 11281-11289, http://www.rombio.eu/rbl2vol21/3_Moiceanu%20G.pdf (IF: 0.404) [ISI];
63. Moiceanu G., Voicu Gh., Ferdes M., Paraschiv G., Dinca M., Vlăduț V., Gageanu I., Chitoiu M. - *Comparative study on biogas production using cow and swine manure mixed with Miscanthus x giganteus as substrate*, Romanian Biotechnological Letters, Vol. 21 (5), pg. 11968-11973, http://www.rombio.eu/vol21nr5/-21_MOICEANU%20RBL%20deceembrie%202015-final.pdf (IF: 0.404) [ISI];
64. Vlăduțoiu L., Chișiu G., Andrei T., Predescu A., Muraru C., **Vlăduț V.** - *Penetration tests to study the mechanical tribological properties of chisel type knife*, The 13th International Conference on Tribology - ROTRIB'16, September 22-24, 2016 – Galați, ROMANIA, IOP Publishing, IOP Conference, Series: Materials Science and Engineering, vol. 174 (2017) 012050, pg. 1-8, doi:10.1088/1757-899X/174/1/012050, <http://iopscience.iop.org/article/10.1088/1757-899X/174/1/012050/meta>, WOS:000399753500050, ISSN: 1757-8981 [ISI - Indexed to: Web of Science, AGRIS; CAB ABSTRACTS; CABI full text; EBSCO Academic Search Complete; Elsevier, SCOPUS; PROQUEST database];
65. Ungureanu N., Vlăduț V., Biriș S. - *FEM modelling of soil behaviour under compressive loads*, International Conference on Applied Sciences (ICAS2016), Hunedoara, Romania, May 25-27, 2016, Materials Science and Engineering, Vol 163(2017), 012001, pg. 1-9, doi:10.1088/1757-899X/163/1/012001, <http://iopscience.iop.org/article/10.1088/1757-899X/163/1/012001/pdf>, [ISI];
66. Voicea I., Găgeanu I., Matache M., **Vlăduț V.** - *Innovative technology for obtaining bioenergy through the process of advanced anaerobic digestion*, 16th International Scientific Conference "ENGINEERING FOR RURAL DEVELOPMENT", pag. 181-186, ISSN 1691-5976, 24÷26.05.2017, Jelgava, Latvia [ISI - Indexed to: Web of Science, AGRIS; CAB ABSTRACTS; CABI full text; EBSCO Academic Search Complete; Elsevier, SCOPUS; PROQUEST database];
67. Găgeanu I., Voicu Gh., **Vlăduț V.**, Voicea I. - *Experimental research on influence of recipes used on quality of biomass pellets*, 16th International Scientific Conference "ENGINEERING FOR RURAL DEVELOPMENT", pag. 785-791, ISSN 1691-5976, 24÷26.05.2017, Jelgava, Latvia [ISI - Indexed to: Web of Science, AGRIS; CAB ABSTRACTS; CABI full text; EBSCO Academic Search Complete; Elsevier, SCOPUS; PROQUEST database];
68. Ivan Gh., **Vlăduț V.**, Ciuperca R., Moise V. - *Kinematic scheme of the equipment to reed harvesting machine MRS*, 16th International Scientific Conference "ENGINEERING FOR RURAL DEVELOPMENT", pag. 841-847, ISSN 1691-5976, 24÷26.05.2017, Jelgava, Latvia [ISI - Indexed to: Web of Science, AGRIS; CAB ABSTRACTS; CABI full text; EBSCO Academic Search Complete; Elsevier, SCOPUS; PROQUEST database];
69. Vlăduț D.I., **Vlăduț V.**, Grigore I., Biriș S. - *Experimental research in qualitative indices of work for equipment for seedbed preparation in conservative system*, 16th International Scientific Conference "ENGINEERING FOR RURAL DEVELOPMENT", pag. 1174-1179, ISSN 1691-5976, 24÷26.05.2017, Jelgava, Latvia [ISI - Indexed to: Web of Science, AGRIS; CAB ABSTRACTS; CABI full text; EBSCO Academic Search Complete; Elsevier, SCOPUS; PROQUEST database];
70. Vlăduțoiu L., Cârdei P., **Vlăduț V.**, Fechet L. - *Modern trends in designing and selecting the machine / equipment for soil deep tillage*, 16th International Scientific Conference "ENGINEERING FOR RURAL DEVELOPMENT", pag. 1415-1420, ISSN 1691-5976, 24÷26.05.2017, Jelgava, Latvia [ISI - Indexed to: Web of Science, AGRIS; CAB ABSTRACTS; CABI full text; EBSCO Academic Search Complete; Elsevier, SCOPUS; PROQUEST database];
71. Biriș S.Șt., Ungureanu N., Gheorghită N.E., Maican E., **Vlăduț V.** - *Theoretical research on enhancing the performance of cultivators working bodies*, PROCEEDINGS OF THE 45 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 121-130, 2017, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
72. **Vlăduț V.**, Marin E., Grigore I., Biriș S.Șt., Ungureanu N., Gheorghe G., Matache M., Persu C., Voicea I., Cujbescu D., Bungescu S., Kiss I., Vlad C. - *Field and laboratory wear testing of integral seedbed implement's chisel tines point*, PROCEEDINGS OF THE 45 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 131÷140, 2017, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
73. Croitoru Șt., **Vlăduț V.**, Voicea I., Gheorghe Gh., Marin E., Vlăduțoiu L., Moise V., Boruz S., Pruteanu A., Andrei S., Păunescu D. - *Structural and kinematic analysis of the mechanism for arable deep soil loosening*, PROCEEDINGS OF THE 45 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 207÷216, 2017, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
74. **Vlăduț V.**, Gheorghe G., Marin E., Biriș S.Șt., Paraschiv G., Cujbescu D., Ungureanu N., Găgeanu I., Moise V., Boruz S. - *Kinestatic analysis of the mechanism of deep loosening system of arable soil*, PROCEEDINGS OF THE 45 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 217÷228, 2017, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; <http://atae.agr.hr/>
75. Cujbescu D., Matache M., **Vlăduț V.**, Bolintineanu Gh., Persu C., Voicea I., Voicu Gh., Ungureanu N. - *Validation of mathematical model regarding the horizontal movement of seeds detached from the orifices of distributing disk*, PROCEEDINGS OF THE 45 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 229÷238, 2017, ISSN 1333-2651,

- Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
76. Moise V., **Viăduț V.**, Tabără I., Adîr G., Moise Șt.I., Dudici L., Niculae E., Rotaru Al.- *The synthesis of the digging pits mechanisms for shrubs with the precise-mathematical drawing of a curve*, PROCEEDINGS OF THE 45 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 239÷248, 2017, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
 77. Sorică E., David L., **Viăduț V.**, Sorică C., Grigore I., Rotaru A., Zaica A. - *Kinetostatic analysis of separator within miscanthus rhizome harvesting machine*, PROCEEDINGS OF THE 45 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 249÷258, 2017, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
 78. Chițoiu M., Voicu Gh., Paraschiv G., Moiceanu G., **Viăduț V.**, Matache M., Grigore I., Bunduchi G., Vocea I., Găgeanu I. - *Comparison of energy consumption of a hammer mill during chopping miscanthus stalks and energetic willow*, PROCEEDINGS OF THE 45 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 259÷268, 2017, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
 79. Pruteanu A., **Viăduț V.**, Ungureanu N. - *Characterization of chicory herb (Cichorium intybus) of separation process on length of flat vibrating sieves*, PROCEEDINGS OF THE 45 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 339÷350, 2017, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
 80. Dincă M., Voicu Gh., Toma L., Ferdeș M., Vocea I., Ungureanu N., Paraschiv G., Moiceanu G., **Viăduț V.** - *Biogas production from anaerobic co-digestion of cow manure and Miscanthus x giganteus*, Romanian Biotechnological Letters, Vol. 22, No. 6, 2017, pag. 13035-13044, https://www.rombio.eu/vol22nr6/14_Paper%20for%20RBL_Dinc%C2%A6%20M.pdf (IF: **0.404**) [ISI];
 81. Ungureanu N., **Viăduț V.**, Persu C., Cujbescu D., Oprescu M. R., Vocea I. - *Study on the compaction under front and rear wheel of a 40 kW tractor on plowed soil*, PROCEEDINGS OF THE 46 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 189- 199, 2018, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
 82. Ungureanu N., **Viăduț V.**, Biriș S.-Ș., Paraschiv G., Dincă M., Zăbavă B. Ș., Ștefan V., Gheorghită N. E. - *FEM modelling of machinery induced compaction for the sustainable use of agricultural sandy soils*, PROCEEDINGS OF THE 46 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 201-211, 2018; <http://atae.agr.hr/>
 83. Ungureanu N., **Viăduț V.**, Biriș S.Ș., Matache M. - *Research in distribution of pressure in soil depth under wheels of different machines*, 17th INTERNATIONAL SCIENTIFIC CONFERENCE: ENGINEERING FOR RURAL DEVELOPMENT, Jelgava, 23.-25.05.2018, pp. 342-349, 2018 [SCOPUS, ISI Proceedings], WOS: 000805412200051, DOI: 10.22616/ERDev2018.17.N406;
 84. Ungureanu N., **Viăduț V.**, Voicu Gh., Dincă M., Zăbavă B. - *Influence of biomass moisture content on pellet properties - review*, 17th INTERNATIONAL SCIENTIFIC CONFERENCE: ENGINEERING FOR RURAL DEVELOPMENT, Jelgava, 23.-25.05.2018, pp. 1876-1883, 2018 [SCOPUS, ISI Proceedings], WOS: 000805412200051, DOI: 10.22616/ERDev2018.17.N449;
 85. Popa L., Moise IS., Vladut V., Dudici L., Stefan V., - *Kinematic Study Of Folding Bridge*, 17th INTERNATIONAL SCIENTIFIC CONFERENCE: ENGINEERING FOR RURAL DEVELOPMENT, Jelgava, 23.-25.05.2018, pp. 531-536, 2018 [SCOPUS, ISI Proceedings], WOS: 000805412200079, DOI: 10.22616/ERDev2018.17.N124;
 86. Dincă M., Ferdeș M., Zăbavă B., Paraschiv G., Ungureanu N., **Viăduț V.**, Moiceanu G. - *Lignocellulosic biomass pretreatment by hydrolytic fungal strains*, PROCEEDINGS OF THE 46 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 349÷358, 2018, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
 87. Moiceanu G., Chițoiu M., Voicu Gh., Paraschiv Gh., **Viăduț V.**, Găgeanu I., Dincă M. - *Comparison between miscanthus and willow energy consumption during grinding*, PROCEEDINGS OF THE 46 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 369÷378, 2018, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
 88. Sorică C., Ferdeș M., Pirnă I., **Viăduț V.**, Sorică E., Grigore I. - *Effects of UV-C irradiation upon the reference strains of some food-associated microorganisms*, PROCEEDINGS OF THE 46 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 379÷388, 2018, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
 89. Sorică C., Vintilă M., **Viăduț V.**, Matache M., Sorică E., Grigore I. - *Energy indices of an equipment during fast freezing of berries*, PROCEEDINGS OF THE 46 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 429÷438, 2018, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
 90. Pruteanu A., **Viăduț V.**, Matache M., Nițu M. - *Experimental researches on the quality of sorting process of medicinal plants*, PROCEEDINGS OF THE 46 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 473÷484, 2018, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
 91. Cârlescu P.M., Țenu I., Roșca R., Muscalu A.T., **Viăduț N.V.** - *CFD simulation of an innovative vertical dryer for agricultural seeds drying*, PROCEEDINGS OF THE 46 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 407÷418, 2018, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
 92. Sorică E., **Viăduț V.**, Cârdei P., Sorică C., Brăcăcescu C. - *Comparative analysis of the noise and vibration transmitted to the operator by a brush cutter*, Proceedings of the XIV-th International Conference „ACOUSTICS AND VIBRATION OF MECHANICAL STRUCTURES – AVMS-2017”, 26.05.2017, Timișoara, published by „Springer Proceedings in Physics”, ISSN 0930-8989, pag. 165-172 [ISI - Index to: *Web of Science and SCOPUS*]; <https://ocs.springer.com/prom/home/avms2017>;

93. Vlăduț D.I., Biriș S., **Vlăduț V.**, Cujbescu D., Ungureanu N., Găgeanu I. – *Verification of stress by FEM analysis / mechanical testing of agricultural mobile aggregates couplig device*, INMATEH – AGRICULTURAL ENGINEERING, vol. 54, no. 1 / 2018, pag. 37-46 [ISI];
94. Brăcăcescu C., **Vlăduț V.**, Soric E., Popescu S., Sorică C. - *Considerations regarding vibrating platforms eletromagnetically driven*, Proceedings of the XIV-th International Conference „ACOUSTICS AND VIBRATION OF MECHANICAL STRUCTURES – AVMS-2017”, 26.05. 2017, Timișoara, published by „Springer Proceedings in Physics”, ISSN 0930-8989, pag. 271-278 [ISI - Index to: *Web of Science and SCOPUS*], <https://ocs.springer.com/prom/home/avms2017>;
95. Ștefan V., Cârdei P., **Vlăduț V.**, Popa L., Ciuperca R., Ungureanu N. - *Mathematical model for particle motion applied on a manure spreading apparatus used in environmentally friendly technology*, Environmental Engineering and Management Journal, January 2018, Vol.17, No. 1, pag. 217-227, (IF: 1.186) <http://www.eemj.icpm.tuiasi.ro/>; <http://www.eemj.eu> [ISI];
96. Vlăduț D.I., Biriș S., **Vlăduț V.**, Cujbescu D., Ungureanu N., Găgeanu I. - *Experimental researches on the working process of a seedbed preparation equipment for heavy soils*, INMATEH – AGRICULTURAL ENGINEERING, vol. 55, no. 2 / 2018, pag. 27-34 [ISI];
97. Pruteanu A., Popescu C., **Vlăduț V.**, Găgeanu I. - *Biochemical analysis of some vegetal extracts obtained from indigenous spontaneous species of (Thymus serpyllum L.)*, Romanian Biotechnological Letters, Vol. 23, No. 5, 2018, pag. 14013-14024, <https://www.rombio.eu/vol23nr5/14.pdf> (IF: 0.59) [ISI];
98. Popescu (Popiniuc) C., Popescu C., Manea St., **Vlăduț V.**, Voicea I., Covaliu C., Abbas H., Dune A., Lupuleasa D. - *The influence of extraction solvent on the active principles content of portulaca oleracea native species*, REVISTA DE CHIMIE 69 (10) / 2018, pag. 2682-2692, [http://www.revistadechimie.ro/pdf/16%20POPESCU%20\(POPINIUC\)%2010%2018.pdf](http://www.revistadechimie.ro/pdf/16%20POPESCU%20(POPINIUC)%2010%2018.pdf), (IF: 1.605) [ISI];
99. Popescu (Popiniuc) C., Popescu C., Manea St., **Vlăduț V.**, Caba I., Covaliu C., Abbas H., Dune A., Lupuleasa D. - *Study on Portulaca Oleracea native species as vegetal source of Omega-3 and Omega-6 fatty acids*, REVISTA DE CHIMIE 69 (11) / 2018, pag. 2973-2980, <http://www.revistadechimie.ro/pdf/4%20POPESCU%20POPINIUC%2011%2018.pdf>, (IF: 1.605) [ISI];
100. Pruteanu A., Bordean D.-M., **Vlăduț V.** - *Accumulation of heavy metals in vegetables grown on contaminated soils*, PROCEEDINGS OF THE 47 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 135-146, 2019, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
101. Ungureanu N., **Vlăduț V.**, Istrate I., Zăbavă B., Tociu C., Ferdeș M., Dincă M. - *Advanced electrochemical treatment of the wastewater from cattle farm*, PROCEEDINGS OF THE 47 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 147-158, 2019, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
102. Zăbavă B., Ipate G., Voicu Gh., Dincă M., Ungureanu N., Ferdeș M., **Vlăduț V.** - *Smart system to monitor wastewater treatment based on Raspberry Pi computer*, PROCEEDINGS OF THE 47 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 159-166, 2019, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
103. Stan (TUDORA) C., Vlăduțoiu L., **Vlăduț V.**, Muscalu A. - *Harvest and quality of hyssop (Hyssopus officinalis L.)*, PROCEEDINGS OF THE 47 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 315-323, 2019, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
104. Moiceanu G., Voicu Gh., Paraschiv Gh., **Vlăduț V.**, Cârdei P., Dincă M. - *Relationships analysis between the grinding parameters of Miscanthus giganteus stalks using a hammer mill*, PROCEEDINGS OF THE 47 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 399-408, 2019, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
105. Arsenoaia V., **Vlăduț V.**, Țenu I., Voicea I., Cârlesc P.M. - *Drying process modeling with effects of physical parameters on dehydrated seeds*, PROCEEDINGS OF THE 47 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", pag. 333-342, 2019, ISSN 1333-2651, Opatija - Croatia [ISI - Indexed to: *Web of Science, Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok*]; <http://atae.agr.hr/>
106. Arsenoaia V., **Vlăduț V.**, Țenu I., Voicea I., Cârlesc P. M. - *Mathematical modeling and numerical simulation of the drying process of seeds in a pilot plant*, INMATEH – AGRICULTURAL ENGINEERING, vol. 57, no. 1 / 2019, pag. 55-62, https://www.inmateh.eu/INMATEH_1_2019/57-06-Arsenoaia.pdf [ISI];
107. Carpus E., Dorogan A., Matache M.-G., **Vlăduț V.** - *Creativity, innovation and future - the key points regarding the "architecture" for the production of agro-textiles*, INDUSTRIA TEXTILA, Vol. 70, Issue 6, pag. 547-551, http://www.revistaindustriatextila.ro/images/2019/6/009%20EFTALEA%20CARPUS_Industria%20Textila%206_2019.pdf (IF: 0.784) [ISI];
108. Żelaziński T., Ekielski A., Tułska E., **Vlăduț V.**, Durczak K. - *Wood dust application for improvement of selected properties of thermoplastic starch*, INMATEH – AGRICULTURAL ENGINEERING, vol. 58, no. 2 / 2019, pag. 37-44 [ISI];
109. Apostol L., Belc N., Gaceu L., **Vlăduț V.**, Oprea O.B. - *Chemical Composition and Rheological Parametrs of Helianthus Tuberosus Flour Used as a Sources of Bioactive Compounds in Bakery*, REVISTA DE CHIMIE 70 (6) / 2019, pag. 2048-2053, <http://www.revistadechimie.ro/pdf/33%20APOSTOL%206%2019.pdf>, (IF: 1.605) [ISI];
110. Belc N., Mustățeja G., Apostol L., Iorga S., **Vlăduț V.**, Moșoiu C. - *Cereal supply chain waste in the context of circular economy*, 8th International Conference on Thermal Equipment, Renewable Energy and Rural Development (TE-RE-RD 2019), Târgoviște – Romania, 6 - 9 June 2019, E3S Web of Conferences 112, 03031 (2019), pag. 1-8, DOI: <https://doi.org/10.1051/e3sconf/201911203031> [ISI], https://www.e3s-conferences.org/articles/e3sconf/pdf/2019/38/e3sconf_te-re-rd18_03031.pdf;
111. Ungureanu N., Vlăduț V., Cujbescu D. - *Soil compaction under the wheel of a sprayer*, 8th International Conference on Thermal Equipment, Renewable Energy and Rural Development (TE-RE-RD 2019), Târgoviște – Romania, 6 - 9 June 2019, E3S Web of Conferences 112, 03027 (2019), pag. 1-10, DOI: <https://doi.org/10.1051/e3sconf/201911203027> [ISI], https://www.e3s-conferences.org/articles/e3sconf/pdf/2019/38/e3sconf_te-re-rd18_03027.pdf;
112. Maican E., **Vlăduț V.**, Vilcu C., Sorică C., Dorian M., Mirea D.P., Bogățeanu R. - *Hybrid renewable energy systems for isolated farms. A review*, INMATEH – AGRICULTURAL ENGINEERING, vol. 59, no. 3 / 2019, pag. 77-92 [ISI];
113. Cujbescu D., Ungureanu N., **Vlăduț V.**, Persu C., Oprescu R., Gheorghită E. - *Field testing of compaction characteristics for farm tractor universal 445*, INMATEH – AGRICULTURAL ENGINEERING, vol. 59, no. 3 / 2019, pag. 245-252 [ISI];

114. Belc N., Apostol L., Vlăsceanu G., Moşoiu C., Manasaia T., **Vlăduţ V.**, Sanmartin A. M. - *Valorification as functional ingredients of some – by-products from dietary supplement processing*, ROMANIAN BIOTECHNOLOGICAL LETTERS, vol. 25 (1), pp. 1178-1185, ISSN print: 1224-5984; ISSN online: 2248-3942, doi: [10.25083/rbl/25.1/1178.1185](https://doi.org/10.25083/rbl/25.1/1178.1185) (IF = 0.59);
115. Matei Gh., **Vlăduţ V.**, Isticioaia S., Panzaru RL Popa D. - *Potential of jerusalem artichoke (Helianthus tuberosus L.) as a biomass crop*, SCIENTIFIC PAPERS-SERIES A-AGRONOMY, Vol. 63, Issue: 1, pp: 387-393, Published: 2020, ISSN 2285-5785; ISSN CD-ROM 2285-5793; ISSN Online 2285-5807; ISSN-L 2285-5785, http://agronomyjournal.usamv.ro/pdf/2020/issue_1/Art53.pdf [ISI];
116. Matei Gh., **Vlăduţ V.**, Dodocioiu A. M., Toader M. - *Study regarding the optimization of grain sorghum cultivation technology*, SCIENTIFIC PAPERS-SERIES A-AGRONOMY, Vol. 63, Issue: 2, pp: 145-152, Published: 2020, ISSN 2285-5785; ISSN CD-ROM 2285-5793; ISSN Online 2285-5807; ISSN-L 2285-5785 [ISI];
117. Catana L., Lazar M.A., Catana M., Burnete AG, Teodorescu RI, Asanica AC, Onache AP, Sumedrea D., Belc N., **Vlăduţ N.V.** - *Content in bioactive compounds and antioxidant capacity of flours obtained from winemaking by-products*, SCIENTIFIC PAPERS-SERIES B-HORTICULTURE, Volume: 64, Issue: 2, Pages: 375-381 [ISI];
118. Cujbescu D., Biriş S.Şt., Voicu Gh., Matache M., Paraschiv G., **Vlăduţ V.**, Bularda M., Ungureanu N. - *Determination of sowing precision in simulated laboratory conditions*, INMATEH – AGRICULTURAL ENGINEERING, vol. 61, no. 2 / 2020, pag. 209-216, DOI: <https://doi.org/10.35633/inmateh-61-23> [ISI];
119. Bularda M., Vişinescu I., Ghiorghe A., **Vlăduţ V.**, Cujbescu D. - *The effect of conservative agricultural works on soil and field plants and optimized mechanization technologies*, INMATEH – AGRICULTURAL ENGINEERING, vol. 61, no. 2 / 2020, pag. 323-338, DOI: <https://doi.org/10.35633/inmateh-61-35> [ISI];
120. Dumitru O.M., Iorga S., **Vlăduţ V.**, Bracacescu C. - *Food losses in primary cereal production: a review*, INMATEH – AGRICULTURAL ENGINEERING, vol. 62, no. 3 / 2020, pp.: 133-146, DOI: <https://doi.org/10.35633/inmateh-62-14>
121. Mircea C., Nenciu F., **Vlăduţ V.**, Voicu Gh., Gageanu I., Cujbescu D. - *Increasing the performance of cylindrical separators for cereal cleaning, by using an inner helical coil*, INMATEH – AGRICULTURAL ENGINEERING, vol. 62, no. 3 / 2020, pp. 249-258, DOI: <https://doi.org/10.35633/inmateh-62-26>;
122. Ungureanu N., **Vlăduţ V.**, Voicu Gh. - *Water Scarcity and Wastewater Reuse in Crop Irrigation*, SUSTAINABILITY 2020, vol. 12(21), 9055; <https://doi.org/10.3390/su12219055> (IF: 3,257) [ISI];
123. Vocea I., Dumitru D., **Vlăduţ V.** - *Experimental research regarding influence of soil electrode conductivity and pH data on productivity of agricultural cereal crops*, 19th International Scientific Conference *Engineering for Rural Development*, 20.-22.05.2020. Jelgava, LATVIA, vol. 19, pp. 1674-1679 (<http://www.tf.llu.lv/conference/>), DOI: 10.22616/ERDev.2020.19.TF434; ISSN: 1691-3043; eISSN: 1691-5976; WOS: 000815085500239;
124. Ungureanu N., **Vlăduţ V.**, Biriş, S.St. - *Capitalization of wastewater-grown algae in bioethanol production*, 19th International Scientific Conference *Engineering for Rural Development*, 20.-22.05.2020. Jelgava, LATVIA, vol. 19, pp. 1859-1864 (<http://www.tf.llu.lv/conference/>), DOI: 10.22616/ERDev.2020.19.TF507; ISSN: 1691-3043; eISSN: 1691-5976; WOS: 000815085500267;
125. Stan (Tudora) C., Muscalu A., Nae GV., Popescu C., Burnichi F., **Vlăduţ VN** - *Technological aspects regarding holy basil (ocimum sanctum L., fam. lamiaceae) cultivation and essential oil production*, PROCEEDINGS OF THE 48 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", vol. 48, pag. 209-218, 2021, ISSN 1333-2651, Opatija – Croatia, WOS: 000664133000022 [ISI];
126. Sorica C., **Vlăduţ V.**, Grigore I., Cristea M., Sorica E., Pirna I., Preda D., Duran B. - *Technical performances of a portable UV-C device used for the decontamination of various working spaces*, PROCEEDINGS OF THE 48 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", vol. 48, pag. 311-320, 2021, ISSN 1333-2651, Opatija – Croatia, WOS: 000664133000033 [ISI];
127. Cârdei P., Tudora C., **Vlăduţ V.**, Pruteanu A., Găgeanu I., Cujbescu D., Bordean D*, Ungureanu N*, Cristea O. - *Mathematical model to simulate the transfer of heavy metals from soil to plant*, SUSTAINABILITY 2021, vol. 13(11), 6157, DOI: [10.3390/su13116157](https://doi.org/10.3390/su13116157) (IF: 3,889), WOS: 000660768600001 [ISI];
128. Vezirov C.Z., Atanasov A.Z., **Vlăduţ V.** - *Calculation of field capacity and fuel consumption of mobile machinery with bunkers, tanks or other containers for agricultural goods*, INMATEH - Agricultural Engineering, 63(1), pp. 19-28, WOS: 000683032400002 [ISI];
129. Rădoi R.I., Dumitrescu L., Chiriţă Al.P., **Vlăduţ N.V.** - *Remote monitoring of energy production and efficiency of an off-grid photovoltaic system*, INMATEH - Agricultural Engineering, 64(2), pp. 131-140, DOI: [10.35633/inmateh-64-12](https://doi.org/10.35633/inmateh-64-12), WOS: 000709094600011 [ISI];
130. Isticioaia S., Apostol L., Matei Gh., Mârzan O., Pintilie P., Troţuş E., Leonte A., **Vlăduţ V.**, Cristea O., Oprea B., Furdui B., Marinciu C., Bularda M. - *Variation of tuber yields and quality at some Jerusalem artichoke genotypes in pedoclimatic conditions from center of Moldova and the plain of Oltenia, Romania*, ROMANIAN AGRICULTURAL RESEARCH, no. 38, 2021, pp: 337-343, Published: 2021, ISSN 1222-4227 (p); ISSN 2067-5720 (on line); <https://www.inceda-fundulea.ro/rar/nr38/rar38.35.pdf> (IF: 0,633); WOS:000681706500035 [ISI];
131. Cujbescu D., Gageanu I., Persu C., Matache M., **Vlăduţ V.**, Vocea I., Paraschiv G., Biriş S.St., Ungureanu N., Voicu Gh., Ipate G. - *Simulation of sowing precision in laboratory conditions*, APPLIED SCIENCES-BASEL, Volume: 11, Issue: 14, Article Number: 6264, Published: JUL 2021, DOI: [10.3390/app11146264](https://doi.org/10.3390/app11146264) (IF: 2,838); WOS: 000675989600001 [ISI];
132. Găgeanu I., Cujbescu D., Persu C., Tudor P., Cârdei P., Matache M., **Vlăduţ V.**, Biriş S.St., Vocea I., Ungureanu N. - *Influence of input and control parameters on the process of pelleting powdered biomass*, ENERGIES, Volume: 14, Issue: 14, Article Number: 4104, Published: JUL 2021, DOI: [10.3390/en14144104](https://doi.org/10.3390/en14144104) (IF: 3,252), WOS: 000676151400001 [ISI];
133. Cârdei P., Nenciu F., Ungureanu N., Pruteanu A., **Vlăduţ V.**, Cujbescu D., Gageanu I., Cristea O. - *Using Statistical Modeling for Assessing Lettuce Crops Contaminated with Zn, Correlating Plants Growth Characteristics with the Soil Contamination Levels*, APPLIED SCIENCES-BASEL, Volume: 11, Issue: 17, Article Number: 8261, Published: SEPTEMBER 2021, DOI: [10.3390/app11178261](https://doi.org/10.3390/app11178261) (IF: 2,838), WOS: 000694171100001;
134. Georgescu M., Oancea E-F, Drăghici G.A., Dehelean C-A*, Şoica C., **Vlăduţ N-V**, Nica D.V.* - *Effects of Cadmium Sulfate on the Brown Garden Snail Cornu aspersum: Implications for DNA methylation*, TOXICS, Sections Ecotoxicology, Volume 9, Issue 11, pp. 1-11, Article Number: 0306, Published: November, <https://www.mdpi.com/2305-6304/9/11/306>, DOI: <https://doi.org/10.3390/toxics9110306>, ISSN 2305-6304 (IF: 4,472), WOS: 000725096600001; 
135. Nenciu F., Mircea C., **Vlăduţ V.**, Belc N., Berca L. - *Evaluation of wheat seed separation performances for new design of rotating cylindrical sieve, equipped with customizable homogenization coil*, 20th International Scientific Conference *Engineering for Rural Development*, 26-28.05.2021. Jelgava, LATVIA, vol. 20, pp. 1478-1483 (<https://www.tf.llu.lv/conference/proceedings2021/>), ISSN 1691-5976; WOS:000817951600211;

136. Nenciu F., **Viăduț V.** - *Studies on the perspectives of replacing the classic energy plants with Jerusalem artichoke and Sweet Sorghum, analyzing the impact on the conservation of ecosystems*, INTERNATIONAL CONFERENCE ON SUSTAINABLE FUTURE AND ENVIRONMENTAL SCIENCE 2021, IOP Conference Series-Earth and Environmental Science, vol. 635, Article Number: 012002, DOI: [10.1088/1755-1315/635/1/012002](https://doi.org/10.1088/1755-1315/635/1/012002), ISSN 1755-1307, WOS:000684958700002
137. Popescu E., Nenciu F., **Viăduț V.** - *A new strategic approach used for the regeneration of soil fertility, in order to improve the productivity in ecological systems*, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. XI, 2022, pp. 277-284, (IF: 0,4); Print ISSN 2285-6064, CD-ROM ISSN 2285-6072, Online ISSN 2393-5138, ISSN-L 2285-6064, <https://landreclamationjournal.usamv.ro/pdf/2022/Art33.pdf>, WOS: 000931961700031;
138. Tudora C., Muscalu A., Burnichi F., Popescu C., Gatea F., Siciua O-A., **Viăduț V.**, Roming-Israel F. - *Evaluation of essential oil and hydrolate from a new hyssop variety (Hyssopus officinalis L.)*, NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ NAPOCA, vol. 50, Issue 2, page 1-17, Article Number: 12639, Published: 2.06.2022 (IF: 1,8), DOI: <https://doi.org/10.15835/nbha50212639>; WOS: 000892869700003
139. Matei Gh., Paraschiv M., **Viăduț V.**, Pânzaru R.L., Popa L-D. - *New genotypes of sweet sorghum and their biomass yields in the sustainable agriculture system*, SCIENTIFIC PAPERS. SERIES A. AGRONOMY, Vol. 65, No. 1, pp. 415-421, 2022, Romania (IF: 0,3); WOS: 000861074500061;
140. Stan (Tudora) C., Muscalu A., **Viăduț N-V**, Popescu C., Burnichi F., Israel-Roming F. - *Comparative study of essential oils obtained from two Basil taxa*, International Conference "Agriculture for Life, Life for Agriculture", SCIENTIFIC PAPERS. SERIES A. AGRONOMY, Vol. LXV, No. 1, pp. 526-532, 2022, Romania (IF: 0,3); WOS: 000861074500077
141. Matei Gh., Popescu DI., Panzaru L., Paraschiv M., **Viăduț V.**, Popa LD - *Compensatory payments granted by measure 11 - organic agriculture in Valcea county (2015-2020)*, SCIENTIFIC PAPERS-SERIES MANAGEMENT ECONOMIC ENGINEERING IN AGRICULTURE AND RURAL DEVELOPMENT, vol. 22, Issue 1, page 407-412, Published: 2.06.2022 (IF: 1,4); WOS: 000798307300048;
142. Teliban G-C., Stoleru V., Birescu G., Mihalache G., Burducea M., Munteanu N., Țopa D., Matei Gh., Rădeanu G., Popa L-D., **Viăduț N-V.*** - *The response of runner bean crop to irrigation and fertilization*, ROMANIAN AGRICULTURAL RESEARCH, no. 39, pag. 1-13, 2022, Print ISSN 1222-4227; Online ISSN 2067-5720, NARDI Fundulea, Romania (IF: 0,7), <https://www.inceda-fundulea.ro/rar/nr39fol/rar39.35.pdf>; WOS: 000797195000026
143. Popa L-D., Buburuz A., Troțuș E., **Viăduț N-V**, Teliban G-C., Agapia A.L., Puia I., Burducea M., Melucă C., Pintilie P-L., Matei Gh. - *Recent progress in monoecious hemp variety for seed, obtained in Romania*, ROMANIAN AGRICULTURAL RESEARCH, no. 39, pag. 1-8, 2022, Print ISSN 1222-4227; Online ISSN 2067-5720, NARDI Fundulea, Romania (IF: 0,7), <https://www.inceda-fundulea.ro/rar/nr39fol/rar39.38.pdf>; WOS: 000797195000029
144. Deak G., Raischi N., Lumînăroiu L., Raischi M., **Viăduț N-**, Prangate R., Noor NM - *The Influence of Atmospheric Stability on PM10 Concentrations in Urban Areas*, Proceedings of the 3rd International Conference on Green Environmental Engineering and Technology, IConGEET 2021, eBook ISBN 978-981-16-7920-9, Penang, Malaysia (Springer), Pages 51-55, <https://link.springer.com/book/10.1007/978-981-16-7920-9?fbclid=IwAR1Z0gHOaPbgH-6nPxh9N21TbRkpmjUyo19a5EnZ6lEnu6LJpZENiirPV4>, WOS: 000774710100007
145. Nenciu F., Paraschiv M., Kuncser R., Stan C., Cocarta D., **Viăduț V.N.** - *High-Grade Chemicals and Biofuels Produced from Marginal Lands Using an Integrated Approach of Alcoholic Fermentation and Pyrolysis of Sweet Sorghum Biomass Residues*, SUSTAINABILITY, Volume: 14 (1), Article Number: 402, Published: DECEMBER 2021, Special Issue: *Environmental Risk Assessment and Sustainable Remediation Approaches*, <https://doi.org/10.3390/su14010402> (IF: 3,9); WOS: 000751395200001 [Q2]
146. Nenciu F., Stanculescu I., Vlad H., Gabur A., Turcu OL., Apostol T., **Viăduț VN.**, Cocarta D., Stan C. - *Decentralized Processing Performance of Fruit and Vegetable Waste Discarded from Retail, Using an Automated Thermophilic Composting Technology*, SUSTAINABILITY, Volume: 14 (5), Article Number: 2835, Published: MAR 2022, Special Issue: *Environmental Risk Assessment and Sustainable Remediation Approaches*, <https://doi.org/10.3390/su14052835> (IF: 3,9); WOS: 000771527000001 [Q2]
147. Stan (Tudora) C., Cârdei P., Muscalu A., Boiu-Siciua O.A., **Viăduț N-V**, Israel-Roming F. - *Statistical analysis on the potential antifungal activity of some essential oils obtained from medicinal plants*, AGROLIFE Scientific Journal, vol. 11 (1), pag. 211-220, ISSN 2285-5718, (IF: 0,5); eISSN 2286-0126; WOS: 000820323400055;
148. Sarfraz M., **Viăduț N-V.**, Cioca L-I., Ivascu L. - *Teaching strategies and students' academic performance in agriculture studies: the mediating effect of teachers' self-efficacy*, INMATEH – Agricultural Engineering, vol. 68 (3) / 2022, pp. 767-780, (IF: 0,7); DOI: <https://doi.org/10.35633/inmateh-68-76>; WOS: 000907185300001
149. Ungureanu N., **Viăduț N-V.***, Biriș S.Șt. - *Sustainable valorization of waste and by-products from sugarcane processing*, SUSTAINABILITY 2022, 14(17), Section – Waste and Recycling, Special Issue - Environmental Risk Assessment and Sustainable Remediation Approaches, DOI: 10.3390/su141711089, Article number: 11089; (IF: 3,9); WOS: 000851990700001; [Q2]
150. Nenciu F., Voicea I., Cocrăță M.D., **Viăduț N-V.***, Matache M., Arsenoaia N.V. - *Zero-waste food production system aimed to support the synergic interaction between aquaculture and horticulture*, SUSTAINABILITY 14 (20), Section – Waste and Recycling, Special Issue - Environmental Risk Assessment and Sustainable Remediation Approaches, Article Number13396, (IF: 3,9); DOI: [10.3390/su142013396](https://doi.org/10.3390/su142013396); WOS: 000873669900001; [Q2]
151. **Viăduț N-V.**, Biriș S.St., Cârdei P., Găgeanu I., Cujbescu D., Ungureanu N., Popa L.-D., Perișoară L., Matei G., Teliban G.-C. - *Contributions to the Mathematical Modeling of the Threshing and Separation Process in An Axial Flow Combine*, AGRICULTURE 2022, 12 (10), 1520. <https://doi.org/10.3390/agriculture12101520>; (IF: 3,6); WOS: 000872089500001; [Q1]
152. Muscalu A., Stan (Tudora) C., Sorică C., **Viăduț N-V**, Mîrzan O., Naie M. - *Experimental research on harvesting species of medicinal plants grown on small areas*, AgroLife Scientific Journal, Vol. 11 (2) / 2022, pp. 110-115, (IF: 0,5); ISSN 2285-5718; ISSN CD-ROM 2285-5726; ISSN ONLINE 2286-0126; ISSN-L 2285-5718, Romania, https://agrolifejournal.usamv.ro/pdf/vol.XI_2/Art14.pdf; WOS: 000905193100014
153. Stan Tudora C., Nenciu F., Muscalu A., **Viăduț N-V.**, Burnichi F., Popescu C., Gatea F., Siciua O-A, Israel-Roming F. - *Chemical composition, antioxidant and antimicrobial effects of essential oils extracted from two new Ocimum basilicum L. varieties*, DIVERSITY-BASEL, Dec. 2022, 14(12), 1048, <https://doi.org/10.3390/d14121048> (IF: 2,4); WOS: 000902418800001 [Q2]
154. Teliban G-C., Burducea M., Mihalache G., Zheljaskov V.D., Dincheva I., Badjakov I., Popa, L-D., Bodale I., **Viăduț N-V.**, Cojocaru Al., Munteanu N., Stan T., Caruso G., Stoleru V. - *Morphological, Physiological and Quality Performances of Basil Cultivars under Farming Management*, section: Soil and Plant Nutrition, AGRONOMY, vol. 12(12), 3219, ISSN 2073-4395; (IF: 3,7), pp. 1-18, <https://doi.org/10.3390/agronomy12123219>; [Q1], WOS: 000902418800001

155. Tudora C., Stroe C., Burnichi F., Muscalu A., **Viăduț V.**, *Interactive, modulated system for the protection of vegetable crops*, 49th International Symposium "Actual Tasks on Agricultural Engineering" [2023], vol. 49, pp. 245-254, 28.02-2.03.2023, Opatija – Croatia, **WOS: 001238475700024**;
156. Matei Gh., **Viăduț V.**, Cotuna O., Sărățeanu V., Paraschivu M., Popa L.D., *Control of rye pests and pathogens on sandy soils in south of Romania*, Scientific Papers. Series A. Agronomy, Vol. LXVI, No. 1, pp. 422-430, 2023, ISSN 2285-5785; (IF: 0,3); **WOS: 001109426000056**;
157. Pruteanu M.A., Ungureanu N.*, **Viăduț V.***, Matache M-G, Nițu M. - *Contributions to the optimization of the medicinal plant sorting process into size classes*, AGRICULTURE 13(3): 645, DOI: [10.3390/agriculture13030645](https://doi.org/10.3390/agriculture13030645), agriculture-2213009, March 2022; (IF: 3,6); **WOS: 000956984100001**; [Q1]
158. **Viăduț N.-V.**, Ungureanu N., Biris S.St., Vocea I., Nenciu F., Găgeanu I., Cujbescu D., Popa L.-D., Boruz S., Matei G., Ekielski A., Teliban G.C. - *Research on the identification of some optimal threshing și separation regimes in the axial flow apparatus*, AGRICULTURE 2023 13(4): 838, Section: Agricultural Technology, Special Issue: Beyond Agriculture 4.0: Design and Development of Modern Agricultural Machines and Production Systems, DOI: [10.3390/agriculture13040838](https://doi.org/10.3390/agriculture13040838), agriculture-2301663, April 2023; (IF: 3,6); **WOS: 000978167000001**; [Q1]
159. Hud V., Lyashuk O., Hevko I., Ungureanu N., **Viăduț V.***, Stashkiv M., Hevko O., Pik A. - *Enhancement of Agricultural Materials Separation Efficiency Using a Multi-purpose Screw Conveyor-Separator*, AGRICULTURE 2023 13(4): 870, Section: Agricultural Technology, Special Issue: Beyond Agriculture 4.0: Design and Development of Modern Agricultural Machines and Production Systems, DOI: [10.3390/agriculture13040870](https://doi.org/10.3390/agriculture13040870), agriculture-2291357, April 2022 (IF: 3,6); **WOS: 000979649300001**; [Q1]
160. Nenciu F., Fatu V.*, Arsenoia V.*, Persu C., Vocea I., **Viăduț N.-V.**, Matache MG, Gageanu I, Marin E., Biris S-St., Ungureanu N.* - *Bioactive compounds extraction using a hybrid ultrasound and high-pressure technology for sustainable farming systems*, AGRICULTURE 2023, 13(4): 899, Section: Agricultural Technology, DOI: [10.3390/agriculture13040899](https://doi.org/10.3390/agriculture13040899), agriculture-2322546 (IF: 3,6); **WOS: 000979407100001**; [Q1]
161. Draghici G.A., Dehelean C.A., Moaca A.E., Moise M.L., Pinzaru I., **Viăduț V.N.**, Banatean-Dunea I., Nica D. - *Cadmium nitrate and DNA methylation in gastropods: comparison between ovotestis and hepatopancreas*, ZOOLOGICAL SCIENCE, **PEERJ** 11: e15032, DOI: <https://doi.org/10.7717/peerj.15032> (IF: 2,7); **WOS: 000996338100001**; [Q2]
162. Çarman K., Taner A., Mikailsoy F., Selvi K.Ç., Ungureanu N., **Viăduț V.*** - *Application of computational intelligence in describing dust emissions in different soil tillage applications in Middle Anatolia*, AGRICULTURE 2023, 13(5): 1011, Section: Agricultural Technology, Innovative Methods and Technology for Resilience Agrifood Systems, Agriculture, DOI: [10.3390/agriculture13051011](https://doi.org/10.3390/agriculture13051011), agriculture-2368115, ISSN 2077-0472 (IF: 3,6); **WOS: 000994763600001** [Q1]
163. Tăbărașu A-M, Anghelache D-N*, Gageanu I., Biris S-Șt.*, **Viăduț N-V** - *Considerations on the Use of Active Compounds Obtained from Lavender*, SUSTAINABILITY 15 (11), 8879, Special Issue: Sustainable Agriculture and Plant Biotechnology, sustainability-2312208; <https://doi.org/10.3390/su15118879>; **WOS: 001004891600001**; (IF: 3,9); [Q2]
164. Cerempei V., Țitei V., **Viăduț V.***, Moiceanu G. - *A comparative study on the characteristics of seeds and phy-tomass of new high-potential fodder and energy crops*, AGRICULTURE 2023, 13(6): 1112, Section: Agricultural Technology, Beyond Agriculture 4.0: Design and Development of Modern Agricultural Machines and Production Systems, <https://doi.org/10.3390/su15118879>, agriculture-2331865, ISSN 2077-0472 (IF: 3,6); **WOS: 001016833200001** [Q1]
165. Nikolov N.V., Atanasov At.Z.*, Evstatiev B.I.*, **Viăduț V.N.**, Biris S.St. - *Design of a Small-Scale Hydroponic System for Indoor Sustainable Farming of Leafy Vegetables*, AGRICULTURE 2023, 13(6): 1191, Section: Agricultural Technology, Special Issue: Agricultural Machinery Design and Agricultural Engineering, <https://doi.org/10.3390/agriculture13061191>, agriculture-2407515, (IF: 3,6); **WOS: 001013785300001** [Q1]
166. Vlăduțoiu L.C., Chișiu G.*, Tudor A., **Viăduț N-V.**, Fechete-Tutunaru L., Marin E., Grigore I-A. - *Tribological study of chisel knives of soil tillers*, AGRICULTURE 2023, 13(6): 11235, Section: Agricultural Technology, Special Issue: Advances in Modern Agricultural Machinery, agriculture-2426368; DOI: [10.3390/agriculture13061235](https://doi.org/10.3390/agriculture13061235), (IF: 3,6); **WOS: 001013882900001** [Q1]
167. Cârdei P., Constantin N., Muraru V., Persu C., Sfîru R., **Viăduț N-V.**, Ungureanu N., Matache M., Muraru-Ionel C., Cristea O-D., Laza E-A. - *The random vibrations of the active body of the cultivators*, AGRICULTURE 2023, 13(8): 1565, Section: Agricultural Technology, Special Issue: "Eyes", "Brain", "Feet" and "Hands" of Efficient Harvesting Machinery", agriculture-2392464; DOI: [10.3390/agriculture13081565](https://doi.org/10.3390/agriculture13081565), (IF: 3,6); **WOS: :001119104500001** [Q1]
168. Cujbescu D., Nenciu F., Persu C., Găgeanu I., Gheorghe G., **Viăduț N-V**, Matache M., Vocea I., Pruteanu A., Bularda M.*, Paraschiv G.*, Boruz S.P. - *Evaluation of an optical sorter effectiveness in separating maize seeds*, APPLIED SCIENCES 13 (15), section: Computing and Artificial Intelligence, Special Issue "Quality, Testing, and Validation for Emerging Technologies", applsci-2515348, DOI: [10.3390/agriculture13158892](https://doi.org/10.3390/agriculture13158892), (IF: 2,7); **WOS: 001046157900001** [Q2]
169. **Viăduț N-V.**, Biris S.Șt., Paraschiv G., Ungureanu N., Bungescu S-T., Vocea I., Cujbescu D., Găgeanu I., Laza E., Popa L-D., Matei Gh., Lateș D., Atanasov At. - *Considerations regarding the effects of shock and vibration on operators of self-propelled agricultural equipment*, INMATEH – Agricultural Engineering, vol. 71 (3) / 2023, pp. 823-836, (IF: 0,7); **WOS: 001150170300001**, DOI: <https://doi.org/10.35633/inmateh-71-74> [Q4]
170. Sorică C.M., **Viăduț N-V.**, Grigore A-I., Cristea M., Sorică E., Oprescu R.M., Ionescu Al., Vlăduțoiu L.C., Dumitrescu L. - *Cryogenic freezing of some berry species using an experimental model of multi-functional quick-freezing equipment*, INMATEH – Agricultural Engineering, vol. 71 (3) / 2023, pp. 451-458, (IF: 0,7); **WOS: 001128094000002**, DOI: <https://doi.org/10.35633/inmateh-71-39>; [Q4]
171. Cerempei V., Țitei V., **Viăduț N-V.**, Cristea O-D. - *The peculiarities of seeds and the quality of the green mass of some non-traditional crops in the Republic of Moldova*, INMATEH – Agricultural Engineering, vol. 71 (3) / 2023, pp. 11-24, (IF: 0,7); **WOS: 001112824000004**, DOI: <https://doi.org/10.35633/inmateh-71-01>; [Q4]
172. Găgeanu I., Gheorghe G.*, Persu C., **Viăduț N-V**, Cujbescu D., Matache M.G., Vocea I., Ion G-C*, Tăbărașu A-M, Boruz S.P., Popa L-D.* - *Theoretical and Experimental Contributions to the Process of Calibrating Corn Seeds using a Calibrator with Cylindrical Sieves*, APPLIED SCIENCES 2023 13(17): 9927, Special Issue: Advances in Technology Applied in Agricultural Engineering, DOI: [10.3390/app13179927](https://doi.org/10.3390/app13179927), IF: 2,7); **WOS: 001062645300001**; [Q2]
173. Vanghele N., Botoran O.R., Pruteanu A., Marin E., **Viăduț V.** - *Research on the development of raspberry cultivation in conditions of organic agriculture*, SCIENTIFIC PAPERS-SERIES B-HORTICULTURE, Vol. 68, No. 2, pag. 219-223, eISSN 2286-1580 (IF: 0,4); **WOS: 001441302200006** [Q4]

174. Buțerchi I., Teliban G.-C., Popa L.-D., Burducea M., Puiu I., **Vlăduț N.-V.**, Agapie A.L., Matei Gh., Bodale I., Irimia L.-M., Cojocaru A., Tenie M., Stoleru V. - *Qualitative and agroproductive results regarding successive culture of sweet pepper in protected spaces*, SCIENTIFIC PAPERS. SERIES B, HORTICULTURE, Vol. 68, No. 2, pag. 408-415, eISSN 2286-1580 (IF: 0,4); WOS: 001441302200006 [Q4]
175. Tudora C., Muscalu A., Burnichi F., Gradilă M., Jaloba D., **Vlăduț V.N.** - *Allelopathic effect of the essential oil obtained from hyssop (Hyssopus Officinalis L., Fam. Lamiaceae)*, SCIENTIFIC PAPERS-SERIES B-HORTICULTURE, Volume 68, Issue 1, Page. 923-933 (IF: 0,4); WOS: 001368682800113; [Q4]
176. Matei Gh., Popa L.-D., Isticioaia S.-F., Teliban G.-C., **Vlăduț V.-N.** - *Study regarding the weed control in grain sorghum crop*, SCIENTIFIC PAPERS-SERIES A-AGRONOMY, vol. 68 (1), pag.527-534, ISSN 2285-5718, (IF: 0,5); eISSN 2286-0126; WOS: 001305979800066; [Q4]
177. Isticioaia S.F., Leonte A., Gheorghe M., Popa L.D., Carabulea V., Pintilie P.L., Enea A., Pintilie A.S., **Vlăduț V.**, Nenciu F. - *The economic efficiency of some cereals under the influence of climate changes in the central area of Moldova, Romania*, SCIENTIFIC PAPERS-SERIES MANAGEMENT ECONOMIC ENGINEERING IN AGRICULTURE AND RURAL DEVELOPMENT, Vol. 24, Issue1, Page: 501-510 (IF: 1,0); WOS: 001229070600091; [Q3]
178. Cristea M., **Vlăduț N.-V.***, Ungureanu N. - *Using solar energy as non-conventional alternative energy in small and medium-sized farms (part I)*, INMATEH – Agricultural Engineering, vol. 72 (1) / 2024, pp. 631-643, (IF: 0,7); WOS: 001218209900003, DOI: <https://doi.org/10.35633/inmateh-72-56> [Q4]
179. Cristea M., **Vlăduț N.-V.***, Moiceanu G. - *Aspects regarding the use of solar energy in small and medium farms (Part II)*, INMATEH – Agricultural Engineering, vol. 72 (1) / 2024, pp. 644-652, (IF: 0,7); WOS: 001227301200005, DOI: <https://doi.org/10.35633/inmateh-72-57A> [Q4]
180. Sorică C., Cristea M., **Vlăduț V.** - *Numerical simulation of the influence of some geometric parameters on the decontamination quality of a non-lambertian type detector, using a UV-C LEDs matrix*, INMATEH – Agricultural Engineering, vol. 72 (1) / 2024, pp. 788-797, (IF: 0,7); WOS: 001227301200002, DOI: <https://doi.org/10.35633/inmateh-72-70> [Q4]
181. Atanasov At., Evstatiev B.I., **Vlăduț N.-V.**, Biriș S.Șt. - *A novel algorithm to detect white flowering honey trees in mixed forest ecosystems using UAV-based RGB imaging*, AgriEngineering, Special Issue - Computer Vision for Agriculture and Smart Farming, vol. 6 (1) / 2024, agriengineering-2791689, pp. 95-112, (IF: 2,8); DOI: <https://doi.org/10.3390/agriengineering6010007>; WOS: 001191456200001; [Q2]
182. Tăbărașu A.-M., Găgeanu I., **Vlăduț N.-V.**, Matache M., Anghelache D. - *Experimental research on the extraction of polyphenols from nettle, lavender and sage using the percolation method*, INMATEH – Agricultural Engineering, vol. 73 (2) / 2024, pp. 678-687, (IF: 0,7); WOS: 001296351200016, DOI: <https://doi.org/10.35633/inmateh-73-58> [Q4]
183. **Vlăduț N.V.**, Ungureanu N. - *Beyond Agriculture 4.0: Design and Development of Modern Agricultural Machines and Production Systems*, AGRICULTURE-BASEL 2024 14(7): 991, Section: Agricultural Technology, DOI: 10.3390/agriculture14070991, agriculture-2301663, April 2024; (IF: 3,3); WOS: 001278138700001; [Q2]
184. Lyubenov D., Atanasov At.Z. , Kadikyanov G., **Vlăduț V.** - *Evaluation of braking deceleration during emergency braking of agricultural tractors*, INMATEH – Agricultural Engineering 74(3), pp. 704-7012, (IF: 0,7); WOS: 001436546700011; DOI: <https://doi.org/10.35633/inmateh-74-63> [Q4]
185. Marin E., Cârdei P., **Vlăduț V.***, Biriș S-Șt., Ungureanu N., Bungescu S.T., Vocea I., Cujbescu D., Găgeanu I., Popa L.-D., Isticioaia S., Matei Gh., Boruz S., Teliban G., Radu C., Kabas O., Caba I., Maciej J. - *Research on the influence of the main vibration-generating components in grain harvesters on the operator's comfort*, INMATEH – Agricultural Engineering 74 (3), pp. 800-815, (IF: 0,7); WOS: 001436546700017; DOI: <https://doi.org/10.35633/inmateh-74-85> [Q4]
186. **Vlăduț N.V.**, Atanasov At., Ungureanu N., Ivascu L.-V., Cioca L.-I., Popa L.-D., Matei Gh., Boruz S., Cerempei V., Țiței V., Nenciu F., Milea O.-E., Dumitru Șt. - *Trends in the development of conservative / ecological agriculture in the context of current climate change – A Review*, INMATEH – Agricultural Engineering 74 (3), pp. 980-1032, (IF: 0,7); WOS: 001419856000002; DOI: <https://doi.org/10.35633/inmateh-74-71> [Q4]
187. Tăbărașu A.-M., Nenciu F., Anghelache D., **Vlăduț N.-V.**, Găgeanu I. - *Hybrid Percolation–Ultrasound Method for Extracting Bioactive Compounds from Urtica dioica and Salvia officinalis*, AGRICULTURE-BASEL 14(9): 1561, DOI: 10.3390/agriculture14091561, agriculture-3143124, July 2024; (IF: 3,3); WOS: 001326181600001 [Q4]
188. Vocea I., Nenciu F., **Vlăduț N.-V.**, Matache M., Persu C., Cujbescu D. - *Exploring a Self-Sufficiency Approach within a Sustainable Integrated Pisciculture Farming System*, SUSTAINABILITY 16 (18): 8055, Section: Sustainable Agriculture, Special Issue: Sustainability of the Agricultural System and Agro-Ecological Environment, ISSN 2071-1050, DOI: 10.3390/su16188055, sustainability-3155246, September 2024, (IF: 3,3); WOS: 001323979700001 [Q2];
189. Muraru C.A.I., Isticioaia S.F., Iacobuț D.-M., Pintilie A.-S., Leonte A., Stanciu D., Pintilie P.-L., Popa L.-D., Adam L., Matei Gh., **Vlăduț V.** - *Research on the influence of sowing time on sugar beet production in the context of climate change in central Moldova*, SCIENTIFIC PAPERS. SERIES A - AGRONOMY 68(2), pp. 612-617, ISSN-L 2285-5785, București (IF: 0,6); WOS: 001658982700014;
190. Popa L.-D., Burducea M., Matei Gh., Teliban G.-C., Buburuz A.-A., Isticioaia S.-F., Leonte A., Pintilie P.-L., Iacobuț D.-M., Muraru A.A., **Vlăduț N.-V.**, Stoleru V., Buțerchi I. - *Performance and quality of hemp microgreens under substrate and watering conditions*, SCIENTIFIC PAPERS. SERIES A. AGRONOMY 68(2), pp. 1044-1055, ISSN-L 2285-5785, București (IF: 0,6); WOS: :001658965000007;
191. Matei Gh., Pleșoianu A.M., Popa L.D., Isticioaia S.F., **Vlăduț V.N.** - *Methods for determining proteins and amino acids and the importance of their use for identifying sustainable sources of dietary proteins. A review*, SCIENTIFIC PAPERS-SERIES A-AGRONOMY 68(1), pp. 816-827, ISSN: 2285-5785, București (IF: 0,6); WOS: 001598862000102 [Q4];
192. Vlăduțoiu L., Cristea M., Nenciu F., **Vlăduț V.**, Olan M., Grigore I., Sorică C., Vanghele N., Cristea O.-D. - *Innovative pyrolysis reactor design for enhanced performance and superior biochar quality*, INMATEH – Agricultural Engineering 75 (1), pp. 414-422, (IF: 0,7); WOS: 001485401300029; DOI: <https://doi.org/10.35633/inmateh-75-35> [Q4]
193. Iosif A., Biriș S.Șt., **Vlăduț V.** - *Application of machine learning models for predictive maintenance of biotechnical systems*, INMATEH – Agricultural Engineering 75 (1), pp. 931-850, (IF: 0,7); WOS: 001476008300011; DOI: <https://doi.org/10.35633/inmateh-75-79> [Q4]
194. Lăcătușu C., Biriș S.Șt., Iosif A., **Vlăduț N.-V.**, Gheorghită E., Maican E., Ungureanu N. - *Research on optimizing the power balance of a plowing aggregate comprised of a 180 hp tractor and a 5-moldboard plow*, INMATEH – Agricultural Engineering 75 (1), pp. 986-995, (IF: 0,7); WOS: 001476008300014; DOI: <https://doi.org/10.35633/inmateh-75-83> [Q4]

195. Popa L-D., Isticioaia S., **Vlăduț N-V.**, Matei Gh., Leonte A., Găgeanu I., Nenciu F., Pintilie P-L., Pintilie A-S., Milea O., Roșca M., Panda A., Teliban G-C., Burudcea M. - *The multiple applications of industrial hemp (Cannabis Sativa L.) In the context of sustainable development*, INMATEH – Agricultural Engineering 75 (1), pp. 1052-1072, (IF: 0,7); WOS: 001476008300017; DOI: <https://doi.org/10.35633/inmateh-75-83> [Q₄]
196. Mederle A.I., Semenescu S., Drăghici G.A., Dehelean C.A., **Vlăduț N.V.**, Nica D.V. - *Sodium Butyrate: A Multifaceted Modulator in Colorectal Cancer Therapy*, MEDICINA-LITHUANIA 61(1), 136, Section: Gastroenterology & Hepatology, Special Issue: Intestinal Microbiome in Human Health and Disease-Recent Updates (medicina-3388228), ISSN: 1010-660X / eISSN 1648-9144, <https://doi.org/10.3390/medicina61010136> (IF: 2,4); WOS: 001405892200001, [Q₁]
197. Atanasov A.I., Mihova G.M., Atanasov A.Z., **Vlăduț V.*** - *Long-Term Assessment of NDVI Dynamics in Winter Wheat (Triticum aestivum) Using a Small Unmanned Aerial Vehicle*, AGRICULTURE 2025, 15(4), 394, Special Issue: Research on the Strategy of Improving the Small Grain Production System, <https://doi.org/10.3390/agriculture15040394> (IF: 3,6); WOS: 001429553100001 [Q₄]
198. Pruteanu A., Constantin G.A., Vanghele A.N., **Vlăduț V.** - *Evaluation of Growth and Production Parameters of Raspberries and Blackberries Cultivated in Romania*, HORTICULTURAE 11(4), 369, <https://doi.org/10.3390/> (IF: 3,0); WOS: 001474452400001 [Q₄]
199. Vanghele N., **Vlăduț V.**, Pruteanu A., Matache A., Vlăduțoiu L., Vranceanu N. - *Novel solutions for mitigating drought impact and restoring soil functionality in agriculture*, INMATEH – Agricultural Engineering 76 (2), pp. 1352-1381, (IF: 0,7); WOS: 001589792900006; DOI: <https://doi.org/10.35633/inmateh-76-112> [Q₄]
200. Cismaru M., Tăbărașu A-M., **Vlăduț N-V.**, Gheorghe G., Zaica A., Dumitru D., Harabagiu A., Ștefan M., Dincă M. - *Factors influencing the composting process of vegetal waste: A review*, INMATEH – Agricultural Engineering 76 (2), pp. 1052-1072, (IF: 0,7); WOS: 001568301000050; DOI: <https://doi.org/10.35633/inmateh-76-109> [Q₄]
201. Kuncheva G., Atanasov A., Kercheva M., Filipova M., Nikolova P.D., Nikolov P., **Vlăduț V.**, Dochev V. – *Carbon, Water, and Light Use Efficiency Under Conservation Practice on Sloped Arable Land*, RESOURCES-BASEL 2025, 15(4), <https://doi.org/10.3390/resources14060087> (IF: 3,2); WOS: 001516084200001 [Q₂]
202. Tudora C., Cârdei P., Boiu-Sicuia O., Muscalu A., **Vlăduț N-V.** - *Statistical analysis of the antifungal activity of four essential oils against botrytis cinerea*, AGROLIFE SCIENTIFIC JOURNAL 14(1), pp. 191-202, print ISSN 2285-5718, ISSN online 2286-0126, ISSN-L 2285-5718, (IF: 0,9); WOS: 001528728300019 [Q₄];
203. Lacatus M., Tarkanyi P., Pirvulescu L., Iancu T., Caba I.L., **Vlăduț N-V.**, Breica Borozan A., Alda S., Bordean M-D. - *Nutrient status and antioxidant activity of the invasive Amaranthus retroflexus L.*, SUSTAINABILITY 2025, 17(11), 5141, <https://doi.org/10.3390/su17115141> (IF: 3,3); WOS: 001506548900001 [Q₂]
204. Ungureanu N., **Vlăduț N-V.***, Biriș S-Șt., Ionescu M., Gheorghetă N-E. - *Municipal solid waste gasification: technologies, process parameters, and sustainable valorization of by-products in a circular economy*, SUSTAINABILITY 2025, 17(15), 6704. <https://doi.org/10.3390/su17156704>, (IF: 3,3); WOS: 001549734000001 [Q₂];
205. Ungureanu N., **Vlăduț N.V.***, Biriș S.Șt., Gheorghită N.E., Ionescu M. (2025) - *Biomass pyrolysis pathways for renewable energy and sustainable resource recovery: a critical review of processes, parameters, and products valorization*, SUSTAINABILITY 17(17), art. 7806, Section "Waste and Recycling", Special issue "Sustainable Waste Process Engineering and Biomass Valorization", DOI: <https://doi.org/10.3390/su17177806>, (IF: 3,3); WOS: 001570050200001 [Q₂];
206. Moiceanu G., Dincă M-N., Paraschiv G., Zăbava B-Ș., Ionescu M., Munteanu M-G., Dragomir M., **Vlăduț V-N.**, - *Valorization of agricultural waste for sustainable biofuel production - A review*, INMATEH – Agricultural Engineering 77 (3), pp. 1291-1324, (IF: 0,7); WOS: 001651910800021; DOI: <https://doi.org/10.35633/inmateh-77-104> [Q₄];
207. Sima D-A., Nenciu F., Matache M.G., Vocea I., **Vlăduț N-V.**, Mathe A., Nae G.V. - *Valorization of agricultural waste for sustainable biofuel production - A review*, INMATEH – Agricultural Engineering 77 (3), pp. 1325-1335, (IF: 0,7); WOS: 001651910800022; DOI: <https://doi.org/10.35633/inmateh-77-105> [Q₄];
208. Milea A., Moraru R-I., **Vlăduț N-V.**, Cioca L-I. - *Empirical validation of a new occupational risk assessment tool based on a risk matrix for small and medium-sized enterprises*, INMATEH – Agricultural Engineering 77 (3), pp. 1007-1021, (IF: 0,7); WOS: :001644115900003; DOI: <https://doi.org/10.35633/inmateh-77-83> [Q₄];
209. Tăbărașu A-M., **Vlăduț N-V.†**, Găgeanu I., Nenciu F., Cismaru E-M., Oncescu T-A., Gheorghe G., Harabagiu A., Anghelache D-N., Cujbescu D., Vocea I. - *Extraction and valorization of active principles from medicinal plants – a perspective for the sustainable development of farms in Romania*, INMATEH – Agricultural Engineering 77 (3), pp. 126-146, (IF: 0,7); WOS: :001638642600003; DOI: <https://doi.org/10.35633/inmateh-77-10> [Q₄];
210. Cârdei P., **Vlăduț N.V.***, Biriș S.Șt., Oncescu T-A., Ungureanu N., Atanasov At., Nenciu F., Matei Gh., Boruz S., Popa L-D., Teliban G-C., Milea O-E., Dumitru Șt., Tăbărașu A-M., Vanghele N., Cismaru M., Radu C., Isticioaia S. - *Identification of vibration source influence intensity in combine harvesters using multivariate regression analysis*, APPLIED SCIENCES 2025, 15(18), 10159, <https://doi.org/10.3390/app151810159>, (IF: 2,5); WOS: 001581249400001 [Q₂];
211. Pasat I., Cerempei V., Chicu B., **Vlăduț N-V.**, Ungureanu N., Gheorghită N-E. - *Experimental study on working solution recovery in an innovative spraying machine*, AGRIENGINEERING 25, 7(10), 326, Section: Agricultural Mechanization and Machinery, agriengineering-3843921, <https://doi.org/10.3390/agriengineering7100326>, (IF: 3,0); WOS: 001602135300001 [Q₂];
212. Oncescu T-A., Biriș S.Șt., Găgeanu I., **Vlăduț N-V.**, Persu I.C., Bostina Ș., Nenciu F., Matache M.G., Tăbărașu A-M., Gheorghe G., Tarniță D. - *FEA modal and vibration analysis of the operator's seat in the context of a modern electric tractor for improved comfort and safety*, AgriEngineering 2025, 7(11), 362, <https://doi.org/10.3390/agriengineering7110362>, (IF: 3,0); WOS: 001623410800001; [Q₂];
213. Tăbărașu A-M., **Vlăduț N-V.†**, Nenciu F.*, Cârdei P., Găgeanu I., Catană L., Begea M.*, Matache M-G., Anghelache D-N., Persu C., Oncescu T-A. - *Improved hybrid percolation–ultrasound extraction of bioactive compounds and their application as nettle and sage-derived biostimulants in tomato and pepper crops*, FOODS 2025, 14(22), 3900, <https://doi.org/10.3390/foods14223900>, (IF: 5,1); WOS: 001624492700001; [Q₁];
214. Vocea I., Nenciu F., Popa L-D., Onisei T., Rascol M., Vlaicu P.A., **Vlăduț N-V.**, Matache M.G., Oncescu T.A., Oprescu M. - *Valorizing Hempseed Meal as a Circular Bio-Ingredient for Sustainable Fisheries Development*, SUSTAINABILITY 2025, 17, 10656. <https://doi.org/10.3390/su172310656>, (IF: 3,3); WOS: 001635374900001; [Q₂];

215. Pruteanu A., Nițu M., **Viăduț N-V***, Matache M-G., Voicea I., Găgeanu I., Vanghele N., Nenciu F., Cujbescu D., Badea D.O. - *Induced phytoextraction of heavy metals from soils using Brassica juncea and EDTA: an efficient approach to the remedy of zinc, copper and lead*, ENVIRONMENTS 13(1), 23, Special Issue: Editorial Board Members' Collection Series: Soil Contamination and Remediation, (IF: 3,7); WOS: 001672049900001; [Q₂];
216. Çitil E., Çarman K., Atalay M.F., Ungureanu N., **Viăduț N.V.*** - *Machine learning-based modeling of tractor fuel and energy efficiency during chisel plough tillage*, SUSTAINABILITY 2026, 18(2), 855, Special Issue: Precision Agriculture Techniques for Sustainable Water and Soil Management (IF: 3,3); <https://doi.org/10.3390/su18020855>, WOS: 001671472500001; [Q₂];
217. Ungureanu N., **Viăduț N.V.** - *Black soldier fly (Hermetia illucens) larvae and frass: sustainable organic waste conversion, circular bioeconomy benefits, and nutritional valorization*, AGRICULTURE 2026, 16(3), 309; <https://doi.org/10.3390/agriculture16030309>, WOS: 001624492700001; [Q₂];
218. Çitil E., Çarman K., Özbek O., Ungureanu N., **Viăduț N.V.*** - *Energy use efficiency and carbon footprint of inorganic fertilizer and liquid animal manure in maize production under semi-arid conditions*, SUSTAINABILITY 2026, 18(2), 855, Special Issue: Sustainable Agriculture: Soil, Water and Environmental Practices in Climate Change (IF: 3,3); <https://doi.org/10.3390/su18020855>, [Q₂];
219. Oncescu T-A., Biris S.Șt., Găgeanu I., **Viăduț N-V.**, Persu I.C., Bostina Ș., Tarniță D., Tăbărasu A-M., Radu D., Muraru-Ionel C., Sfiru R., Nica I.C., Anita T. - *Comparative analysis of the biomechanical response of a virtual driver dummy subjected to random vibrations generated by diesel-and electric-powered self-propelled agricultural tractors*, AgriEngineering 2026, 8(4), 158, Section: Agricultural Mechanization and Machinery, Special Issue: Innovations, Engineering, Technologies and Best Practices for Ensuring Work Safety in Agriculture, agriengineering-4190111 (IF: 3,0); <https://doi.org/10.3390/agriengineering8040158>, [Q₂];
220. Ungureanu N., **Viăduț N.V.** - *Sustainable valorization of spent coffee grounds within the circular economy: innovative applications in food, agriculture, environmental and industrial sectors*, SUSTAINABILITY 2026, 18(8), 4127, Section: Sustainable Products and Services, Special Issue: Sustainable Valorization of Biomass for Clean Energy and High-Value Products, (IF: 3,3); <https://doi.org/10.3390/su18084127>, [Q₂];

PROIECTE COORDONATE în calitate de DIRECTOR / RESPONSABIL PROIECT

1. ORIZONT - Studii și cercetări privind realizarea unui sistem de climatizare a cabinelor care echipează tractoarele și mașinile agricole autopropulsate, Director proiect, 1999-2001
2. CALIST - Studii și cercetări privind îmbunătățirea indicilor calitativi de lucru la combinele cu aparat de treier axial, Director proiect, 1999-2001
3. ORIZONT - Studiu privind reducerea forțelor și a energiei necesare pentru prelucrarea solului prin efectul de electro-osmoză, Director proiect, 2000-2002
4. PHARE: RO 0006.02.01 - Armonizarea încercărilor realizate de laboratoarele INMA-DITRMA corespunzător New Approach (Directiva de Mașini 98/37/CEE, Regulamente și Directive OECD) pentru determinarea rezistenței structurilor și legăturilor mecanice ale echipamentelor tehnice din agricultură, industrie alimentară, transport și manipulare, în regim simulat și accelerat, Director proiect, 2002-2003
5. NUCLEU 2003 - Tehnologie integrată și echipamente tehnice pentru obținerea biocombustibililor, furajelor și alcoolului din sorgul zaharat, Director proiect, 2003-2005
6. CALIST 2003 - Elaborarea metodelor de măsurare și încercare a ET de prelucrarea și fertilizarea solului armonizate la reglementările UE, Director proiect, 2003-2005
7. CEEX 2005 (M I) - Cercetări complexe privind utilizarea metodei elementelor finite pentru studiul compactării artificiale a solului agricol sub acțiunea sistemelor de rulare ale tractoarelor și mașinilor Agricole, Responsabil șt. Proiect, 2005-2007
8. CEEX 2005 (M I) - Crearea unei rețele de cercetare cu utilizatori multipli pentru tehnologii, procese și echipamente tehnice din sectoarele: construcții de mașini, energetica, aeronautica, etc, Director proiect, 2005-2008
9. CEEX 2005 (M IV) - Dezvoltarea capacității laboratoarelor de încercări în domeniul măsurării zgomotului pentru mașinile și echipamentele cu funcționare în aer liber, Director proiect, 2005-2007
10. CEEX 2006 (M III) - Promovarea participării la programul cadru 7 și dezvoltarea rețelei naționale de excelență în domeniul siguranței și securității în transport, Director proiect, 2006-2008
11. CEEX 2006 (M III) - Promovarea participării și integrării cercetării științifice românești la programul cadrul 7 privind mecanizarea lucrărilor agricole, producția și managementul durabil al resurselor solului agricol, Responsabil șt. Proiect, 2006-2008
12. CEEX 2006 (M III) - Promovarea performanțelor științifice românești în domeniul producerii și valorificării plantelor medicinale, aromatice și tinctoriale, Director proiect, 2006-2008
13. NUCLEU - Cercetarea și fundamentarea tehnico-științifică a unei tehnologii și instalație modernă de extracție a uleiurilor vegetale pentru procesarea primară a semințelor unor produse agricole, în scopul promovării conceptului de "INDEPENDENȚĂ ENERGETICĂ A FERMIERULUI ROMÂN", Director proiect, 2007-2008
14. PNCDI II - Fluid de răcire și ungere biodegradabil cu funcționare multiplă, Responsabil proiect, 2008-2010
15. TRANSFRONTALIER RO-BG - BIOFUELS - Source of common sustainable development in the cross-border cooperation area, Responsabil șt. Proiect, 2012-2013
16. PROGRAM NUCLEU - Dezvoltarea cercetărilor privind sistemele, tehnologiile de mecanizare, informatizare, automatizare, management și echipamente tehnice competitive pentru agricultura și industria alimentară / STIMM, Cod PN 09 – 15, Director Program, 2013-2015
17. PROGRAM NUCLEU - Dezvoltarea cercetărilor privind sistemele, tehnologiile de mecanizare, informatizare, automatizare, management și echipamente tehnice competitive pentru agricultura și industria alimentară / STIMM, Cod PN 09 – 15, Director Program, 2014-2016
18. PARTENERIATE - Tehnologie conservativă de prelucrare a solului, Responsabil proiect, 2014-2017
19. PROGRAM NUCLEU - Cercetări privind fundamentarea tehnico-științifică, realizarea de tehnologii inovative și echipamente tehnice inteligente destinate agriculturii, silviculturii și industriei alimentare / TIASIA, Cod: PN 16 24, Director Program, 2016-2017

20. PN III – PCCCDI - Sistem complex de valorificare integrală a unor specii agricole cu potențial energetic și alimentar, Responsabil proiect, 2018-2020
21. PFI - Creșterea capacității și performanței instituționale a INMA București în domeniul Bioeconomie, Programul 1 – Dezvoltarea sistemului național de cercetare –dezvoltare, Subprogramul 1.2 – Performanță instituțională, Proiecte de dezvoltare instituțională – Proiecte de finanțare a excelenței în CDI, Director Proiect, 2018-2020
22. PFI - Dezvoltarea instituțională a INMA București în vederea creșterii performanțelor în domeniul Bioeconomie – INMAPERFORM, Programul 1 – Dezvoltarea sistemului național de cercetare –dezvoltare, Subprogramul 1.2 – Performanță instituțională, Proiecte de dezvoltare instituțională – Proiecte de finanțare a excelenței în CDI, Director Proiect, 2022-2024;
23. ADER 25.1.2 - Tehnologie inovativă de prelucrare minimă a terenului agricol adaptată la schimbările climatice actuale, Director Proiect, 2023-2026.

Data: 23.04.2026

Semnătura,

