

1_d. LISTA LUCRĂRI ȘTIINȚIFICE

A.1.1. Cărți și capitole în cărți de specialitate

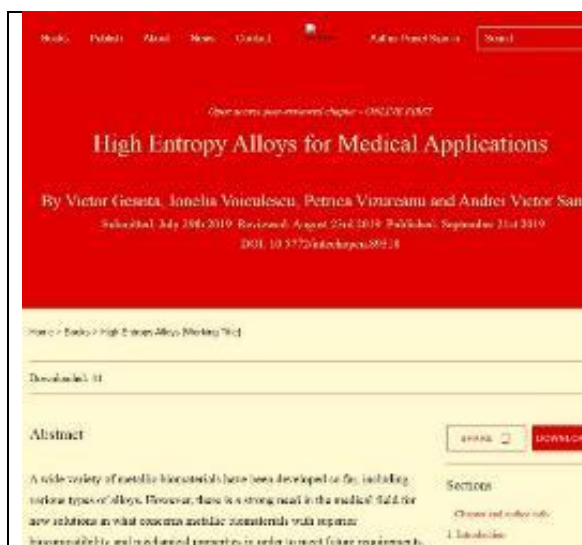
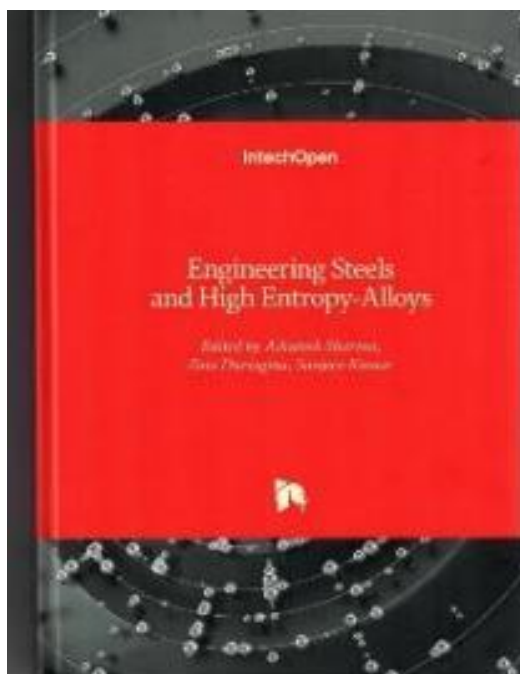
A1.1.1. Cărți și capitole în cărți de specialitate internaționale

1. **GEANTĂ, V.**, Voiculescu, I. Engineering Steels and High Entropy Alloys. Edited by Ashutosh Sharma, Zoia Duriagina, Sanjeev Kumar. <http://dx.doi.org/10intechopen.84991>. Print ISBN 978-1-78985-947-8; Online ISBN 978-1-78985-947-5; eBook (PDF) ISBN 978-1-83880-556-2. **Chapter 8 - Characterization and Testing of High Entropy Alloys from AlCrFeCoNi System for Military Applications. p.139-156, 2019.**

$$K_{p11} = 18/2 \times 2 = 4,5$$

2. **GEANTĂ, V.**, Voiculescu, I. Vizureanu, P., Sandu, A.V. Engineering Steels and High Entropy Alloys. Edited by Ashutosh Sharma, Zoia Duriagina, Sanjeev Kumar. <http://dx.doi.org/10intechopen.84991>. Print ISBN 978-1-78985-947-8; Online ISBN 978-1-78985-947-5; eBook (PDF) ISBN 978-1-83880-556-2. **Chapter 10 - High Entropy Alloys for Medical Applications. p.181-197, 2019.**

$$K_{p12} = 17/2 \times 4 = 2,13.$$



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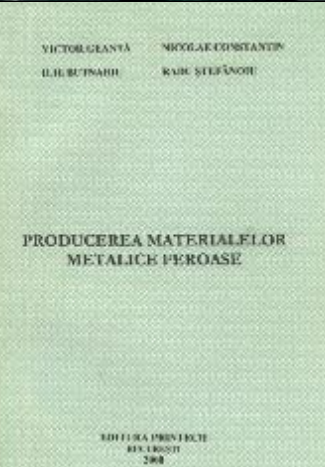
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A1.1.2. Cărți și capitole în cărți de specialitate naționale

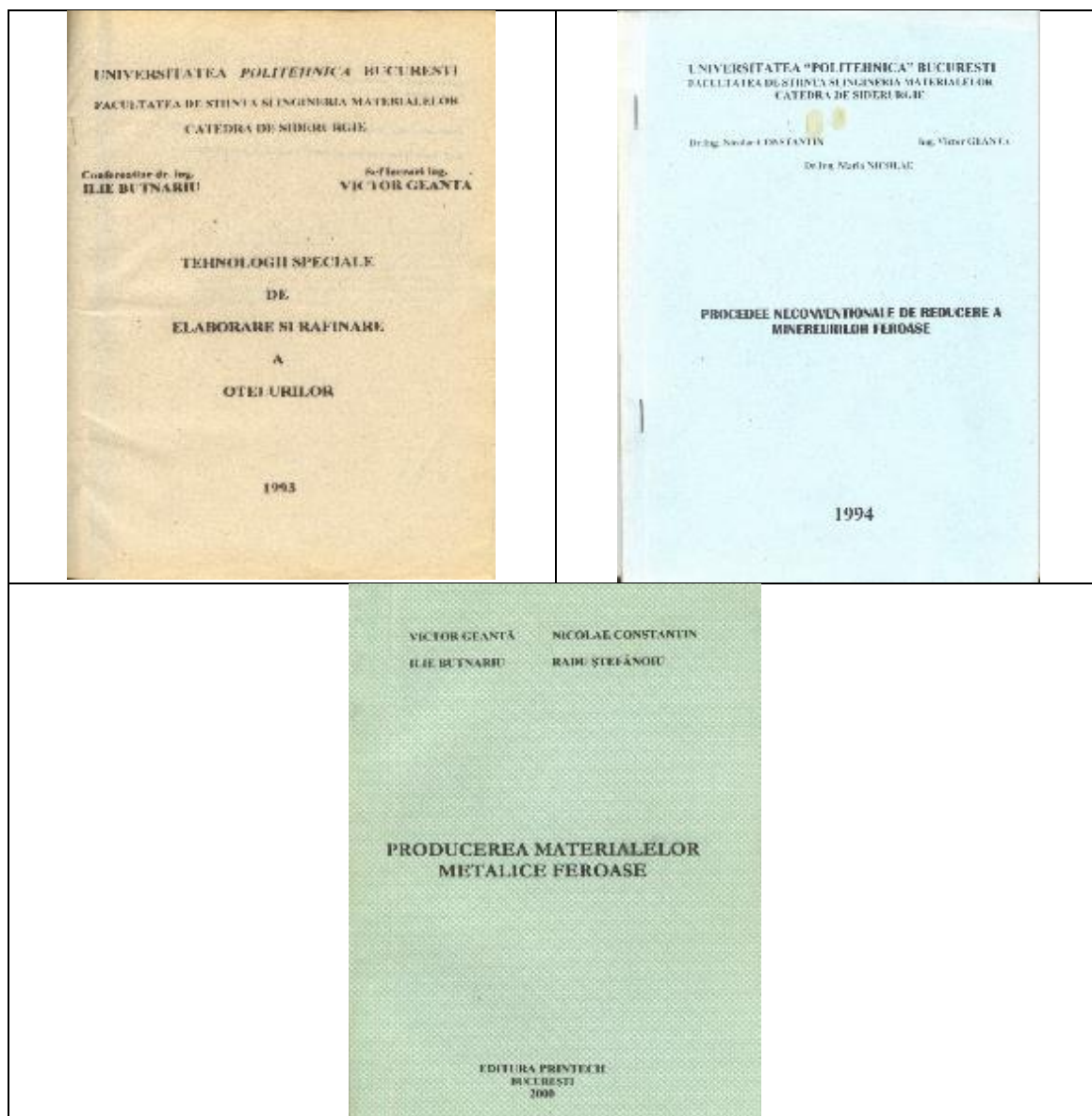
1. **GEANTĂ, V.**, Voiculescu, I. Tratat de obținere a materialelor metalice biocompatibile. Editura Printech, 2018, Cod CNCIS 54, **ISBN: 978-606-23-0845-2, p.628.**
 $K_{p11} = 628/5 \times 2 = 62,8.$
2. **GEANTĂ, V.** Rafinarea oțelului. Editura PRINTECH, București, 2000, Cod CNCIS 54, **ISBN 973-652-143-5, p.296.**
 $K_{p12} = 296/5 \times 1 = 59,2.$
3. **GEANTĂ, V.**, Ștefănoiu, R. Ingineria producerii oțelului. Editura BREN, București, 2008, Cod CNCIS 96, **ISBN 978-973-648-7460, p.322.**
 $K_{p13} = 322/5 \times 2 = 32,2.$
4. **GEANTĂ, V.**, Tripsa, I., Ștefănoiu, R. Tratat de Știința și Ingineria Materialelor, Vol. 2., Bazele teoretice și ingineria obținerii materialelor metalice, **Cap. 7 – Elaborarea oțelurilor.** Academia de Științe Tehnice din România, Asociația Generală a Inginerilor din România Editura AGIR, București, România, 2007, Cod CNCIS 140, **ISBN 978-973720-162-1, ISBN 978-973-720-064-0, p.856-1019.**
 $K_{p14} = 163/5 \times 3 = 10,87.$
5. **GEANTĂ, V.**, Tripsa, I., Ștefănoiu, R. Tratat de Știința și Ingineria Materialelor, Vol. 6, Proiectare-Calitatea produselor-Materiale speciale - Inginerie economică metalurgică. **Cap. 2.2. Tratamente de rafinare pentru obținerea oțelurilor de înaltă puritate, p.738 – 903.** Academia de Științe Tehnice din România, Asociația Generală a Inginerilor din România, Editura AGIR, București, România, 2015, Cod CNCIS 140, **ISBN 978-973-720-533-9, ISBN 973-720-064-0 (General).**
 $K_{p15} = 166/5 \times 3 = 11,07.$
6. **GEANTĂ, V.** Procedee și tehnologii de rafinare a oțelului. Editura PRINTECH, București, 2003, Cod CNCIS 54, **ISBN 973652-714-X, p.328.**
 $K_{p16} = 328/5 \times 1 = 65,6.$
7. **GEANTĂ, V.**, Constantin, N., Butnariu, I., Ștefănoiu, R. Producerea materialelor metalice feroase. Editura PRINTECH, București, 2000, Cod CNCIS 54, **ISBN 973-652-092-7, p.284.**
 $K_{p17} = 284/5 \times 4 = 14,2.$
8. Voiculescu I., **GEANTĂ, V.**, Vasile M.I. Aliaje feroase pentru structuri sudate. Editura BREN, București, 2016, **ISBN 978-606-610-181-3, p.446.**
 $K_{p18} = 446/5 \times 3 = 29,73.$
9. Ștefănoiu, R., **GEANTĂ, V.** Rafinarea oțelurilor prin injectarea gazelor inerte. Editura BREN, București, 2008, Cod CNCIS 96, **ISBN 978-973- 648-770-5, p.219.**
 $K_{p19} = 219/5 \times 2 = 21,9.$
10. Suciu, M., **GEANTĂ, V.**, Constantin, N., Suciu, V., Ștefănoiu, R., Stan, Șt. Tehnici de prevenire a poluării la fabricarea țevelor de oțel. Editura PRINTECH, București, 2008, Cod CNCIS 54, **ISBN 978-973-718-963-9, p.225.**
 $K_{p110} = 225/5 \times 6 = 7,5.$
11. Butnariu, I., **GEANTĂ, V.**, Sterică, E., Munteanu, V., Constantin, N., Ilie, S., Ștefănoiu, R. Turnarea continuă a semifabricatelor de oțel. Editura TEHNICĂ, București, 2000, Cod CNCIS 166, **ISBN 973-31-1421-9, p.201.**
 $K_{p111} = 201/5 \times 6 = 6,7.$
12. Constantin, N., **GEANTĂ, V.**, Nicolae, M. , Butnariu, I., Lăpădatu, Gh. Procese și tehnologii alternative în siderurgie. Editura Fundația Metalurgia Română, București, 1997, **ISBN 973-98314-0-0, p.269.**
 $K_{p112} = 269/5 \times 5 = 10,76.$



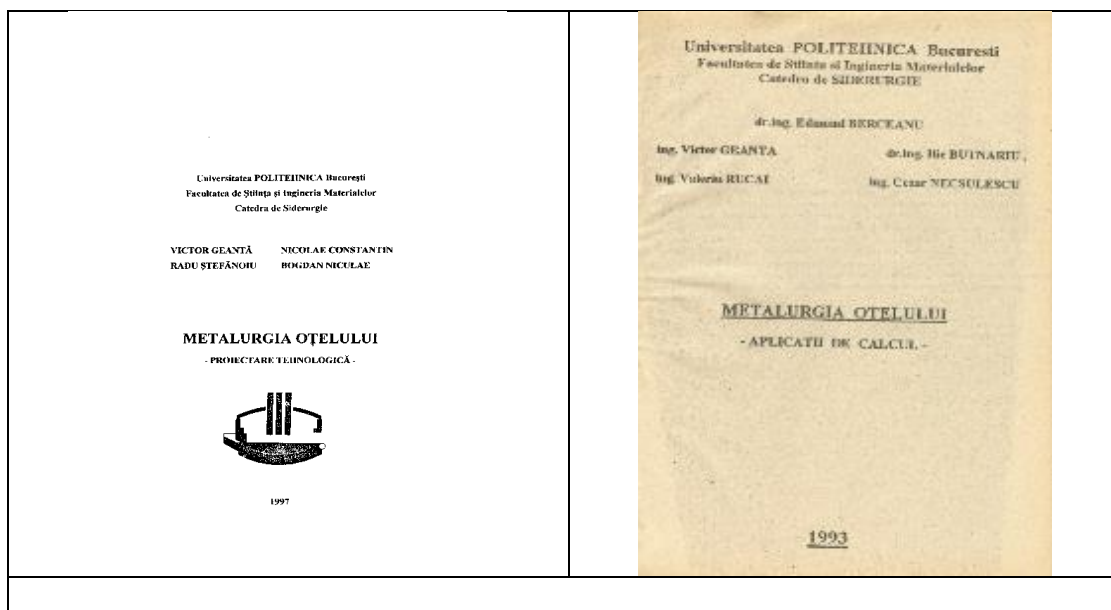
A1.1.2.1. Manuale didactice, monografii, inclusiv electronice

1. **GEANTĂ, V.**, Butnariu, I. Tehnologii speciale de elaborare și rafinare a oțelului. Universitatea POLITEHNICA București, 1993, 333p.
 $K_{p11} = 333/10 \times 2 = 16,65$.
2. Constantin, N., **GEANTĂ, V.**, Nicolae, M. Procedee neconvenționale de reducere a minereurilor feroase. Universitatea POLITEHNICA București, 1994, 239p.
 $K_{p12} = 239/10 \times 3 = 7,97$.
3. **GEANTĂ, V.**, Constantin, N., Butnariu, I., Ștefănoiu, R. Producerea materialelor metalice feroase. Universitatea POLITEHNICA București, 2000, 284p.
 $K_{p13} = 284/10 \times 4 = 7,1$.
4. **GEANTĂ, V.** Obținerea materialelor metalice biocompatibile. Anul III B, 112p. Platforma Moodle
 $K_{p14} = 112/10 \times 1 = 11,2$.
5. **GEANTĂ, V.** Ingineria producerii oțelului. Anul IV C, 64p. Platforma Moodle.
 $K_{p15} = 64/10 \times 1 = 6,4$.
6. **GEANTĂ, V.** Tehnologii de rafinarea a oțelurilor. Anul IV, 87p. Platforma Moodle.
 $K_{p16} = 87/10 \times 1 = 8,7$.
7. **GEANTĂ, V.** Rafinarea topiturilor metalice. Anul 1 Master, 55p. Platforma Moodle.
 $K_{p17} = 55/10 \times 1 = 5,5$.
8. **GEANTĂ, V.** Oțeluri speciale. Anul IV C, 104p. Platforma Moodle.
 $K_{p18} = 104/10 \times 1 = 10,4$.



A.1.1.2.2. Îndrumare de laborator/Aplicații

1. **GEANTĂ, V.**, Constantin, N., Ștefănoiu, R., Niculae, B. Metalurgia oțelului-proiectare tehnologică. Universitatea POLITEHNICA București, 1997, 326p.
 $K_{pi1} = 326/20 \times 4 = 4,08$.
2. Berceanu, E., **GEANTĂ, V.**, Butnariu, I., Rucai, V., Necșulescu, C. Metalurgia oțelului – Aplicații de calcul. Universitatea POLITEHNICA București, 1993, 181p.
 $K_{pi2} = 181/20 \times 5 = 1,81$.
3. Constantin, N., **GEANTĂ, V.**, Niculae, B., Ștefănoiu, R. Modelarea matematică și conducerea informatizată a proceselor din metalurgia extractivă feroasă. Universitatea POLITEHNICA București, 1997, 194p.
 $K_{pi3} = 181/20 \times 4 = 2,26$.



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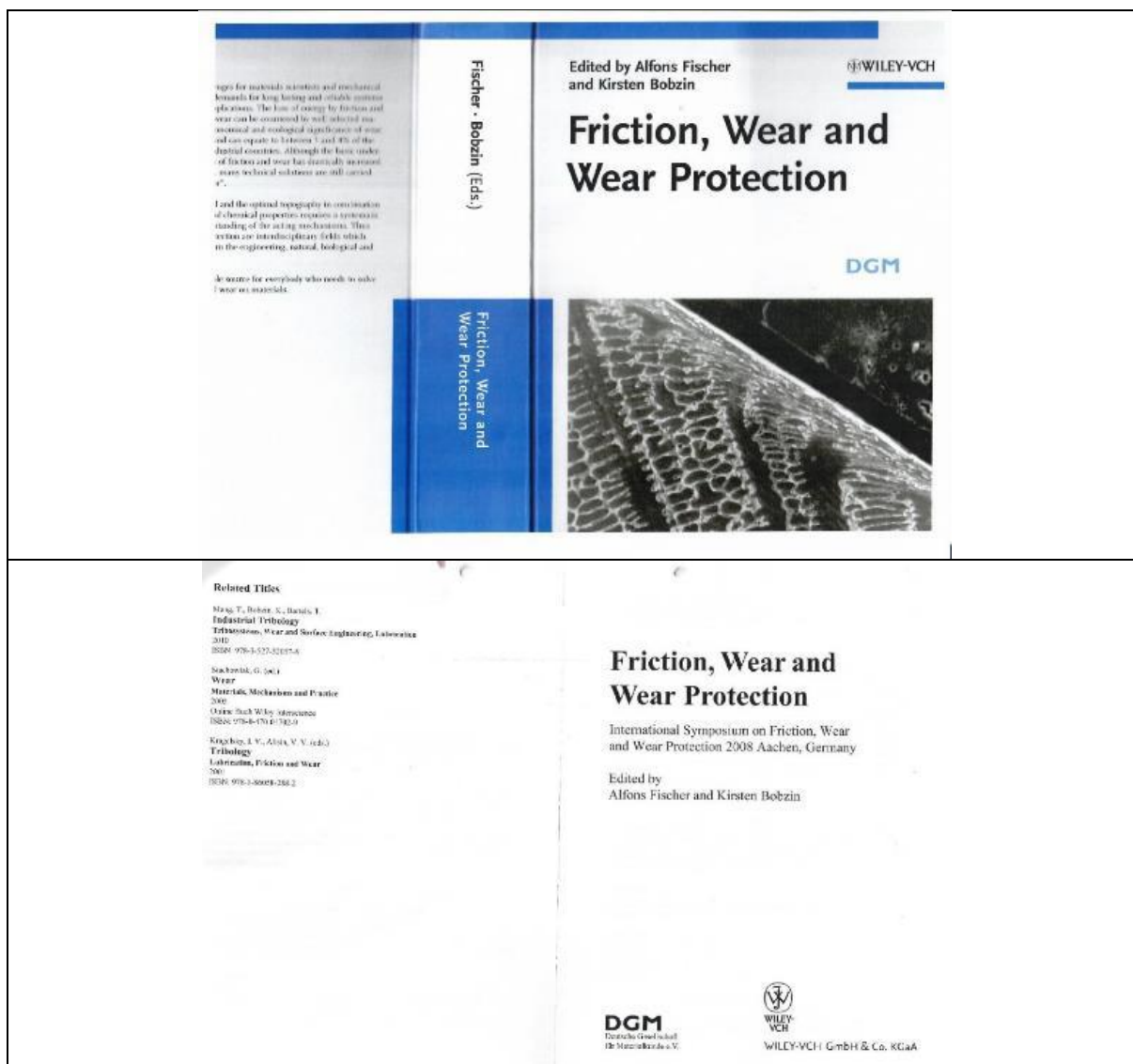
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ING. BOGDAN NICULAE ING. RADU ȘTEFĂNOIU

MODELAREA MATEMATICĂ ȘI
CONDUCEREA INFORMATIZATĂ A
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- BAZE TEORETICE -

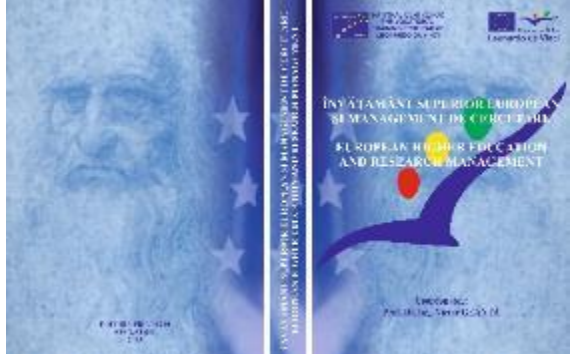
- 1997 -

A.1.1.2.3. Alte cărți și lucrări

1. Voiculescu, I., **GEANTA, V.**, Ștefănoiu, R., Bîncicîiu, H., Sîmiti, I.V., Jumate, N., Vasiu, R. Study on Hardfaced Wear Resistant Bronze Alloy. **Friction, Wear and Wear Protection: International Symposium on Friction, Wear and Wear Protection 2008 Aachen, Germany**, 3 February 2011, Pages 610-617. (Book Chapter). Edited by Alfons Fisher and Kirsten Bobzin, WILEY-VCH, Verlag GmbH, Germany, 2009, ISBN 978-3-527-32366-1. (Book chapter). Recenzii/Indexări: SCOPUS.



2. **GEANTĂ, V.,** ș.a. Învățământ superior european și management de cercetare. Editura PRINTECH, București, 2003, ISBN 973-652-713-1, 292p.
3. Predescu, Cr., **GEANTĂ, V.,** ș.a. Legislație și management de mediu în Uniunea Europeană. Editura PRINTECH, București, 2004, ISBN 973-718-045-3, 212p.
4. Covrig, M., **GEANTĂ, V.,** ș.a. Managementul proiectelor. Editura PRINTECH, București, 2001, ISBN 973-652-259-4, 194p.
5. Ionescu, S., **GEANTĂ, V.,** ș.a. Concepte pentru formarea asistentului manager. Editura PRINTECH, București, 2004, ISBN 973-652-906-1, 49p.
6. Covrig, M., **GEANTĂ, V.,** ș.a. Managementul proiectelor în derulare. Editura PRINTECH, București, 2000, ISBN 973-652-225-3, 156p.
7. Moldovan, P., **GEANTĂ, V.,** Trăistaru, M. Charta Facultății de Știința și Ingineria Materialelor. Universitatea Politehnica București, 1999.
8. Moldovan, P., **GEANTĂ, V.** Materials Science and Engineering Faculty (CHARTA). University Politehnica of Bucharest, 2001.
9. **GEANTĂ, V.** Sigla Facultății de Știința și Ingineria Materialelor.

TOTAL A1 = 421,23

A2.1. Articole în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI – Factor de impact] și în volume indexate ISI proceedings – Web of Science

1. **GEANTA, V., Ciocoiu, R., Voiculescu, I.** Low Density Multi-principal Element Alloy from Al-Mg-Ca-Si-B System. REVISTA DE CHIMIE, Volume: 70, Issue: 7, Pages: 2315-2320, 2019. FI = 1,755. ISSN: 0034-7752. Accession Number: WOS: 000485843500003. Times Cited: 0.

$$K_{pi1} = (50 \times 1,755) / 3 = 29,25.$$
2. **GEANTA, V., Voiculescu, I., Chereches, T., Zecheru, T., Matache, L., Rotariu, A.** Behavior to Dynamic Loads of Multi-layer Composite Structures. REV. MAT. PLAST. Volume 56, Issue 2, Pages: 460-465. FI = 1,517. ISSN: 0025-5289. Accession Number: WOS: 000476641000034. Times Cited: 0.

$$K_{pi2} = (50 \times 1,517) / 6 = 12,58.$$
3. **GEANTĂ, V., Voiculescu, I., Ștefănoiu R., Jianu, A., Miloșan, I., Stanciu, E.M., Pascu, A., Vasile, M.I.** Titanium Influence on the Microstructure of FeCrAl Alloys Used for 4R Generation Nuclear Power Plants. REVISTA DE CHIMIE, Volume 70, Issue 2, 2019, p. 549-554. ISSN: 0034-7752. FI = 1,755. ISSN: 00347752. WOS: 000461982200038. Times Cited: 0.

$$K_{pi3} = (50 \times 1,755) / 8 = 10,97.$$
4. **GEANTĂ, V., Voiculescu, I., Miloșan, I., Istrate, B., Mateș, I.M.** Chemical Composition Influence on Microhardness, Microstructure and Phase Morphology of AlxCrFeCoNi High Entropy Alloys. REVISTA DE CHIMIE, Vol. 69, Issue 4, p.798-801, Apr. 2018. FI = 1,605. ISSN: 0034-7752. Accession Number: WOS: 000433223000009. Times cited: 3.

$$K_{pi4} = (50 \times 1,605) / 5 = 16,05.$$
5. **GEANTĂ, V., Cherecheș, T., Lixandru, P., Voiculescu, I., Ștefănoiu, R., Dragnea, D., Zecheru, T., Matache, L.** Virtual Testing of Composite Structures Made of High Entropy Alloys and steel. METALS, Vol. 7, Issue 11, ISSN: 2075-4701. Article number: 496, 2017 (p.14). FI = 1,704. DOI: 10.3390/met7110496. WOS: 000416803200046. Times cited: 2.

$$K_{pi5} = (50 \times 1,704) / 8 = 10,65.$$
6. **GEANTĂ, V., Ștefănoiu, R., Voiculescu, I.** Experimental Researches on the Graphite Particles Dissolution during Injection Process in Ferrous Metallic Melts. REVISTA DE CHIMIE, Vol. 65, No. 1, p.94-97, 2014. FI = 1,122. ISSN: 0034-7752. WOS: 000334150300019. Times Cited: 1

$$K_{pi6} = (50 \times 1,122) / 3 = 18,7.$$
7. **GEANTA, V., Voiculescu, I., Istrate, B., Vranceanu, D.M., Ciocoiu, R; Cotrut, C.M.** The Influence of Chromium Content on the Structural and Mechanical Properties of AlCr_xFeCoNi High Entropy Alloys. INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH IN AFRICA, Vol. 37, (2018) p. 23-28, ISSN: 1663-3571, eISSN: 1663-4144, ISSN print 1663-3571, ISSN cd 1663-4152, IDS Number: GT2CJ, doi: 10.4028/www.scientific.net/JERA.37.23 WOS: 000444288100003. IF = 2,54 (2018). Times cited: 2.

$$K_{pi7} = (50 \times 2,54) / 6 = 21,17.$$
8. **GEANTĂ, V., Voiculescu, I., Ștefănoiu, R., Savastru, D., Daisa, D.D.** Effect of thermal regime on the microstructure and microhardness of steels microalloyed with Nb and V. JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Vol. 15, No. 11-12, November – December 2013, p.1457 – 1462. ISSN 1454, eISSN 1841-7132. FI = 0,516. WOS: 000329482600049. Times Cited: 7.

$$K_{pi8} = (50 \times 0,516) / 5 = 5,16.$$
9. **GEANTĂ, V., Ștefănoiu, R., Voiculescu, I., Daisa, D.D.** The influence of the technological parameters on the efficiency of the metal melts alloying process by pulverulent material injection. JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol. 13, No. 7, July 2011, p.921 – 925, ISSN: 1454-4164. FI = 0,516. WOS: 000294887100036. Times Cited: 7.

$$K_{pi9} = (50 \times 0,516) / 4 = 6,45.$$
10. **GEANTĂ, V., Tacă, M., Daisa, D., Voiculescu, I., Ștefănoiu, R., Constantinescu, D.M. Savastru, D.** Influence of chemical composition on the mechanical properties of forged microalloyed steels. JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume 17, Issue 7-8, p.1004-1011, published Jul. – Aug. 2015, ISSN 1454-4164, eISSN 1841-7132. FI = 0,516. WOS: 000359967600016. Times Cited: 4

$$K_{pi10} = (50 \times 0,516) / 7 = 3,69.$$
11. **GEANTA, V., Voiculescu, I., Kelemen, H., Manu, D., Molnár, G., Kelemen, G.** Mg–Ca–Zn biodegradable light alloys produced in a levitation induction melting furnace. INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS 1 (2020) 1–10. Vol. 63, p.S69-S78, Supplement 1. DOI 10.3233/JAE-209113, IOS Press. FI = 0,684. IOS PRESS. NIEUWE HEMWEG

6B, 1013 BG, AMSTERDAM, NETHERLANDS. ISSN 1383, EISSN 1875-8800. Accession Number: WOS:000547882500009. Times Cited: 0.

$$K_{p111} = (50 \times 0,684)/4 = 5,7.$$

12. **GEANTĂ, V.,** Voiculescu, I., Tenciu, D., Baschir, I., Stanciu, E.M., Pascu, A. Effect of laser processing on the microstructure of FeCrAl alloys. **JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS**, Volume 22, Issue 7-8, p.411-418, published Jul. – Aug. 2020, ISSN 1454-4164, eISSN 1841-7132. WOS: 000583720800013. FI = 0,636.

$$K_{p112} = (50 \times 0,636)/6 = 5,3.$$

13. **GEANTĂ, V.,** Voiculescu, I., Kelemen, H., Kelemen, G. Obtaining of light biocompatible magnesium alloys using levitation equipment under controlled argon atmosphere. **XXIII INTERNATIONAL CONFERENCE ON MANUFACTURING (MANUFACTURING 2018)**, Kecskemet, Hungary. IOP Conference Series-Materials Science and Engineering. ISSN: 1757-8981 Article Number: UNSP 012004, DOI: 10.1088/1757-899X/448/1/012004. **Series-Materials Science and Engineering, Volume 448, p.9, Article Number UNSP 012004, Published 2018. Accession Number: WOS: 000467870800004. Times cited: 3.**

$$K_{p113} = (50 \times 0,08)/4 = 1.$$

14. **GEANTĂ, V.,** Voiculescu, I., Ștefănoiu, R., Savastru, D., Csaki, I., Patroi, D., Leonat, L. Processing and characterization of advanced multi-element high entropy materials from AlCrFeCoNi system. **JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS**, Vol. 7, 11-12, November – December 2013, p.874-880, ISSN: 1842-6573. FI = 0,402. WOS: 000328253100014. Times Cited: 13.

$$K_{p114} = (50 \times 0,402)/7 = 2,87.$$

15. **GEANTĂ, V.,** Voiculescu, I., Ștefănoiu, R., Binciciu, H., Negriu, R.M. Tat, P.I. Researches regarding the establishment of the optimal chemical composition of the centrifugal crushers retention sills. **METALURGIA INTERNATIONAL**, Special Issue, no. 1, ISSN 1582-2214, 2013, p.19-23. FI = 0,18. Accession Number: WOS: 000315368200004. Times cited: 1.

$$K_{p115} = (50 \times 0,18)/6 = 1,5.$$

16. **GEANTĂ, V.,** Preda, S., Ștefănoiu, R. Improvement of refractory lining lifetime of COSS-EBT furnace through slag regime management at Mechel Oțelu Roșu. **METALURGIA INTERNATIONAL**, Special Issue, no. 1, ISSN 1582-2214, 2013, p.43-47. FI = 0,18. Accession Number: WOS: 000315368200009. Times Cited: 0.

$$K_{p116} = (50 \times 0,18)/3 = 3.$$

17. **GEANTĂ, V.,** Voiculescu, I., Ștefănoiu, R., Jianu, A. Influence of chemical composition of FeCrAl alloys on the microhardness. **METALURGIA INTERNATIONAL**, vol. XVI (2011), no. 5, ISSN 1582-2214, p.153-156. FI = 0,12. Accession Number: WOS: 000289606200035. Times Cited: 4.

$$K_{p117} = (50 \times 0,12)/4 = 1,5.$$

18. **GEANTĂ, V.,** Voiculescu, I., Ștefănoiu, R., Cherecheș, T., Zecheru, T., Matache, L., Rotariu A. Dynamic Impact behavior of High Entropy Alloys Used in Military Domain. **ICIR-EUROINVENT**, Iași, May 17-18 2018. Book series: **IOP CONFERENCE SERIES-MATERIALS SCIENCE AND ENGINEERING**. Volume: 374, p.11, ISSN: 1757-8981. Article Number: UNSP 012041, DOI: 10.1088/1757-899X/374/1/012041, Accession Number: WOS: 000446775900041. Times cited: 4.

$$K_{p118} = (50 \times 0,1)/7 = 0,71.$$

19. **GEANTĂ, V.,** Cherecheș, T., Lixandru, P., Voiculescu, I., Ștefănoiu, R., Dragnea, D., Zecheru, T., Matache, L. Simulation of Impact Phenomena on the Composite Structures Containing Ceramic Plates and High Entropy Alloys. **INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH (ICIR Euroinvent)**, Iași, Romania, May, 25-26, 2017. Vol. 209, p.9, ISSN: 1757-8981. Article Number: 012043. DOI: 10.1088/1757-899X/209/1/012043, Accession Number: WOS: 000423732100043. Times cited: 0.

$$K_{p119} = (50 \times 0,1)/8 = 0,63.$$

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$$K_{p120} = (50 \times 0,1)/3 = 1,67.$$

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 $K_{pi25} = (50 \times 0,677)/5 = 6,77$.
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 $K_{pi31} = (50 \times 0,18)/3 = 3$.
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 $K_{pi33} = (50 \times 2,972) / 11 = 13,51$.
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 $K_{pi39} = (50 \times 1,232) / 8 = 7,7$.
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 $K_{pi40} = (50 \times 0,1) / 6 = 0,83$.
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 $K_{pi41} = (50 \times 0,1) / 9 = 0,56$.
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 $K_{pi42} = (50 \times 0,1) / 6 = 0,83$.
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$$K_{pi43} = (50 \times 0,1)/6 = 0,83.$$

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$$K_{p44} = (50 \times 0,956)/6 = 7,97.$$

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$$K_{pi45} = (50 \times 0,18)/5 = 1,8.$$

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$$K_{p46} = (50 \times 0,1)/4 = 1,25.$$

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$$K_{pi47} = (50 \times 3,057)/8 = 19,11.$$

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$$K_{pi48} = (50 \times 1,605)/15 = 5,35.$$

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$$K_{pi49} = (50 \times 1,248)/8 = 7,8.$$

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$$K_{pi51} = (50 \times 1,08)/5 = 10,8.$$

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$$K_{pi52} = 50/9 = 5,55.$$

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$$K_{pi54} = (50 \times 0,18) / 5 = 1,8.$$

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$$K_{pi56} = (50 \times 2,633) / 14 = 9,40.$$

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$$K_{pi57} = (50 \times 3,057) / 18 = 8,49.$$

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$$K_{pi58} = 50 / 13 = 3,85.$$

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$$K_{pi59} = 50 / 12 = 4,17.$$

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$$K_{pi60} = (50 \times 0,25) / 8 = 1,56.$$

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$$K_{pi61} = (50 \times 0,25) / 4 = 3,13.$$

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$$K_{pi62} = (50 \times 0,25) / 7 = 1,79.$$

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$$K_{pi63} = (50 \times 0,1) / 5 = 1.$$

64. Constantin, G., Balan, E., Voiculescu, I., **GEANTA, V.**, Craciun, V. Cutting Behavior of AlCoCrFeNi High Entropy Alloy. **MATERIALS**, Volume 13, Issue 18, Article number: 4181, **p.23**, Doi: 10.3390/ma13184181, Published: sep. 2020. **Accession Number: WOS: 000580829300001. IF = 3,057.** Times cited: 0.

$$K_{pi64} = (50 \times 3,057) / 5 = 30,57.$$

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$$K_{pi65} = (50 \times 3,057) / 11 = 13,90.$$

A2.2. Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale [BDI]

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$$K_{pi1} = 50 \times 0,08 / 3 = 1,33.$$

2. **GEANTA, V.**, Voiculescu, I., Tenciu, D., Baschir, L., Stanciu, E.M., Pascu, A. Effect of laser processing on the microstructure of the FeCrAl alloys. **JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS**, Volume 22, Issue 7-8, July 2020, **p.411-418. FI = 0,631. Indexat SCOPUS.**

$$K_{pi2} = 50 \times 0,08 / 6 = 0,67.$$

3. **GEANTA, V.**, Voiculescu, I., Tudoran, St. Effects of Fe and Mn on Microstructure and Microhardness of Titanium Alloys. **REV. CHIM.**, 71 (4), 2020, <https://doi.org/10.37358/RC.20.4.8046>. **p.87-94. FI = 1,755. Indexat SCOPUS.**

$$K_{pi3} = 50 \times 0,08 / 3 = 1,33.$$

4. Scutelnicu, E., Simion, G., Rusu, C.C., Corneliu, Gheonea, M.C., Voiculescu, I., **GEANTA, V.** High Entropy Alloys Behaviour During Welding. **REV. CHIM.**, 71 (3), 2020, **p.219-233. https://doi.org/10.37358/RC.20.3.799. p.219-233. FI = 1,755. Indexat SCOPUS.**

$$K_{pi4} = 50 \times 0,08 / 6 = 0,67.$$

5. Voiculescu, I., **GEANTĂ, V.**, Ștefănoiu, R., Rotariu, A., Scutelnicu, E., Pantilimon, M.C., Mitrică, D., Crăciun, V. New refractory high entropy alloys. OP Conference Series: Materials Science and Engineering, Volume 572, Issue 1, 2 August 2019, Article number 0120242019, **p.8. INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH, ICIR EUROINVENT 2019**; Palace of Culture Iasi; Romania; 16 May 2019 through 17 May 2019; Code 150123. **Indexat SCOPUS.**

$$K_{pi5} = 50 \times 0,08 / 8 = 0,5.$$

6. **GEANTĂ, V.**, Voiculescu, I., Ștefănoiu, R., Codescu, M., Kelemen, H., Pavel, G., Vlădescu, A., Sandu, V.A. Obtaining and characterisation of high entropy alloys used for medical applications. Conference Series: Materials Science and Engineering, Volume 572, Issue 1, 2 August 2019, Article number 0120232019, **p.8. INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH, ICIR EUROINVENT 2019**; Palace of Culture, Iasi, Romania; 16 May 2019 through 17 May 2019; Code 150123. **Indexat SCOPUS.**

$$K_{pi6} = 50 \times 0,08 / 8 = 0,5.$$

7. Tudoran, S., Voiculescu, I., **GEANTĂ, V.**, Vizureanu, P., Marza Roșca, I., Pătrașcu, I., Gălbinașu, B.M., Ciocoiu, R. Effects of the chemical composition on the microstructural characteristics of Ti-Nb-Ta-Zr alloys. IOP Conference Series: Materials Science and Engineering Volume 572, Issue 1, 2 August 2019, Article number 0120222019, **p.5. INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH, ICIR EUROINVENT 2019**; Palace of Culture Iasi; Romania; 16 May 2019 through 17 May 2019; Code 150123. **Indexat SCOPUS.**

$$K_{pi7} = 50 \times 0,08 / 8 = 0,5.$$

8. Ghica, Ș.I., Cotruț, C.M., Buzatu, M., Antoniac, I.V., **GEANTĂ, V.**, Buțu, M., Petrescu, M.I., Ștefănoiu, R., Ungureanu, E., Iacob, G., Ionescu, R.N. In vitro corrosion behavior of Ti-Mo-W alloys in artificial saliva. IOP Conference Series: Materials Science and Engineering Volume 572, Issue 1, 2 August 2019, Article number 0120282019, **p.8. INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH, ICIR EUROINVENT 2019**; Palace of Culture Iasi; Romania; 16 May 2019 through 17 May 2019; Code 150123. **Indexat SCOPUS.**

$$K_{pi8} = 50 \times 0,08 / 11 = 0,36.$$

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$$K_{pi9} = 50 \times 0,08 / 6 = 0,67.$$

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$$K_{pi10} = 50 \times 0,08 / 8 = 0,5.$$

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$$K_{pi11} = 50 \times 0,08 / 6 = 0,67.$$

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A2.3. Brevete de invenție acordate, neindexate / indexate ISI Thomson Reuters –Web of Science-Derwent innovations index

A2.3.1. Internaționale

1. Vamvakas S., Binchiciu E., Voiculescu, I., **GEANTĂ V.**, Binchiciu A., Ștefănoiu, R., Tihanov-Tănăsache D., Binchiciu, H. Drinking device for habitual crystal material to contain liquids e.g. soft drinks, has flange fixed with outer side of first body and inner side of clamping device of second body, and fastening device fixed to circumference of container. **Buletin oficial de la propiedad intelectual, 20 junio 2017**, ES 1185609-U (Spania).

A2.3.2. Naționale

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 $K_{pi1} = 25 / 5 = 5$.
2. **GEANTĂ, V.**, Voiculescu, I., Ștefănoiu, R., Binchiciu, H., Negriu, R.M. Prag de retenție pentru concasoarele centrifugale - Process and composite material for producing the retension aprons in centrifugal crushers. Patent Number: **RO125587/30.01.2012**.
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$$K_{pi3} = 25/7 = 3,57$$

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$$K_{pi4} = 25/7 = 3,57.$$

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$$K_{pi5} = 25/8 = 3,13.$$

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$$K_{pi6} = 25/7 = 3,57.$$

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$$K_{pi7} = 25/7 = 3,57.$$

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$$K_{pi8} = 25/10 = 2,5.$$

9. Binchiciu, A., Voiculescu, I., **GEANTĂ, V.**, Binchiciu, H., Ștefănoiu, R., Iovănaș, D., Binchiciu, E., Negriu, R.M. Blindaj antiuzură și procedeu de fabricație - Wear preventing shield with self-protection and process for making the same. Patent Number: **RO125760/30.12.2011.**

$$K_{pi9} = 25/8 = 3,13.$$

10. Binchiciu, H., Iovănaș, R., **GEANTĂ, V.**, Voiculescu, I., Binchiciu, A., Iovănaș, D., Ștefănoiu, R., Binchiciu, E. Bară compozită pentru prelucrări prin presare la cald și procedeul sau de realizare - Irremovable modular composite element, comprises rectangular pipe made of carbon or slightly alloyed steel. Patent Number: **RO125759/30.12.2011.**

$$K_{pi10} = 25/8 = 3,13.$$

11. Binchiciu, H., **GEANTĂ, V.**, Voiculescu, I., Binchiciu, A., Ștefănoiu, R., Binchiciu, E., Negriu, R.M. Procedeul și instalație de obținere a unor pulberi din aliaje binare de aluminiu – magneziu destinate producerii unor piese metalice cu structură thixotropă - Process and installation for producing powders of binary aluminium-magnesium alloys meant for making metal pieces of thixotropic structure. Patent Number: **RO125770/30.12.2011.**

$$K_{pi11} = 25/7 = 3,57.$$

12. Voiculescu, I., **GEANTĂ, V.**, Ștefănoiu, R., Iacobescu, G., Grigoriu, C., Nicolae, I., Drăgulescu, D, Viespe Cr., Sima, C., Fugaru, V., Manea, S.E., Daisa, D.D. Metodă de sudare cu laser a unei capsule cu material radioactiv. Laser welding method of a radioactive material capsule. Patent Number: **RO128983/29.01.2016.**

$$K_{i12} = 25/12 = 2,08.$$

13. Binchiciu, E., **GEANTĂ, V.**, Voiculescu, I., Ștefănoiu, R., Iovănaș, R.F., Binchiciu, A., Binchiciu, H. Cuțit de freză pentru decopertat asfalt, cu protecție împotriva uzurii și autoblocării la rotire și procedeu de realizare a acestuia. Patent number **RO129863-30.05.2019.**

$$K_{i13} = 25/7 = 3,57.$$

14. Ștefănoiu, R., Binchiciu, E., Binchiciu, H., Voiculescu, I., **GEANTĂ, V.**, Binchiciu, A. Armătură amovibilă rezistentă la uzură din material compozit și procedeu de obținere a acesteia. Patent number **RO129865-30.05.2019.**

$$K_{i14} = 25/6 = 4,17.$$

15. Binchiciu, E. Voiculescu, I., Binchiciu, H., **GEANTĂ, V.**, Ștefănoiu, R., Binchiciu, A. Electrode tubular cu miez compozit și procedeu de obținere. Patent number **RO129867-30.08.2019.**

$$K_{pi15} = 25/6 = 4,17.$$

16. Binchiciu, E., Binchiciu, A., Binchiciu, H., Voiculescu, I., **GEANTĂ, V.**, Ștefănoiu, R. Bandă compozită pentru suprafețele active ale utilajelor de prelucrare a solului și procedeu de obținere a acesteia. Patent number **RO129877-30.08.2019.**

$$K_{pi16} = 25/6 = 4,17.$$

17. Voiculescu, I., Binchiciu, A., **GEANTĂ, V.**, Binchiciu, H., Ștefănoiu, R., Iovănaș, D., Negriu, R.M., Binchiciu, E. – Îveliș de electrozi pentru încărcarea prin sudare cu așliaje rezistente la uzare de abraziune - Electrode coating for build-up welding with abrasion wear-resistant alloys contains marble, fluorine, rutile, iron, metallic chromium, colloidal graphite, rare earths, aluminum, carboxymethyl cellulose and liquid sodium silicate. Patent Number: **RO125761/30.12.2011.**

$$K_{pi17} = 25/8 = 3,13.$$

18. Binchiciu, A., Voiculescu, I., **GEANTĂ, V.**, Constantin, E., Binchiciu, H., Ștefănoiu, R., Binchiciu, E., Negriu, R.M. – Electrode din bronz cu aluminiu cu înveliș compozit - Electrodes with composite coating of alloy, comprises electrodes meant to deposit by manual electric welding alloys of the type copper, aluminum, nickel, iron and manganese. Patent Number: **RO125856/30.08.2012.**

$$K_{pi18} = 25/6 = 4,17.$$

19. Binchiciu, A., Voiculescu, I., **GEANTĂ, V.**, Binchiciu, H., Ștefănoiu, R., Binchiciu, I. Vergea pentru brazare din aliaj de argint cu înveliș dezoxidant și cu higroscopicitate redusă. Silver-plated silver alloy blade with deoxidant coating and low hygroscopicity. Patent number **RO125836-30.01.2013.**

$$K_{pi19} = 25/6 = 4,17.$$

20. Voiculescu, I., Binchiciu, E., **GEANTĂ, V.**, Binchiciu, H., Ștefănoiu, R., Binchiciu, A. Electrode pentru crățiuire arc-aer și procedeu de obținere a lui. Patent number **RO129992-30.09.2019.**

$$K_{pi20} = 25/6 = 4,17.$$

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$$K_{pi21} = 15/7 = 2,14.$$

22. **GEANTĂ, V.**, Voiculescu, I., Ștefănoiu, R., Binchiciu, H., Vasile, M.I., Barladeanu, M., Ionescu, M., Carciumareasa, D., Irimia M. Material metalic pentru încărcări prin sudare cu tenacitate și duritate ridicate și procedeu de obținere. Patent number **RO130677-30.10.2020.**

$$K_{pi22} = 15/9 = 1,67.$$

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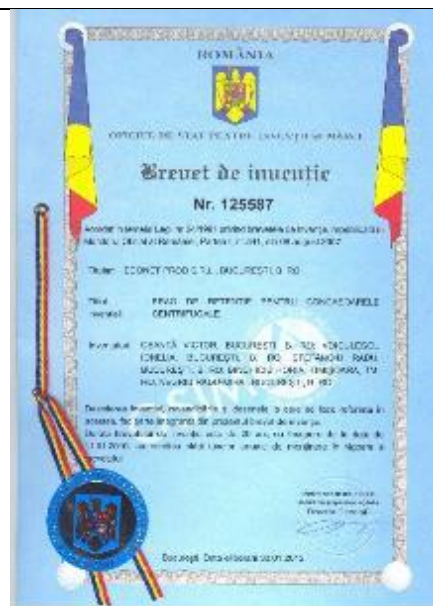
Patent Number(s): US1158674 / 20190811, a2

Title: Coating device for ball-and-socket joint to control liquid flow, for example, for liquid flow control of ball-and-socket joint of a prosthetic joint or ball-and-socket joint of a prosthetic joint.

Inventor Name(s): VOICULESCU, I.; BINCHICIU, H.; ȘTEFĂNOIU, R.; IOVĂNAȘ, D.; NEGRIU, R.M.; BINCHICIU, E.

Patent Assignee(s): VOICULESCU, I.; BINCHICIU, H.; ȘTEFĂNOIU, R.; IOVĂNAȘ, D.; NEGRIU, R.M.; BINCHICIU, E.

Abstract: US1158674 (a2) (a1) (a2) (a3) (a4) (a5) (a6) (a7) (a8) (a9) (a10) (a11) (a12) (a13) (a14) (a15) (a16) (a17) (a18) (a19) (a20) (a21) (a22) (a23) (a24) (a25) (a26) (a27) (a28) (a29) (a30) (a31) (a32) (a33) (a34) (a35) (a36) (a37) (a38) (a39) (a40) (a41) (a42) (a43) (a44) (a45) (a46) (a47) (a48) (a49) (a50) (a51) (a52) (a53) (a54) (a55) (a56) (a57) (a58) (a59) (a60) (a61) (a62) (a63) (a64) (a65) (a66) (a67) (a68) (a69) (a70) (a71) (a72) (a73) (a74) (a75) (a76) (a77) (a78) (a79) (a80) (a81) (a82) (a83) (a84) (a85) (a86) (a87) (a88) (a89) (a90) (a91) (a92) (a93) (a94) (a95) (a96) (a97) (a98) (a99) (a100) (a101) (a102) (a103) (a104) (a105) (a106) (a107) (a108) (a109) (a110) (a111) (a112) (a113) (a114) (a115) (a116) (a117) (a118) (a119) (a120) (a121) (a122) (a123) (a124) (a125) (a126) (a127) (a128) (a129) (a130) (a131) (a132) (a133) (a134) (a135) (a136) (a137) (a138) (a139) (a140) (a141) (a142) (a143) (a144) (a145) (a146) (a147) (a148) (a149) (a150) (a151) (a152) (a153) (a154) 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A2.4. Granturi /proiecte cercetare câștigate prin competiție/Contracte cu agenți economici, min. 10000 echivalent Euro încasați

A2.4.1. Internaționale – Director

1. SOCRATES – ERASMUS IC 53714 – RO/2005-2013, RO BUCHAREST 11, Universidade NOVA de Lisboa, Portugal, 28.04.2006-14.05.2006 – **2005-2013; DIRECTOR.**
 $K_{P11} = 20 \times 8 = 160.$
2. Training for Improving of Managerial Skills of University Teachers. Contract Leonardo da Vinci nr. RO/2001/PL87069/EX, 18.02.2002 – 4.03.2002, Aveiro, Portugalia 2002 – **2002-2003; DIRECTOR.**
 $K_{P12} = 20 \times 2 = 40.$
3. Samples of metal alloys belonging to FeCrAl system. Contract nr. 733/20469330/IHM, Karlsruhe Institut fur Tehnologie, **24.01.2011 - DIRECTOR.**
 $K_{P13} = 20 \times 1 = 20.$
4. Execution of metal alloys from FeCrAl, TiNiNb and Aluminium cantaining samples. Contract no. 723/20584082/IHM-AHIT-OMT-GFB/28.11.2014, Karlsruhe Institut fur Tehnologie, **24.01.2014 - DIRECTOR.**
 $K_{P14} = 20 \times 1 = 20.$

A2.4.2. Internaționale – Membru

1. Training for Biomaterials Integration in Computer-aided paradigm (TICAMP). **Contract Leonardo da Vinci, nr. RO/2004/93006/EX**. 1.05.2006 - 12.05.2006, Universidade NOVA de Lisboa, Portugal - **Membru**.
 $K_{pi1} = 4 \times 1 = 4$.
2. Certificarea competențelor în domeniul managementului de mediu. **Contract Leonardo da Vinci nr. RO/2003/PL91110/EX**, Centre de Support Telemetique - Marche-en-Famenne, Belgia, 2004 - **Membru**.
 $K_{pi2} = 4 \times 1 = 4$.
3. Training and Certification of Assessors in Welding and Non-Destructive Testing Field. **Contract Leonardo da Vinci nr. RO/2003/91111/EX** - Porto Salvo, Portugalia 2004 - **Membru**.
 $K_{pi3} = 4 \times 1 = 4$.
4. Crearea unui centru regional de servicii pentru promovarea ocupării în cadrul IMM-urilor locale a tinerilor absolvenți din regiunea de dezvoltare București - Ilfov și pentru dezvoltarea liberei inițiative S-IMM-T. **Contract PHARE nr. RO.0007.02.01.02.2311**, București, 2003 - **Membru**.
 $K_{pi4} = 4 \times 1 = 4$.
5. Centre Professionnel pour Formation Continue en Productique Moderne. **Contract Leonardo da Vinci nr. RO/2000/B/F/PP141037**, București, 2001 - **Membru**.
 $K_{pi5} = 4 \times 1 = 4$.

A2.4.3. Naționale – Director/Responsabil

1. Materiale metalice avansate pentru noile generații de centrale nucleare 4R – NUCLEARMAT. Contract PNCDI 2-PARTENERIATE 220/2013 – **DIRECTOR**.
 $K_{pi1} = 5 \times 4 = 20$.
2. Electrozi multistrat pentru sudarea prin rezistență electrică în puncte și linie - ELSUD. Contract PNCDI 1-PARTENERIATE - 71-066/2007 - **DIRECTOR**.
 $K_{pi2} = 5 \times 3 = 15$.
3. Cercetari fundamentale si aplicative privind transferul intensiv al energiei termice in cuptoare destinate obtinerii produselor ceramice de inalta refractaritate - CUPCERAM. Contract CEEEX nr. 299/2006 - **DIRECTOR**.
 $K_{pi3} = 5 \times 3 = 15$.
4. Ciocane ranforsate cu deseuri recuperabile din carburi pentru mori de macinare – MILHAM. Contract PNCDI 2-PARTENERIATE - 72-218/2008 - **DIRECTOR**.
 $K_{pi4} = 5 \times 3 = 15$.
5. Cercetari fundamentale si aplicative privind obtinerea produselor tubulare din oteluri de calitate superioara in vederea reducerii costurilor si ecologizarii productiei - TUBOTEL. Contract CEEEX nr. X2C22/2006 - **DIRECTOR**.
 $K_{pi5} = 5 \times 3 = 15$.
6. Cercetări fundamentale și aplicative privind creșterea eficienței energetice și reducerea poluării prin realizarea sistemelor de ardere autocarburante la cazanele de mare putere - AUTOCARB. Contract CEEEX nr. 077/2005 - **DIRECTOR**.
 $K_{pi6} = 5 \times 3 = 15$.
7. Cercetări fundamentale și aplicative privind realizarea bronzurilor cu 12-15 % staniu destinate obținerii unor straturi antifricțiune - BRONZINV. Contract CEEEX nr. 98/2005 - **DIRECTOR**.
 $K_{pi7} = 5 \times 3 = 15$.
8. Cercetări inovative privind realizarea unor noi materiale pentru sudare și procese de producție - MATAVSUD. Contract CEEEX nr. 99/2005 - **DIRECTOR**.
 $K_{pi8} = 5 \times 3 = 15$.
9. Obținerea și expertizarea unor noi materiale biocompatibile pentru aplicații medicale - MedicaMetMat - Aliaje biocompatibile pe bază de titan pentru protetică medicală din sisteme complexe 1030microaliat - BioTIT - Proiect PCCDI 60/2018 - **RESPONSABIL UPB PROIECT 2**.
 $K_{pi9} = 5 \times 5 = 25$.
10. Obținerea și expertizarea unor noi materiale biocompatibile pentru aplicații medicale - MedicaMetMat - Aliaje biocompatibile cu entropie ridicată pentru aplicații medicale - HEAMED - Proiect PCCDI 60/2018 - **RESPONSABIL UPB PROIECT 4**.
 $K_{pi10} = 5 \times 5 = 25$.
11. Sisteme de protecție individuală și colectivă pentru domeniul militar pe bază de aliaje cu entropie ridicată - HEAPROTECT - Sisteme de protecție antiexplozie din aliaje ușoare cu entropie ridicată pentru rezervoare de combustibil - COMBPROT - Proiect PCCDI 20/2018 - **RESPONSABIL UPB PROIECT P1**.
 $K_{pi11} = 5 \times 5 = 25$.

12. Sisteme de protecție individuală și colectivă pentru domeniul militar pe bază de aliaje cu entropie ridicată - HEAPROTECT - Sisteme de protecție colectivă realizate din aliaje cu entropie ridicată din sistemul FeCrAlMnNi microaliate cu Ti, Zr, Hf, Y - Proiect PCCDI 20/2018 - **RESPONSABIL UPB PROIECT P2.**
K_{PI12} = 5x5 = 25.
13. Sisteme de protecție individuală și colectivă pentru domeniul militar pe bază de aliaje cu entropie ridicată - HEAPROTECT - Penetrator cu energie cinetică ridicată realizat din aliaje cu entropie ridicată din elemente chimice de mare densitate - HEAPENET - Proiect PCCDI 20/2018 - **RESPONSABIL UPB PROIECT P4.**
K_{PI13} = 5x5 = 25.
14. Instalatie pentru obtinerea prin levitatie in atmosfera inerta a aliajelor bio-compatibile usoare de inalta puritate – BIOLEV - PTE 14/2016. **RESPONSABIL UPB.**
K_{PI14} = 5x3 = 15.
15. Aliaj refractar rezistent la coroziune X10 NiCrAlTi 32 20 – NonCoro / PNIII – PTE 48/2016. **RESPONSABIL UPB.**
K_{PI15} = 5x3 = 15.
16. Componentă pentru excavator ranforsată cu aliaje cu entropie ridicată – HEATEETH. Contract INOVARE PN-II-IN-DPST-2012-1-0066 – **RESPONSABIL UPB-CEMS.**
K_{PI16} = 5x3 = 15.
17. High toughnes nanoprecipitate microalloyed steels – ToughNanoMicrAl. Contract PARTENERIATE-PCCA, nr. 170/2012 - **RESPONSABIL UPB-CEMS.**
K_{PI17} = 5x4 = 20.
18. Implementarea efectului de memorie a formei in sisteme mecatronice inteligente utilizand materiale avansate obtinute prin metalurgia pulberilor - AMFM. Contract PNCDI 2-PARTENERIATE nr.72-224/2008 - **RESPONSABIL UPB-CEMS.**
K_{PI18} = 5x3 = 15.
19. Tehnologie de depunere prin sudare hibrida LASER-MIG cu pulberi - LASERDEP. Contract PNCDI 2-PARTENERIATE nr.72-216/2008 - **RESPONSABIL UPB.**
K_{PI19} = 5x3 = 15.
20. Solutii novative de realizare prin autoformare a modelelor pentru turnarea pieselor de serie mica si unicate – AUTOFORMMODEL. Contract PNCDI 2-PARTENERIATE nr.72-203/2008 - **RESPONSABIL UPB-CEMS.**
K_{PI20} = 5x3 = 15.
21. Nou material compozit Al–bazalt utilizat la producerea de piese rezistente la uzura - MATCOMALBAZ. Contract PNCDI 2-INOVARE nr.145/2008 - **RESPONSABIL UPB-CEMS.**
K_{PI21} = 5x3 = 15.
22. Solutii novative privind depoluarea termica, separarea si captarea CO₂ din gazele arse rezultate din procesele termice industriale - DEPOLTERCHIM. Contract PNCDI 1-PARTENERIATE nr.21-016/2007 - **RESPONSABIL UPB-CEMS.**
K_{PI22} = 5x3 = 15.
23. Realizarea in sistem modular a snecurilor utilajelor de extruziune din industriile prelucratoare - SENMELC. Contract PNCDI 1-PARTENERIATE nr.71-014/2007 - **RESPONSABIL UPB-CEMS.**
K_{PI23} = 5x3 = 15.
24. Tehnologii si materiale inovative pentru fabricarea pieselor de uzura destinate productiei de automobile - TEMIPUPA. Contract PNCDI 1-PARTENERIATE nr.71-061/2007 - **RESPONSABIL UPB-CEMS.**
K_{PI24} = 5x3 = 15.
25. Realizarea prin thixotropizare si injectare directa in matrita a pieselor complexe destinate echipamentelor electronice si de comunicatii - THIXINJECT. Contract PNCDI 1-INOVARE nr.72/2007 - **RESPONSABIL UPB-CEMS.**
K_{PI25} = 5x3 = 15.
26. Materiale noi si tehnologii inovative pentru cresterea rezistentei la oboseala si coroziune a pieselor de uzura - MICROPUPA. Contract PNCDI 1-INOVARE nr.95/2007 - **RESPONSABIL UPB-CEMS.**
K_{PI26} = 5x3 = 15.
27. Materiale novative cu structură amorfă pentru brazare destinate aplicațiilor industriale speciale - NOVABRAZ. Contract CEEX nr. 221/2006 - **RESPONSABIL UPB-CEMS.**
K_{PI27} = 5x3 = 15.
28. Materiale noi biocompatibile pentru implantologie ortopedica - BIOCOB. Contract CEEX nr. 223/2006 - **RESPONSABIL UPB-CEMS.**
K_{PI28} = 5x3 = 15.
29. Cercetari fundamentale si aplicative privind prelucrarea cu jet de apa si particule abrazive orientate electromagnetic - ELMAJET. Contract CEEX nr. 256/2006 - **RESPONSABIL UPB-PREMINV.**
K_{PI29} = 5x3 = 15.

30. Materiale și tehnologii inovative pentru creșterea durabilității elementelor active din componența echipamentelor tehnice utilizate în agricultură - DURAG. Contract CEEEX nr. 298 /2006 - **RESPONSABIL UPB-CEMS.**

$$K_{PI30} = 5 \times 3 = 15.$$

31. Cercetări fundamentale și aplicative privind realizarea bronzurilor CuNiAl destinate reconditionării elicelor navale - ELNAV. Contract CEEEX nr. 322/2006 - **RESPONSABIL UPB-CEMS.**

$$K_{PI31} = 5 \times 3 = 15.$$

32. Cercetari inovative privind realizarea și implementarea în agregatele termice industriale a unor noi atenuatoare de zgomot în vederea reducerii poluării sonore generate de esaparea în atmosferă de gaze sau abur - POLSON. Contract CEEEX nr. 77/2005 - **RESPONSABIL UPB-CEMS.**

$$K_{PI32} = 5 \times 3 = 15.$$

33. Material și tehnologie pentru fabricarea sculelor încărcate prin sudare intens solicitate la temperaturi ridicate - INCASUD. Contract INVENT nr. 196/2005 - **RESPONSABIL UPB-CEMS.**

$$K_{PI33} = 5 \times 3 = 15.$$

34. Sistem integrat de informare tehnologică. Portal pentru servicii de informare. Contract de cercetare științifică SECTORIAL MEC - IPA - SIAT - AMCSIT POLITEHNICA, Cod 2.1.1/2004 - **RESPONSABIL AMCSIT POLITEHNICA.**

$$K_{PI34} = 5 \times 3 = 15.$$

A2.4.4. Naționale – Membru

1. Materiale si tehnologii performante destinate realizarii cutitelor de freza pentru asfalt - MATFREZ. Contract PARTENERIATE-PCCA, nr. 188/2012 – **Membru.**

$$K_{pi1} = 2 \times 3 = 6.$$

2. Composite structures resistant at dynamic loadings applied with high deformation speeds used in the field of collective protection – HEAMIL. Contract PARTENERIATE-PCCA, nr. 209/2012 - **Membru.**

$$K_{pi2} = 2 \times 3 = 6.$$

3. Instalatie ecologica pentru prelucrarea deseurilor menajere – ECOMAG. Contract PNCDI 1-INOVARE 112/2007 - **Membru.**

$$K_{pi3} = 2 \times 3 = 6.$$

4. Formarea prin pulverizare a electrozilor compoziti, utilizati pentru depuneri dure si sudare in puncte – PULVER. Contract PNCDI 1-INOVARE nr.57/2007 - **Membru.**

$$K_{pi4} = 2 \times 3 = 6.$$

5. Sudarea cu laser a capsulelor pentru surse radioactive – LASERCAP. Contract PNCDI 1-PARTENERIATE nr.71-132/2007 - **Membru.**

$$K_{pi5} = 2 \times 3 = 6.$$

6. Nanomateriale de adaos microaliante pentru imbinarea materialelor ceramice – NANOCERAD. Contract PNCDI 1-PARTENERIATE nr.71-118/2007 - **Membru.**

$$K_{pi6} = 2 \times 3 = 6.$$

7. Tehnologii inovative de obtinere din materiale compozite cu proprietati dirijate a lagarelor de alunecare pentru industria auto – TOMCD. Contract PNCDI 1-PARTENERIATE nr.71-048/2007 - **Membru.**

$$K_{pi7} = 2 \times 3 = 6.$$

8. Tehnologii inovative pentru realizarea de elemente modulate destinate fabricării sculelor pentru deformări plastice - ELMOD. Contract PNCDI 1-PARTENERIATE nr.71-039/2007 - **Membru.**

$$K_{pi8} = 2 \times 3 = 6.$$

9. Laborator pentru incercari metalografice – LAMET. Contract RENAR nr. 122/2006 - **Membru.**

$$K_{pi9} = 2 \times 3 = 6.$$

10. Cercetari privind elaborarea unei tehnologii romanesti de co-combustie: biomasa-carbune – BIOCARB. Contract CEEEX nr. 158/2006 - **Membru.**

$$K_{pi10} = 2 \times 3 = 6.$$

11. Tehnologii inovative de crestere a disponibilitatii utilajelor pentru reabilitarea drumurilor (terasiere) prin utilizarea elementelor modulate, incarcate cu straturi dure prin sudare – DURASTRADE. Contract CEEEX nr. 116/2005 - **Membru.**

$$K_{pi11} = 2 \times 3 = 6.$$

12. Cercetari inovative privind valorificarea complexa a materialelor si rezidurilor organice pentru obtinerea resurselor alternative regenerabile de energie in instalatii adaptate pentru mediul rural - RARENERG. Contract CEEEX nr. 114/2005 - **Membru.**

$$K_{pi12} = 2 \times 3 = 6.$$

13. Laborator pentru încercări construcții sudate – SUDOTEST. Contract INFRAS nr. 238/2004 - **Membru**.
 $K_{pi13} = 2 \times 3 = 6$.
14. Cercetări privind realizarea unor mase plastice refractare de stampare utilizând șisturile pirofilitice de Vezuoroiu. Contract RELANSIN nr. 1699/2003 - **Membru**.
 $K_{pi14} = 2 \times 3 = 6$.
15. Oțeluri inoxidabile îmbunătățite pentru produse turnate cu prelucrabilitate ridicată. Contract RELANSIN nr. 1757/2003 - **Membru**.
 $K_{pi15} = 2 \times 3 = 6$.
16. New ceramic layer composite material processed by laser techniques for corrosion and high temperature applications – LASCERHEA. Contract PED/2020 – **Membru**.
 $K_{pi16} = 2 \times 3 = 6$.

TOTAL A2 = 1433,64

A3.1. Citări în reviste cotate ISI Thomson Reuters – Web of Science Core Collection [FI-Factor de Impact] și în alte BDI (FI se referă la revista în care a fost publicat articolul care citează)

A.3.1. Citări în reviste cotate ISI Thomson Reuters – Web of Science Core Collection

1. Fazakas, E., Varga, B., GEANTĂ, V., Berecs, T., Jenei, P., Voiculescu, I., Coșniță, M., Ștefănoiu, R. Microstructure, Thermal and Corrosion Behavior of the AlAgCuNiSnTi Equiatomic Multicomponent Alloy. **MATERIALS** 2019, Volume 12, Issue 6, Articol Number 12,926; ISSN: 1996-1944. FI = 2,972. doi: 103390/ma12060926. Accession Number: WOS: 000464359900010. FI=2,972. Times cited: 3.
- 1.a. Liang, Y.X., Wang, P.P., Wang, Y.F., Dai, I.J., Hu, Z.I., Tranca, D., Hristu, R., Stanciu, S.G., Toma, A., Stanciu, G. Growth Mechanisms and the Effects of Deposition Parameters on the Structure and Properties of High Entropy Film by Magnetron Sputtering. **MATERIALS**. Volume 12, Issue 18 Article Number 3008, Published SEP 2019. DOI: 10.3390/ma12183008. p.16. WOS:000464359900010. FI = 3,057
 $K_{pi1.a} = 20/8 = 2,5$.
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 $K_{pi1b} = 20/8 = 2,5$.
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$$K_{pi21a} = 20/5 = 4.$$

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$$K_{pi21d} = 5/5 = 1.$$

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$$K_{pi23a} = 15/5 = 3.$$

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A3.2. Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și profesor invitat

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5. GEANTĂ, V., 11-th International Conference on Materials Science and Engineering – BraMat 2019. Chairpersons: Victor GEANTĂ, Politehnica University of Bucharest, ROMANIA; Cornel SAMOILĂ, Transilvania University of Brasov, ROMANIA.
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12. **GEANTĂ, V.** Comitetul științific revista Analele Universității Dunărea de Jos, Galați - **Membru.**
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13. **GEANTĂ, V.** Comitetul științific revista Metallurgy and New Materials Researches - **Membru.**
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14. **GEANTĂ, V.** Analele Universității Dunărea de Jos, Galați – **Recenzor.**
 $K_{pi14} = 3.$
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16. **GEANTĂ, V.** Comitetul științific al revistei Metallurgy and New Materials Researches - **Membru.**
 $K_{pi16} = 5.$
17. **GEANTĂ, V.** International Scientific Committee ROMAT 2020 - **Membru.**
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18. Cojocaru, D., **GEANTĂ, V.** ROMAT 2020.. Materials Obtaining, Processing and Characterization - **Chairs**
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19. **AMCSIT Politehnica - Evaluator.**
 $K_{pi19} = 2.$
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21. **CERES - Evaluator.**
 $K_{pi21} = 2.$
22. **MATNANTECH - Evaluator.**
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23. **UEFISCDI - Evaluator.**
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 $K_{pi24} = 10.$

A3.3.3. Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice neindexate

1. Simpozionul Național „110 ani de la nașterea profesorului universitar inginer Alexandru Rău” - 2010 - **Membru în comitetul de organizare.**
 $K_{pi1} = 3.$
2. Coordonator și realizator al activităților de promovare ale AMCSIT Politehnica, organizarea manifestărilor oficiale (targuri si expozitii nationale / internationale, conferinte nationale, work-shop-uri, diseminare etc.) (**UNIVERSITARIA Cluj-Napoca 2000, Expozițiile PRO-RELANSIN 2001-2006, TIB 2001-2006 (CONRO 2001-2006), Ziua Porților Deschise 2002.**
 $K_{pi2} = (5 + 6 \times 5 + 6 \times 5 + 6 \times 5 + 5) = 100.$

A3.3.4. Expert evaluare programe de cercetare

- a. Expert pentru Programe internaționale Comunitatea Europeană, Comisia oțelului și a Cărbunelui, **EXPERT 2002B084050 DGCS-CE - 2006.**
 $K_{pi1} = 10 \times 5 = 50.$
2. Evaluator Proiect Internațional **HEAFNA- 2018.**
 $K_{pi2} = 10 \times 1 = 10.$

A.3.3.5. Premii

A3.3.5.1. Premii Internaționale

1. Binchiciu, H., GEANTĂ, V., Voiculescu, I., Binchiciu, H., Vida-Simiti, I., Ștefănoiu, R., Binchiciu, E., Negriu, R.M. Electrozi cu înveliș compozit din bronzuri cu staniu. Diploma de excelență și Medalia de aur, Salonul internațional de invenție PROINVENT, Ediția a IX-a, Cluj-Napoca, 22 – 25 martie 2011.
 $K_{pi1} = 10$.
2. Binchiciu, A., Voiculescu, I., GEANTĂ, V., Binchiciu, A., Ștefănoiu, R., Iovănaș, D., Binchiciu, E., Negriu, R.M. Grup de invenții. Diploma de excelență și Medalia de aur, Salonul internațional de invenție PROINVENT, Ediția a IX-a, Cluj-Napoca, 22 – 25 martie 2011.
 $K_{pi2} = 10$.
3. Binchiciu, H., GEANTĂ, V., Vida-Simiti, I. Electrozi cu înveliș compozit din bronzuri. Diploma de excelență acordată de Universitatea Tehnică a Moldovei, Salonul internațional de invenție PROINVENT, Ediția a IX-a, Cluj-Napoca, 22 – 25 martie 2011.
 $K_{pi3} = 10$.
4. GEANTĂ, V., Voiculescu, I., Ștefănoiu, R., Binchiciu, H., Negriu, R.M. Group of Inventions. Gold Medal. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 14, 2011.
 $K_{pi4} = 10$.
5. GEANTĂ, V. Grup de invenții. Diploma de excelență și medalia de aur cu mențiune specială, Salonul internațional de Invenție PROINVENT, Ediția a X-a, Cluj-Napoca, 27 – 30 martie 2012.
 $K_{pi5} = 10$.
6. GEANTĂ, V., Voiculescu, I., Ștefănoiu, R., Binchiciu, H., Negriu, R.M. Prag de retenție pentru concasoare centrifugale. Diploma de excelență PRO INVENT, Salonul internațional de invenție PROINVENT, Ediția a X-a, Cluj-Napoca, 27 – 30 martie 2012.
 $K_{pi6} = 10$.
7. Binchiciu, H., GEANTĂ, V., Voiculescu, I., Binchiciu, A., Ștefănoiu, R., Binchiciu, E., Negriu, R.M. Procedeu și instalație de obținere a unor pulberi din aliaje binare de aluminiu-magneziu destinate producerii unor piese metalice cu structură thixotropică. Diploma de excelență PRO INVENT, Salonul internațional de invenție PROINVENT, Ediția a X-a, Cluj-Napoca, 27 – 30 martie 2012.
 $K_{pi7} = 10$.
8. GEANTĂ, V. Retention apron for centrifugal crushers. Special award of KOREA INVENTION NEWS. 4-th Edition of European Exhibition of Creativity and Innovation, EUROINVENT 2012, held from 10-th – 12-th may, 2012 in Iași, România.
 $K_{pi8} = 10$.
9. GEANTĂ, V., Voiculescu, I., Ștefănoiu, R., Binchiciu, H., Negriu, R.M. Retention apron for centrifugal crushers. Gold Medal. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 10 – 12, 2012.
 $K_{pi9} = 10$.
10. Binchiciu, A., Voiculescu, I., GEANTĂ, V., Binchiciu, H., Ștefănoiu, R., Iovănaș, D., Binchiciu, E., Negriu, R.M. Wear preventing shield and manufacturing process. Gold Medal. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 10 – 12, 2012.
 $K_{pi10} = 10$.
11. Voiculescu, I., Binchiciu, A., GEANTĂ, V., Binchiciu, H., Ștefănoiu, R., Iovănaș, D., Negriu, R.M., Binchiciu, E. Electrodes coating for welding deposition using hard resistant wear alloys. Bronze Medal. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, may 10 – 12 2012.
 $K_{pi11} = 10$.
12. GEANTĂ, V., Voiculescu, I., Binchiciu, H., Binchiciu, A., Ștefănoiu, R., Binchiciu, E., Negriu, R.M. Installation and procedure for obtaining powders of binary aluminium-magnesium alloys used for making metal pieces with thixotropic structure. Gold Medal. 5th European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 9 – 11, 2013.
 $K_{pi12} = 10$.
13. Ștefănoiu, R., GEANTĂ, V., Binchiciu, H., Voiculescu, I., Binchiciu, A., Binchiciu, E. Electrode with core from alloy 83%Fe-17% Cr. Silver Medal. 5-th European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 9 – 11, 2013.
 $K_{pi13} = 10$.
14. GEANTĂ, V., Ștefănoiu, R. Ingineria producerii oțelului. Silver Medal. Technical–Stiintifical, Artistic and literary Book Salon. 5-th European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 9-11, 2013.

K_{pi14} = 10.

15. **GEANTĂ, V.**, Ștefănoiu, R., Cioacă, I., Cioacă, M.D., Ene, M., Burcoveanu, A., Poșoiu, P.C. Atenuator de zgomot. Diplomă de Excelență și Medalia de Aur. Salonul Internațional de Inventică, Ediția a XII-a, 19-21 martie 2014, Cluj-Napoca, România.

K_{pi15} = 10.

16. Voiculescu, I., **GEANTĂ, V.**, Ștefănoiu, R., Iacobescu, G., Grigoriu C., Nicolae, I., Dragulinescu, D., Viespe, C., Sima, C., Fugaru, V., Manea S.E., Daisa D.D. Instalație automatizată de sudare cu fascicul de laser a capsulelor radioactive pentru medicină nucleară și procedeu de utilizare. Diplomă de Excelență și Medalia de Argint. Salonul Internațional de Inventică, Ediția a XII-a, 19-21 martie 2014, Cluj-Napoca, România.

K_{pi16} = 10.

17. **GEANTĂ, V.**, Voiculescu, I., Ștefănoiu, R. Innovative Research in Elaboration of Metallic Materials. Special Prize. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 24, 2014.

K_{pi17} = 10.

18. Voiculescu, I., **GEANTĂ, V.**, Ștefănoiu, R., Iacobescu, G., Grigoriu C., Nicolae, I., Dragulinescu, D., Viespe, C., Sima, C., Fugaru, V., Manea S.E., Daisa D.D. Automated installation for laser beam welding of radioactive capsules for nuclear medicine and method of use". Silver Medal. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 24, 2014.

K_{pi18} = 10.

19. **GEANTĂ, V.**, Ștefănoiu, R., Cioacă, I., Cioacă, M.D., Ene, M., Burcoveanu, A., Poșoiu, P.C. Heating Furnace. Gold Medal. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 24, 2014.

K_{pi19} = 10.

20. **GEANTĂ, V.**, Ștefănoiu, R., Cioacă, I., Cioacă, M.D., Ene, M., Burcoveanu, A., Poșoiu, P.C. Noise Damper. Gold Medal. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 24, 2014.

K_{pi19} = 10.

21. Binchiciu, E., Binchiciu, A., Binchiciu, H., Voiculescu, I., **GEANTĂ, V.**, Ștefănoiu, R. Bandă compozită cu proprietăți de autoascuțire pentru ranforsarea suprafețelor active ale utilajelor de prelucrarea solului și proprietăți de obținere. Salonul Internațional de Inventică, Ediția a XIII-a, 25-27 martie 2015, Cluj-Napoca, România.

K_{pi21} = 10.

22. Binchiciu, E., **GEANTĂ, V.**, Voiculescu, I., Ștefănoiu, R., Iovăna, R.F., Binchiciu, A., Binchiciu, H. Cuțit de freză pentru asfalt cu sistem de autoprotecție la uzare și autoblocare la rotire și procedeu de fabricație. Salonul Internațional de Inventică, Ediția a XIII-a, 25-27 martie 2015, Cluj-Napoca, România.

K_{pi22} = 10.

23. Voiculescu, I., **GEANTĂ, V.**, Ștefănoiu, R., Iacobescu, G., Grigoriu C., Nicolae I., Dragulinescu, D., Viespe C., Sima C., Fugaru V., Manea S., Daisa D. Diploma și medalie de aur la Tehnical-Scientific, Artistic and Literary Book Salon, European Exhibition of Creativity and Innovation, EUROINVENT Iași, 2016. Brevet „Metoda de sudare cu laser a unei capsule cu material radioactiv”, Patent Number: RO 201200305/03.05.2012.

K_{pi23} = 10.

24. **GEANTĂ, V.** Diploma de excelență. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 16, 2015.

K_{pi24} = 10.

25. Binchiciu, E., Voiculescu, I., Binchiciu, H., **GEANTĂ, V.**, Ștefănoiu, R., Binchiciu, A. Tubular rod with composite core and its manufacturing process. Gold Medal. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 16, 2015.

K_{pi25} = 10.

26. Binchiciu, E., Voiculescu, I., Binchiciu, H., **GEANTĂ, V.**, Ștefănoiu, R. Rods used to weld high resistance to breakage steels with high deposition yield even in radioactive environments. Gold Medal. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 16, 2015.

K_{pi26} = 10.

27. Binchiciu, E., **GEANTĂ, V.**, Voiculescu, I., Ștefănoiu, R., Iovănaș, R.F., Binchiciu, H., Binchiciu, A. Mill knife for asphalt cutting / stripping that has wear self protection and auto block when spinning. Gold Medal. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 16, 2015.

K_{pi27} = 10.

28. Voiculescu, I., Binchiciu, E., **GEANTĂ, V.**, Binchiciu, H., Ștefănoiu, R., Binchiciu, A. Silver Medal. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 16, 2015.

K_{pi28} = 10.

29. Binchiciu, E., Voiculescu, I., **GEANTĂ, V.**, Binchiciu, A., Ștefănoiu, R., Tihanov-Tanasache, D., Binchiciu, H. Diploma de excelență și medalia de aur cu mențiune specială. Salonul Internațional de Inventică PRO INVENT, Ediția a XIV-a, 2016, Cluj-Napoca, România.

K_{pi29} = 10.

30. Binchiciu, H., Tihanov-Tanasache, D., **GEANTA, V.**, Binchiciu, E., Voiculescu, I., Binchiciu, A., Ștefănoiu, R. Diploma de excelență și medalia de aur cu mențiune specială pentru invenția – Ciocane de mori pentru macinare prin impact și procedeele lor de obținere, Salonul Internațional de Inventică PRO-INVENT, ed. XIV, 2016, Cluj-Napoca, România.

K_{pi30} = 10.

31. Binchiciu, E., Voiculescu, I., **GEANTA, V.**, Binchiciu, A., Ștefănoiu, R., Tihanov-Tanasache, D., Binchiciu, H. Diploma și medalia de aur pentru invenția - Coated rods for brazing and obtaining process, Expoziția Europeană a Creativității și Inovării, Euroinvent Iași, 2016, România.

K_{pi31} = 10.

32. Binchiciu, H., Tihanov-Tanasache, D., **Geanta, V.**, Binchiciu, E., Voiculescu, I., Binchiciu, H., Ștefănoiu, R. Diploma și medalie de argint pentru invenția – Hammer for mills grinding through impact and its obtaining process. Expoziția Europeană a Creativității și Inovării, Euroinvent, Iași, România, 2016.

K_{pi32} = 10.

33. Voiculescu, I., **GEANTA, V.**, Ștefănoiu, R., Iacobescu, G., Grigoriu, C., Nicolae, I., Dragulinescu, D., Viespe, C., Sima, C., Fugaru, V., Manea, S.E. Daisa, D.D. Diploma și medalie de aur pentru invenția - Laser Welding Method of the Capsules with Radioactive Material. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, 2016.

K_{pi33} = 10.

34. Voiculescu, I., **GEANTA, V.**, et al., Diploma and Gold Medal for invention - Laser Welding Method of the Capsules with Radioactive Material, International Exhibition of Economic and Scientific Innovations, Katowice, Poland, 2016.

K_{pi34} = 10.

35. **GEANTĂ, V.**, Voiculescu, I., Ștefănoiu, R., Binchiciu, H., Vasile, M.I., Bârlădeanu, M., Ionescu, M., Cărciumăreasa, D., Irimia, M. Diploma GOLD MEDAL - Filler material for cladding by arc-welding with high toughness and hardness and procedure for obtaining. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 2017.

K_{pi35} = 10.

36. Tacă, M., Daisa, D.D., **GEANTĂ, V.**, VOICULESCU, I., Ștefănoiu, R., Constantinescu, D.M., Vintilă, A., Vintilă, A. Diploma și SILVER MEDAL - Microalloyed steel with high toughness in normalized condition and procedure for obtaining. European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 2017.

K_{pi36} = 10.

37. **GEANTĂ, V.**, Voiculescu, I., Ștefănoiu, R., Binchiciu, H., Vasile, M.I., Bârlădeanu, M., Ionescu, M., Cărciumăreasa, D., Irimia, M. Filler material for cladding by arc welding with high toughness and hardness and procedure for obtaining. Diploma de excelență a Universității Tehnice a Moldovei, Euroinvent Iași, 2017.

K_{pi37} = 10.

38. Binchiciu, E., Voiculescu, I., **GEANTĂ, V.**, Binchiciu, A., Ștefănoiu, R., Tihanov, D., Binchiciu, H. Vergele învelite pentru brazare și procedeu de realizare. Diploma și medalia de aur la Salonul Internațional de Invenții și Inovații Traian Vuia, Timișoara, 9 iunie 2017.

K_{pi38} = 10.

39. Binchiciu, H., Tihanov, D., **GEANTĂ, V.**, Binchiciu, E., Voiculescu, I., Binchiciu, A., Ștefănoiu, R. Ciocane de mori pentru măcinare prin impact și procedeele lor de obținere. Diploma și medalia de aur la Salonul Internațional de Invenții și Inovații Traian Vuia, Timișoara, 9 iunie 2017.

K_{pi39} = 10.

40. Binchiciu, A., Voiculescu, I., **GEANTĂ, V.**, Binchiciu, H., Ștefănoiu, R., Iovănaș, D., Binchiciu, E., Negriu, M.R. Blindaj antiuzură și procedeu de fabricație. Diploma și medalia de aur la Salonul Internațional de Invenții și Inovații Traian Vuia, Timișoara, 9 iunie 2017.

K_{pi40} = 10.

41. Ștefănoiu, R., Binchiciu, E., Voiculescu, I., **GEANTĂ, V.**, Binchiciu, H. Armături amovibile de înaltă rezistență la uzare și procedeu de obținere. Diploma și medalia de aur la Salonul Internațional de Invenții și Inovații Traian Vuia, Timișoara, 9 iunie 2017.

K_{pi41} = 10.

42. Voiculescu, I., Binchiciu, E., **GEANTĂ, V.**, Binchiciu, H., Ștefănoiu, R. Electrode pentru crăitire aer-arc și procedeu de obținere. Diploma și medalia de aur la Salonul Internațional de Invenții și Inovații Traian Vuia, Timișoara, 9 iunie 2017.
K_{pi42} = 10.
43. Binchiciu E., Voiculescu, I., **GEANTĂ V.**, Binchiciu H., Ștefănoiu R. Bandă compozită cu proprietăți de autoasculire pentru ranforsarea suprafețelor active ale utilajelor de prelucrare a solului și procedeu de obținere. Diploma și medalia de aur la Salonul Internațional de Invenții și Inovații Traian Vuia, Timișoara, 2017.
K_{pi43} = 10.
44. Binchiciu, E., Voiculescu, I., **GEANTĂ, V.**, Ștefănoiu, R., Binchiciu, A. Electrode tubular cu miez compozit și procedeu de obținere. Diploma și medalia de aur la Salonul Internațional de Invenții și Inovații Traian Vuia, Timișoara, 2018.
K_{pi44} = 10.
45. Vizureanu, P., **GEANTĂ, V.**, Savin, A., Verestiuc, L., Spătaru, M. Ti-based biocompatible alloys for medical prostheses from complex micro-alloyed system-BioTIT. Diploma de excelență, European Exhibition of Creativity and Innovation, EUROINVENT, Iasi, Romania, May 2019.
K_{pi45} = 10.
46. **GEANTĂ, V.**, Voiculescu, I., Ștefănoiu, R., Sandu, A.V., Vlădescu, A., Codescu, M., Pavel, G., Kelemen, H. Biocompatible alloys with high entropy for medical applications – HEAMED. Diploma de excelență, European Exhibition of Creativity and Innovation, EUROINVENT, Iasi, Romania, May 2019.
K_{pi46} = 10.
47. **GEANTĂ, V.**, Voiculescu, I. Tratat de obținere a materialelor metalice biocompatibile. Silver Medal European Exhibition of Creativity and Innovation, EUROINVENT, Iasi, Romania, May 2019.
K_{pi47} = 10.

A3.3.5.2. Premii naționale

1. **GEANTĂ, V.**, Voiculescu, I. Tratat de obținere a materialelor Metalice Biocompatibile. Premiul AGIR – 12 septembrie 2019.
K_{pi1} = 5.
2. **GEANTĂ, V.**, Voiculescu, I. Molnar, G., Kelemen, G. Instalație pentru obținerea prin levitație în atmosferă inertă a aliajelor biocompatibile ușoare de înaltă puritate. Premiul AGIR – 12 septembrie 2019.
K_{pi2} = 5.
3. **GEANTĂ, V.**, Voiculescu, I., Binchiciu, H., Binchiciu, A., Ștefănoiu, R., Binchiciu, E., Negriu, R.M. Installation and procedure for obtaining powders of binary aluminium-magnesium alloys used for making metal pieces with thixotropic structure. Diploma de excelență - ICECHIM. 5-th European Exhibition of Creativity and Innovation, EUROINVENT, Iași, România, May 9 – 11, 2013.
K_{pi3} = 5.
4. **GEANTĂ, V.**, Ștefănoiu, R., Cioacă, I., Cioacă, M.D., Ene, M., Burcoveanu, A., Poșoiu, P.C. Heating Furnace. Diploma de excelență EUROINVENT, Iași, România, May 24, 2014.
K_{pi4} = 5.
5. Voiculescu, I., **GEANTĂ, V.**, Ștefănoiu, R., Iacobescu, G., Grigoriu C., Nicolae, I., Dragulinescu, D., Viespe, C., Sima, C., Fugaru, V., Manea S.E., Daisa D.D. Automated installation for laser beam welding of radioactive capsules for nuclear medicine and method of use”. Diploma, EUROINVENT, Iași, România, May 24, 2014.
K_{pi5} = 5.
6. Voiculescu, I., Binchiciu, E., **GEANTĂ, V.**, Binchiciu, H., Ștefănoiu, R., Binchiciu, A. Electrode pentru crăitire aer-arc și procedeu de obținere. Diploma de excelență Universitatea Valahia Târgoviște – Centrul de Cercetare Nanomateriale pentru micro sisteme mecanice, PROINVENT, Ediția XIII, Cluj-Napoca, 2015.
K_{pi6} = 5.
7. Voiculescu, I., Binchiciu, E., **GEANTĂ, V.**, Binchiciu, H., Ștefănoiu, R., Binchiciu, A. Air-arc gouging rod and manufacturing process. Awards Materials & Technology for the Future, National Institute of Materials Physics, may 16 2015.
K_{pi7} = 5.
8. **GEANTĂ, V.**, Voiculescu, I., Ștefănoiu, R., Binchiciu, H., Vasile, M.I., Bârlădeanu, M., Ionescu, M., Cărciumăreasa, D., Irimia, M. Diploma de excelență a Universității din Craiova – Filler material for cladding by arc-welding with high toughness and hardness and procedure for obtaining. Craiova, 27 mai 2017.

9. **GEANTĂ, V.** Conceput în România – CONRO 2003. Diploma de excelență. 7-12.10.2003..
 $K_{pi8} = 5.$
 $K_{pi9} = 5.$

A3.3.6. Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenență la organizatii din domeniul educatiei si cercetarii

A3.3.6.1. Internaționale

1. Enciclopedia personalităților din România (Hubner Who is Who) – 2008.
 $K_{pi1} = 5.$
2. Who's Who in the World – 2000, 2001, 2003.
 $K_{pi2} = 5.$
3. New York Academy of Sciences, 1997.
 $K_{pi3} = 5.$
4. AIM - Associazione Italiana di Metallurgia, Italia, 1995.
 $K_{pi4} = 5.$
5. ASM International - The Materials Information Society European Office - Belgia, 1994.
 $K_{pi5} = 5.$
6. The Mineral, Metals and Materials Society (TMS) - USA, 1993.
 $K_{pi6} = 5.$

A3.3.6.2. Naționale

1. Unirom Sider, 2001.
 $K_{pi1} = 2.$
2. Asociația Generală a Inginerilor din România – AGIR, 2000.
 $K_{pi2} = 2.$
3. Societatea Română de Metalurgie - SRM, 1994.
 $K_{pi3} = 2.$
4. Societatea Romana de Biomateriale, 2011.
 $K_{pi4} = 2.$
5. Asociația de Sudură din România, 2012.
 $K_{pi5} = 2.$
6. Catalogul experților – Societatea Academică din România, București, Ediția I – 1997.
 $K_{pi6} = 2.$

TOTAL A3 = 1119,3

**TOTAL GENERAL = (A1 + A2 + A3) =
 (421,23 + 1433,64 + 1119,3) = 2974,17.**