

LISTA DE LUCRĂRI:

I. TEZA DE DOCTORAT (A)

*CONTRIBUȚII LA CERCETAREA COMPOZITELOR IN-SITU Al-Zn-Mg-Cu/TiB₂
PRODUSE PRIN REACTIE ALUMINOTERMICA*

Conducător științific: Prof.dr.ing. Petru MOLDOVAN

II. CARȚI PUBLICATE (B)

Ca – Cărți / cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute.

1. **Dragos Marcu**, Monica Iorga, Antreprenoriat, ISBN 978-606-23-1343-2, București, 228 pag., 2022,,

2. **Dragos Florin MARCU** Monica Iorga, Bogdan FLOREA, Augustin SEMENESCU, Managementul proiectelor, Editura Matrix Rom, , ISBN 978-606-25-0719-0, București, 263 pag., 2022,

3. Augustin SEMENESCU, Adrian IOANA, **Dragos Florin MARCU**, Oana BOGDAN, Legislație Comercială. Teorie și spețe, Editura Matrix Rom, COD CNCSIS 39, ISBN 978-606-25-0123-5, București, 310 pag., 2014,

4. Mihnea COSTOIU, Adrian IOANA, **Dragos Florin MARCU**, Augustin SEMENESCU Analize Economice. Teorie și Aplicații, Editura Matrix Rom, COD CNCSIS 39, ISBN 978-606-25-0155-6, București, 195 pag., 2015,

5. Mihnea COSTOIU, Augustin SEMENESCU, Adrian IOANA, **Dragos Florin MARCU**, Catalin BARBU Analize Economico-Financiare- Teorie si Aplicatii, Editura Matrix Rom, COD CNCSIS 39,ISBN 978-606-25-0196-9, București, 179 pag., 2015,

6. Mihnea COSTOIU, **Dragos Florin MARCU**, Augustin SEMENESCU, Adrian, IOANA, Mariana CIURDAȘ, Doctrine Economice-Teorie și teste grilă, Editura Matrix Rom, COD CNCSIS 39, ISBN 978-606-25-0122-8, București, 326 pag., 2014,

7. Adrian IOANA, Augustin SEMENESCU, **Dragos Florin MARCU**, Alexandru GHIBAN, Alina Nicoleta COLAN, Managementul Calității. Teorie și Aplicații. Editura Matrix Rom, COD CNCSIS 39, București, ISBN 978-973-755-894-7, 318 pag, 2013,

8. Ioana, A., Semenescu, A., **Marcu, D.**, Bazele Mananagementului. Teorie și Aplicații, Editura Matrix Rom, COD CNCSIS 39, București, ISBN 978-973-755-761-2, 251 pg, București, 2011,

9. F. Niculescu, **D. Marcu**, M. Buzatu, Managementul deseurilor generate de industria medicala, Ed. Politehnica Press, ISBN 978-606-515-675-3, Bucuresti, 2016,

10. A. Semenescu(coordonator), O.R.Chivu, A. Ioana, M.C.Costoiu, **D.F. Marcu**, C.A. Barbu Statistica in Inginerie si Economie-, Ed. Politehnica Press, 2018, 233 pag. ISBN 978-606-515-796-5,

11. B. Florea, Gh. Florea, N. Constantin, C. Dobrescu, **D. Marcu**, Oteluri Turnate in Piese, Editura Printech, ISBN 978-606-23-11605-5, 235 pg, Bucuresti 2020,

12. B. Florea, A. Ioana, A. Semenescu, **D. Marcu**, C.I. Chiva, Elemente De Robotica Utilizate in Industria Materialelor Metalice, Editura Matrix Rom, ISBN 978-606-23-11605-5, 127 pg, Bucuresti 2020.

III. ALTE MATERIALE PUBLICATE (B)

1. **Dragos Florin MARCU**, Adian IOANA, Augustin SEMENESCU, Ionut CHIVA, Ileana MATEȘ, Alina, MANOLESCU, Dana JUGANARU, Roxana ȘOLEA, Managementul Producției Materialelor Metalice, COD CNCSIS 39, ISBN 978-606-25-0608-7, București, 130 pag., 2020

2. **Marcu, D.**, Semenescu, A., Ioana A., Marketing –Teorie si Aplicatii., Editura Matrix Rom, COD CNCSIS 39, ISBN 978-606-25-0115-0, București, 310 pag., 2014.

3. Semenescu, A., Ioana, A., **Marcu, D.**, Marketing – Teorie și Aplicații, Editura Matrix Rom, COD CNCSIS 39, ISBN 978-606-25-0115-0, București, 157 pag., 2014.

4. Ciurdas, M. **Marcu, D**, Markerting aplicatii, Editura Printech, București, ISBN 978-606-23-0396-9, 91 pg, București, 2015.A

5. Adrian IOANA, Augustin SEMENESCU, Cezar Florin PREDA, **Dragos Florin MARCU**, Oana BOGDAN, Legislația Muncii. Teorie și Aplicații, Editura Matrix Rom, COD CNCSIS 39, București, ISBN 978-973-755-798-8, 361 pg, București, 2012.

6. Adrian Ioana, Augustin Semenescu, Cezar Florin Preda, **Dragos Florin Marcu**, Bazele Mananagementului. Teorie și Aplicații, Ediția a II-a revizuită și îmbunătățită, Editura Matrix Rom, COD CNCSIS 39, București, ISBN 978-973-755-761-2, 342 pg, București, 2012.

7. Semenescu, A., Ioana, A. (coordonator), Preda, **C.F., Marcu, D.**, Legislația Mediului. Teorie și Aplicații, Editura Matrix Rom, București, ISBN 978-973-755-774-2, 321 pg, București, 2012.

IV. ARTICOLE / STUDII ÎN EXTENSO PUBLICATE (C)

Ris:

1. Florea, B, **Marcu, DF (autor corespondent)**, Semenescu, A, Ioana, A, Ciurdas, M, Iacob, G, Niculescu, F, Iorga, M, Hristache, *Optimizing the combustible consumption using the iot concept for foundry furnaces*, University Politehnica of Bucharest Scientific Bulletin Series

B-Chemistry And Materials Science, Volume 85, Issue 3, Page 147-154, published: 2023
WOS: 001052966300013, ISSN: 1330-3651 7 pagini

2. Constantin, N, Rucai, V, Florea, B, Dobrescu, C, **Marcu, DF**, *Experimental Research for Operating Thermal Electric Plant Ash in Coating Powder Production Used in the Continuous Steel Casting Lines*, TEHNICKI VJESNIK-TECHNICAL GAZETTE, Volume 29, Issue 1, Page 121-12, Published: 2022 **WOS: 000739663500017**, ISSN: 1330-3651 7 pagini
3. Ciurdas, M., Cotrut, C. M., Constantin, N., **Marcu, D. F.**, Neculescu, D. A., *Electrochemical Treatment of the Aluminum Surface by Eloxation* University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science, Volume 84, Issue 1, Page 207-216, Published: 2022 **WOS: 000813376200016** ISSN: 1454-2331 10 pagini
4. Florea, B., Paunescu, L., Ioana, A., **Marcu, D. F.**, Tufeanu D., *Flat Glass Waste Expanded with Silicon Carbide and Fly Ash in Microwave Field*, University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science, Volume 84, Issue 1, Page 73-84 Published: 2022 **WOS: 000813376200021** ISSN: 1454-2331 12 pagini – **autor corespondent**
5. Niculescu, E; Iacob, G.; Niculescu, F; Pencea, I.; Buzatu, M; Petrescu, MI; **Marcu, DF**; Turcu, RN; Geanta, V; Butu, M. *Experimental Determination of the Activities of Liquid Bi-Sn Alloys*, JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION Volume: 42 Issue: 2 Published: 2021, Pages: 278-289 **WOS: 000639616800001** ISSN: 1547-7037, 12 pagini Impact factor 1.30 zona galbena
6. Butu, M., Ogica, C., **Marcu, D. F.**, Stancel, C.D., Niculescu, F., Dragut, V.D., *Obtaining of Aa6063/Vb2 Composites Produced by Aluminothermic Reaction* University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science, Volume 83, Issue 2, Page 209-220, Published: 2021 **WOS: 000661663200020** ISSN: 1454-2331 12 pagini
7. Constantin, N., Ioana, A., Tufeanu D., Paunescu, L., **Marcu, D. F.**, Florea, B., *Separation And Recycling Of Cathode Ray Tube (CRT) Glass Waste By Foaming In Microwave Field*, Revista Romana de Materiale Plastice – Journal of materials, Volume 51, Issue 3, Page 378-385. Published: 2021 **WOS: 000700970100007** ISSN: 1583-3186, 8 pagini
8. Dobrescu, C., Ittu, S., Constantin, N., Florea, B., Rucai, V., **Marcu, DF**; *EXPERIMENTAL RESEARCH FOR TESTING THE BEHAVIOR IN INDUSTRIAL CONDITIONS OF CENOTERM COATING POWDERS USED FOR CONTINUOUS CASTING OF STEEL*, Revista Romana de Materiale Plastice – Journal of materials, Volume 51, Issue 2, Page 291-299. Published: 2021 **WOS: 000657773500018** ISSN: 1583-3186, 9 pagini
9. Florea, B., **Marcu, D. F.**, Semenescu, A., Ioana, A., Butu, M., Niculescu, F., Iacob, G., Solea, R., *The SCADA in the Cloud Concept for Optimizing the Management of Heat Treatment Processes*, University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science, Volume 83, Issue 2, Page 313-322 Published: 2022 **WOS: 000661663200027** ISSN: 1454-2331 10 pagini – **autor corespondent**

10. Niculescu, EL; Buzatu, M; Petrescu, MI; Butu, M; Iacob, G; Niculescu, F; Florea, B; **Marcu, DF**; Stancel, CD; Stanescu, MM *Thermodynamic calculation of the binary systems Bi-Sn by implementing a java interface* University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science, Volume: 83 Issue: 1, Pages: 219-228 Published: 2021 **WOS: 000627764100020** ISSN: 1454-2331 12 pagini
11. Stancel, CD Buzatu, M Ghica, VG; Petrescu, MI , Popescu, G; Niculescu, Iacob, G, **Marcu, DF (Autor corespondent)** *The Pressing-Sintering Process For The Production Of Al/Al₂O₃/Gr Hybrid Composites*, University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science Volume: 82 Issue: 1 Pages: 199-208, Published: 2020, **WOS: 000550837300017** ISSN: 1454-2331 10 pagini
12. Ioana, A., Costoiu, M., Tufeanu, D. Semenescu, A., **Marcu, D.** *Management elements of conception and development of scientific research projects*, Modern Technologies in Industrial Engineering VII (MODTECH2019) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 591 Article Number: 012092 DOI: 10.1088/1757-899X/591/1/012092 Published: 2019 Number: **WOS:000562929900092**, ISSN: 1757-8981 7 pagini
13. **Marcu D.**, Costoiu M., Semenescu A., Ioana A., Tufeanu D., *Quantitative Measurement of the Quality of a Social Economy Project*, 23rd International Conference On Innovative Manufacturing Engineering and Energy (IMANEE 2019) MAY 22-24, 2019, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 564, Article Number: 012095, DOI: 10.1088/1757-899X/564/1/012095, Published: 2019, Document Type: Proceedings Paper, Accession Number: **WOS:000562599900093**, ISSN:1757-8981; 6 pagini
14. Butu, M., Apostol, C., Bud, F., Tache, A., Marcu, D.F., Jeflea, VF., Stancel, CD., Duma, S.T., *Streamlining Technologies For Processing Scraps From Aluminium Alloys*, University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science Volume: 81 Issue: 4 Pages: 237-252 Published: 2019 **WOS: 000501994100022** ISSN: 1454-2331, 16 pagini
15. Buzatu, M., Geanta, V., Stefanoiu, R., Butu, M., Petrescu, M.I., Buzatu, M., Ghica, S.I., Antoniac, I., Iacob, G., Niculescu, F., **Marcu, D.F.**, Moldovan, H., *Mathematical Modeling For Correlation Of The Resistance To Compression With The Parameters Md, Bo And E/A, For The Design Of Titanium Beta Alloys Developed For Medical Applications*, University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science Volume: 81 Issue: 1 Pages: 183-192 Published: 2019 **WOS: 000465035300016**, ISSN: 1454-2331 10 pagini
16. **Marcu, D.**, Semenescu, A., Ioana, A., *Developing Specific Activities For The Metallurgical Industry By Accessing Funds For Social Economy And Human Resources Development*, University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science Volume: 81 Issue: 1 Pages: 217-224, Published: 2019, **WOS:000465035300019** ISSN: 1454-2331 8 pagini
17. **Marcu, D.F.**, Buzatu, M., Ghica, V.G., Petrescu, MI., Popescu, G., Niculescu, F., Iacob, G., *Experimental Characterization of Aluminum-Based Hybrid Composites Obtained Through Powder Metallurgy*, EUROINVENT ICIR 2018 Book Series: IOP Conference Series-

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Published:2018 **WOS: 000446775900036**, ISSN: 1757-8981 9 *pagini*

18. Niculescu, F., Florea, B., Buzatu, M., Ghica, G.V., Petrescu, M.I., Iacob, G., Niculescu, E., **Marcu, D.F.**, Stancel, C.D., *Visual Basic Application For Calculation Of The Superficial Tension Of Solutions In The $\text{CuSO}_4 - \text{H}_2\text{SO}_4 - \text{H}_2\text{O}$ System*, University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science Volume: 80 Issue: 2 Pages: 249-261 Published: 2018 **WOS: 000434271500021** ISSN: 1454-2331 13 *pagini*
19. Costoiu, M., Ioana, A., Semenescu, A., Marcu, D., Polifroni, M., *Management elements for the spatial organization of enterprises from the metallic materials industry*, 22ND INTERNATIONAL CONFERENCE ON INNOVATIVE MANUFACTURING ENGINEERING AND ENERGY - IMANE&E 2018 Book Series: MATEC Web of Conferences Volume: 178 Article Number: 08009 Published: OCT 2018 **WOS: 000570197900120**, ISSN: 2261-236X 6 *pagini*
20. Costoiu, M., Ioana, A., Semenescu, A., **Marcu, D.**, Polifroni, M., *Management possibilities for increasing the electric steel quality* 22ND INTERNATIONAL CONFERENCE ON INNOVATIVE MANUFACTURING ENGINEERING AND ENERGY - IMANE&E 2018 Book Series: MATEC Web of Conferences Volume: 178 Article Number: 08008 Published: OCT 2018 **WOS: 000570197900119**, ISSN: 2261-236X 6 *pagini*
21. Niculescu, F., **Marcu, D.**, Burciu, S., Buzatu, M., Petrescu, I.M., Serban, N., Iacob, G., *Experimental Researches Regarding the Thermodynamic Activities in the Binary Pb-Sb Alloy System*, Journal Of Phase Equilibria And Diffusion Volume: 38 Issue: 5 Pages: 700-706, Published: OCT 2017 impact factor 2017: 1.19, zona galbena **WOS: 000409081100010** ISSN: 1547-7037 8 *pagini*
22. Ioana, A. Semenescu, A., Costoiu, M., **Marcu, D.**, *Elements of the Electric Arc Furnace's Environmental Management*, Recent Advances on Environment, Chemical Engineering and Materials, Book Series: AIP Conference Proceedings, Volume: 1918, Conference: International Conference on Environment, Chemical Engineering and Materials (ECEM) Article Number: UNSP 020010, Braşov, 2017. **WOS: 000426289700003**, ISBN:978-0-7354-1610-9, 6 *pagini*
23. Ioana, A., Semenescu, A., Costoiu, M., **Marcu, D.**, *Elements of the Quality Management in the Materials' Industry*, Recent Advances on Environment, Chemical Engineering and Materials, Book Series: AIP Conference Proceedings, Volume: 1918, Braşov, 2017. Conference: International Conference on Environment, Chemical Engineering and Materials (ECEM) Article Number: UNSP 020003, DOI: 10.1063/1.5018498, **WOS: 000426289700010**, ISBN:978-0-7354-1610-9, ISSN: 0094-243X, 6 *pagini*
24. Ioana, A., Semenescu, A., Costoiu, M., **Marcu, D.**, *Application possibilities of fuzzy networks concept in metallurgical industry*, 21st Innovative Manufacturing Engineering & Energy International Conference - IMANE&E 2017 Book Series: MATEC Web of Conferences Volume: 112 Article Number: 04019, Published: 2017 **WOS: 000426289700010**, ISSN: 0094-243X, 6 *pagini*

25. Ioana, A., Semenescu, A., Costoiu, M., **Marcu, D.**, *Retail optimization in Romanian metallurgical industry by applying of fuzzy networks concept*, 21st Innovative Manufacturing Engineering & Energy International Conference - IMANE&E 2017 Book Series: MATEC Web of Conferences Volume: 112 Article Number: 04020 DOI: 10.1051/mateconf/201711204020 Published: 2017 **WOS: 000579349600070**, ISSN: 2261-236X, 6 pagini

26. Niculescu, F., Constantin, I., Buzatu, M., **Marcu, D.F.**, Csaki, I., *The Thermodynamic Properties Of The Pb-Sb System*, University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science Volume: 78 Issue: 4 Pages: 215-224 Published: 2016 **WOS: 000417053700022**, ISSN: 1454-2331 10 pagini

27. Niculescu, F., Marcu, D.F., Constantin, I., Heica, I.D.S., *Thermodynamic Measures Calculation For Pb - Sb Binary Alloy System Using Redlich-Kister Theoretical Model*, University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science Volume: 78 Issue: 2 Pages: 239-245 Published: 2016. **WOS:000417052900024**, ISSN: 1454-2331. 7 pagini

28. Costoiu, M., Ioana, A., Semenescu, A., **Marcu, D.**, *EAF Management Optimization*, ISI Proceedings of „20th Innovative Manufacturing Engineering and Energy Conference (ImanEE 2016)”, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 161, Publisher IOP Publishing Ltd, Dirac House, Temple Back, Bristol BS1 6BE, ENGLAND, DOI: 10.1088/1757-899X/161/1/012104, IDS Number: BG7AM, Kallithea, GREECE, 23-25.09, Pag.012104, 2016. **WOS: 000391131300103**, ISSN: 1757-8981, 7 pagini

29. Costoiu, M., Ioana, A., Semenescu, A., **Marcu, D.**, *Marketing Management Elements*, ISI Proceedings of „20th Innovative Manufacturing Engineering and Energy Conference (ImanEE 2016)”, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 161, Article Number: UNSP 012104, DOI: 10.1088/1757-899X/161/1/012105, IDS Number: BG7AM, Kallithea, GREECE, 23-25.09, Pag. 012105, 2016. **WOS:000391131300104**, ISSN: 1757-8981, 7 pagini

30. Ioana, A., Semenescu, A., Costoiu, M., **Marcu, D.**, Pollifroni, M., *Management Elements of Economic Crisis in Romania and Europe*, BASIQ 2015 International Conference: New Trends In Sustainable Business And Consumption, IDS Number: BK2IL, Pages: 292-297, București, 2015. Book Series: Proceedings of BASIQ, **WOS: 000432877200035**, ISSN: 2457-483X,

31. Ioana, A., Semenescu, A., Costoiu, M., **Marcu, D.**, Pollifroni, M., *Management Elements Of Eco-Economy Field*, Management - The Key Driver For Creating Value Book Series: International Conference of Management and Industrial Engineering. Pages: 496-501 Published: 2015 **WOS: 000448633100049**, ISSN: 2344-0937, 6 pagini

32. Ioana, A., Semenescu, A., Costoiu, M., **Marcu, D.**, Pollifroni, M., *Change Management in The Context of Globalization*, Management - The Key Driver For Creating Value Book Series: International Conference of Management and Industrial Engineering. Pages: 496-501 Published: 2015 **WOS: 000448633100050**, ISSN: 2344-0937, 6 pagini

33. Necsulescu, A.D., Necsulescu, A.D., Marcu, D., *Metallurgical Industry - Between Economical Crisis and Unfair Competition*, Management in the Worldwide Contemporary Challenges Pages: 369-376 Published: 2009 **WOS: 000325050600048**, ISBN: 978-973-748-468-0, 6 pagini

V. BREVETE DE INVENȚIE / INOVAȚII (B, A)

VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P, F)

VII. COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

Data,
02.09.2024

Semnătura,
Conf. dr. ec. Dragos Florin Marcu