

LISTA DE LUCRĂRI ȘTIINȚIFICE PUBLICATE

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Universitatea Nationala de Stiinta si Tehnologie POLITEHNICA din București

Facultatea Știința și Ingineria Materialelor

Departamentul Știința Materialelor Metalice, Metalurgie Fizică

A. TEZE DE DOCTORAT

A1. Marius Vasilescu, STUDII ȘI CERCETĂRI EXPERIMENTALE ASUPRA UNOR ALIAJE UȘOARE PE BAZĂ DE ALUMINIU PENTRU CONSTRUCȚII AEROSPAȚIALE, (377 pg.), Conducător Prof.Dr.Ing. Constantin Dumitrescu, 01-07-1999, U.P.B.

B. ARTICOLE

Ba. Articole publicate în ultimii 10 ani în Reviste de Specialitate indexate ISI

- Ba.01.** D. Stoia, C. Vigar*, C. Opris, **M. Vasilescu***, PROPERTIES AND MEDICAL APPLICATIONS OF BIOCOMPATIBLE POLYAMIDE IN ADDITIVE MANUFACTURING, **MATERIALE PLASTICE**, ISSN: 0025-5289, INDEXED by Elsevier, SCOPUS and ISI Web of Science, Volume: 58 Issue: 1 Pages: 113-120 Published: 2021, DOI: 10.37358/MP.21.1.5451, **WOS: 000662226600001**.
- Ba.02.** G. Ionescu, C. Tanase, **M. Vasilescu**, R. Zamfir, RESEARCH RELATED TO RETAINED AUSTENITE ON RAIL AND WINDMILL BEARINGS, **UPB Scientific Bulletin**, Series B: Chemistry and Materials Science, ISSN 1454-2331, INDEXED by Elsevier, SCOPUS and ISI Web of Science, Volume 83, Issue 2, Pages 191–200, Published 2021, **WOS: 000661663200018**.
- Ba.03.** D. Alexandrescu, M. Vasilescu, C. Sfat, D. Tarabas, D. Gheorghita, I. Antoniac, R. Ciocoiu, A STUDY ON 3D PRINTED COMPONENT'S SURFACE MADE OF PLA WITH SILVER PARTICLES, **UPB Scientific Bulletin**, Series B: Chemistry and Materials Science, ISSN 1454-2331, INDEXED by Elsevier, SCOPUS and ISI Web of Science, Volume 83, Issue 2, Pages 303–312, Published 2021, **WOS: 000661663200026**.
- Ba.04.** O. Chirca, C. Biclesanu, A. Florescu, I. Stoia, M. Pangica, A. Burcea, **M. Vasilescu***, I. Antoniac, ADHESIVE-CERAMIC INTERFACE BEHAVIOR IN DENTAL RESTORATIONS. FEM STUDY AND SEM INVESTIGATION, **MATERIALS**, ISSN 19961944, Volume 14, Issue 17, 5048. Published 2021, DOI: 10.3390/ma14175048, **WOS: 000694396800001**.
- Ba.05.** V. Manescu, G. Paltanea, I. Antoniac, **M. Vasilescu**, MAGNETIC NANOPARTICLES USED IN ONCOLOGY, **MATERIALS**, ISSN 19961944, Volume 14, Issue 20, 5948. Published 2021, DOI: 10.3390/ma14205948, **WOS: 000716317000001**.
- Ba.06.** E. Ungureanu, I. Ionescu, R. Zamfir-Andronic, **M. Vasilescu**, C. Milea, M. Dobrescu, D. Vranceanu, C. Cotrut, Biofunctionalization of Ti6Al4V surface with ag modified hap coatings via electrochemical deposition **UPB Scientific Bulletin**, Series B: Chemistry and Materials Science, ISSN 14542331, 2020, Volume 82, Issue 4, Pages 307–324, Published 2020, **WOS:000610101300026**.

- Ba.07. A. Mocanu, M. Miculescu, R. Ciocoiu, T. Butte, A. Bită, C. Milea, A. Antoniac, **M. Vasilescu**, O. Trante, C. Pop, L. Ciocan, Comparative framework of calcium phosphates-based products derived from sustainable marine and terrestrial resources for biomedical applications, **Studia Universitatis Babes-Bolyai Chemia**, ISSN 1224-7154, Volume 65, Issue 4, Pages 73-84, Published 2020, DOI: 10.24193/subbchem.2020.4.06, WOS:000601368800006.
- Ba.08. S. Gradinaru, D. Tarabas, D.Gheorghe, D. Gheorghita, R. Zamfir, **M. Vasilescu**, M. Dobrescu, G. Grigorescu, I. Cristescu, ANALYSIS OF THE ANISOTROPY FOR 3D PRINTED PLA PARTS USABLE IN MEDICINE, **UPB Scientific Bulletin, Series B Chemistry and Materials Science**, ISSN: 1454-2331, INDEXED by Elsevier, SCOPUS and ISI Web of Science, Volume: 81 Issue: 4, Pages: 313-324, Published: 2019, WOS: 000501994100029, ISI.
- Ba.09. H. Moldovan, E. Ploeanu, D. Gheorghe, **M. Vasilescu**, M. Dobrescu, C. Milea, K. Earar, D. Gheorghita, CONTRIBUTIONS ON BIODEGRABILITY PERSPECTIVE OF Mg-Ca ALLOYS FOR ORTHOPEDIC IMPLANTS, **UPB Scientific Bulletin, Series B Chemistry and Materials Science**, ISSN: 1454-2331, INDEXED by Elsevier, SCOPUS and ISI Web of Science, Volume: 80 Issue: 4, Pages: 229-246, Published: 2018, DOI: 10.1007/s11665-015-1751-3, WOS: 000454986600019, ISI.
- Ba.10. A.C. Durbaca, R. Iatan, I. Durbaca, A. Dinita, **M. Vasilescu**, EXPERIMENTAL RESEARCH ON THE TRIANGULAR LATTICE TYPE POLYMER BASED COMPOSITES STRUCTURES FOR SANDWICH PANELS CONSTRUCTION, **MATERIALE PLASTICE**, ISSN: 0025-5289, INDEXED by Elsevier, SCOPUS and ISI Web of Science, Volume: 54 Issue: 4, Pages: 639-644, Published: 2017, WOS: 000426412500009, ISI, FI=1,393.
- Ba.11. **M. Vasilescu**, I. Vasilescu, *The corrosion behavior using gravimetric method and pitting of some Al-Cu-Mg superalloys*, **Metalurgia International**, ISSN 1582-2214, 2013, cotata ISI, indexata in Thompson Scientific Master Journal List, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS, Volume: XVIII (2013), Special Issue no. 6, Pages: 131-135, Published: 2013, WOS:000315835600028, ISI, FI=0,134.
- Ba.12. M. Dobrescu, **M. Vasilescu**, *Rapidly solidified aluminium and titanium alloys*, **Metalurgia International**, ISSN 1582-2214, 2013, cotata ISI, indexata in Thompson Scientific Master Journal List, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS, Volume: XVIII (2013), Special Issue no. 6, Pages: 136-138, Published: 2013, WOS: 000315835600029, ISI, FI=0,134.
- Ba.13. **M. Vasilescu**, B. Florea, *Aspects of low cost and environmental protection on aluminium and titanium investment castings*, **Metalurgia Internațional**, ISSN 1582-2214, 2012, cotata ISI, indexata in Thompson Scientific Master Journal List, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS, Volume: XVII (2012), Issue: 10, Pages: 92-96, Published: 2012, WOS:000307370200016, ISI, FI = 0,134.

- Ba.14.V. Manescu, G. Paltanea, A. Antoniac, L. Grunoiu, A. Robu, **M. Vasilescu**, S. Laptoiu, A. Bitu, G. Popa, A. Cocosila, V. Silviu, A. Porumb, MECHANICAL AND COMPUTATIONAL FLUID DYNAMIC MODELS FOR MAGNESIUM-BASED IMPLANTS, **MATERIALS**, ISSN 19961944, Volume 17, Issue 4, 830. Published 2024, DOI: 10.3390/ma17040830, Accession Number: MEDLINE:38399081, **WOS**: 001172420600001, <https://www.mdpi.com/19961944/17/4/830>, <https://doi.org/10.3390/ma17040830>, FI=3,4 .
- Ba.15. C.I. Tatia, M.M. Iancu, A. Antoniac, A. Necsulescu, A. Robu, **M. Vasilescu**, I. Corneschi, A.M. Fratila, COMPARATIVE ANALYSIS OF THE SURFACE PROPERTIES OF DIFFERENT DENTAL IMPLANTS, **UPB Scientific Bulletin**, Series B: Chemistry and Materials Science, Volume 2024, Issue 4, pp. 245–256, Published 2024, ISSN 14542331, **WOS**: 001380943500018, FI = 0,3 (2023).

Bb. Articole publicate în ultimii 10 ani în Reviste de Specialitate indexate BDI

- Bb.01. **M. Vasilescu**, I. Antoniac, D.I. Stoia, D. Laptoiu, A. Stoia, C. Vigar, S. Gradinaru, *USING STAINLESS STEEL AND TITANIUM ALLOY IN CHARCOT FOOT RECONSTRUCTION. FEA SIMULATION AND CLINICAL CASE*, **Revista de Chimie**, ISSN 0034-7752, 2020, cotata ISI, indexata de ISI si Chemistry Citation Index, Volume: 71 (2020), Issue: 1, Pages: 235-247, Published: 2020, **DOI: 10.37358/RC.20.4.8062**, FI = 1,605.
- Bb.02. **M. Vasilescu**, M. Dobrescu, G. Grigorescu, R. Zamfir, R. Dumitrescu, C. Sfat, STUDIES AND EXPERIMENTAL RESEARCH REGARDING THE VARIATION OF MECHANICAL PROPERTIES ON THE ANNEALING TEMPERATURE OF 13CrMo4-5 STEEL QUENCHED PIPES USED FOR BOILERS, **ROMAT** 2020, 6 pagini.
- Bb.03. **M. Vasilescu**, M. Dobrescu, *FATIGUE PROPERTIES MODIFICATION ON HEATING OF SHAPE MEMORY NI-TI ALLOYS*, **Proceedings of 19th International Multidisciplinary Scientific GeoConference SGEM 2019**, Albena, Bulgaria, ISSN: 1314-2704, INDEXED by Elsevier, SCOPUS and ISI Web of Science, ISI, Volume: 19 Issue: 6.2, Pages: 139-146 Published: 2019, **DOI: 10.5593/SGEM2019/6.2/S26.018**, Articles in press, FI=0,104.
- Bb.04. C. Dobrescu, **M. Vasilescu**, HEMATITE. PROCESSING AND APPLICATIONS, **THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI FASCICLE IX. METALLURGY AND MATERIALS**, No 1–2019, ISSN 2668-4748, e-ISSN 2668-4756, pg. 19-24, GALATI UNIVERSITY PRESS, revista B+, revista indexata BDI (CAMBRIDGE SCIENTIFIC ABSTRACT), **DOI: 10.35219/mms.2019.1.03**.
- Bb.05. **M. Vasilescu**, C. Dobrescu, CHROMITE. PROCESSING AND APPLICATIONS, **THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI FASCICLE IX. METALLURGY AND MATERIALS SCIENCE**, No 1–2019, ISSN 2668-4748, e-ISSN 2668-4756, pg. 12-18, GALATI UNIVERSITY PRESS, revista B+, revista indexata BDI (CAMBRIDGE SCIENTIFIC ABSTRACT), **DOI: 10.35219/mms.2019.1.02**.

- Bb.06. M. Vasilescu, C. Dobrescu, THE IMPORTANCE OF NITROGEN IN THE HEAT TREATING OF FERROUS AND NON-FERROUS METALS AND ALLOYS, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI FASCICLE IX. METALLURGY AND MATERIALS SCIENCE, No 1–2019, ISSN 2668-4748, e-ISSN 2668-4756, pg. 31-35, GALATI UNIVERSITY PRESS, revista B+, revista indexata BDI (CAMBRIDGE SCIENTIFIC ABSTRACT), DOI: 10.35219/mms.2019.1.05.**
- Bb.07. M. Vasilescu, M. Dobrescu, RECUPERAREA ALUMINIULUI DIN DEȘEURI MENAJERE, SUPLIMENTUL BULETINULUI AGIR Septembrie 2018, Pg.14-18, Ed. AGIR, București, 2018, revista indexata BDI (INDEX COPERNICUS INTERNATIONAL, ACADEMIC KEYS, getCITED), www.buletinulagir.agir.ro, recunoscuta CNCSIS B+, ISSN 1224-7928, Online: ISSN 2247-3548.**
- Bb.08. M. Vasilescu, M. Dobrescu, DEZVOLTAREA ORASULUI UTILIZAND ECO-PRODUSE CU IMPACT POZITIV ASUPRA MEDIULUI, Suplimentul Buletinului AGIR Nr.3/2017, Ed. AGIR, București, 2017, ISSN: 1224-7928, Online: ISSN 2247-3548, pp. 14-18, revista indexata BDI (INDEX COPERNICUS INTERNATIONAL, ACADEMIC KEYS, getCITED), www.buletinulagir.agir.ro, recunoscuta CNCSIS B+.**
- Bb.09. M. Dobrescu, M. Vasilescu, ECO-MATERIALE INTR-UN ORAS FARA POLUARE, Suplimentul Buletinului AGIR Nr.3/2017, Ed. AGIR, București, 2017, ISSN: 1224-7928, Online: ISSN 2247-3548, pp. 19-23, revista indexata BDI (INDEX COPERNICUS INTERNATIONAL, ACADEMIC KEYS, getCITED), www.buletinulagir.agir.ro, recunoscuta CNCSIS B+.**
- Bb.10. M. Vasilescu, M. Dobrescu, PROPERTY MODIFICATIONS IN NI-TI SHAPE MEMORY ALLOYS, KEY ENGINEERING MATERIALS – Materials Research and Application II, (Proceeding ROMAT 2016), ISSN: 1013-9826, INDEXED by Elsevier, SCOPUS and ISI Web of Science, Volume: 750, Pages: 148-152, Published: 2017, doi: 10.4028/www.scientific.net/KEM.750.148, revista indexata BDI.**
- Bb.11. M. Vasilescu, M. Dobrescu, ADVANTAGES AND DISADVANTAGES OF CHEMICAL ELEMENTS CONTAIN ON THE PROPERTIES OF TITANIUM ALLOYS, – ADEM Book of Abstracts 2016 (4th International Conference ADVANCES IN ENGINEERING & MANAGEMENT), University of Craiova, Faculty of Mechanics, November 17-18, 2016, Drobeta Turnu-Severin, revista indexata BDI, www.imst.ro/adem/, recunoscuta CNCSIS B+.**
- Bb.12. M. Vasilescu, M. Dobrescu, PROPERTY MODIFICATIONS IN NI-TI SHAPE MEMORY ALLOYS, KEY ENGINEERING MATERIALS – Materials Research and Application II, (Proceeding ROMAT 2016), ISSN: 1013-9826, INDEXED by Elsevier, SCOPUS and ISI Web of Science, Volume: 750, Pages: 148-152, Published: 2017, doi: 10.4028/www.scientific.net/KEM.750.148, revista indexata BDI.**
- Bb.13. M. Vasilescu, M. Dobrescu, EDUCAȚIA PREVENIRII POLUĂRII NUCLEARE O STRINGENTĂ PROBLEMĂ ECOLOGICĂ, Buletinul AGIR, Ed. AGIR, București, 2015, revista indexata BDI (INDEX COPERNICUS INTERNATIONAL, ACADEMIC KEYS, getCITED), www.buletinulagir.agir.ro, recunoscuta CNCSIS B+, ISSN: 1224-7928, Online: ISSN 2247-3548.**

- Bb.14. M. Vasilescu, M. Dobrescu, EDUCATIA ECOLOGICA, IDEOLOGIE (POLITICA) SAU RELIGIE A APOCALIPSEI, Buletinul AGIR, Ed. AGIR, București, 2015, revista indexata BDI (INDEX COPERNICUS INTERNATIONAL, ACADEMIC KEYS, getCITED), www.buletinulagir.agir.ro, recunoscuta CNCIS B+, ISSN: 1224-7928, Online: ISSN 2247-3548.**
- Bb.15. M. Vasilescu, M. Dobrescu, INCREASING FATIGUE LIFE OF TITANIUM ALLOYS FOR AIRCRAFTS, Conference Abstract Book EUROINVENT 2015 ICIR (International Conference on Innovative Research), Ed. Pim, Iasi, 2015, pp. 18, revista indexata BDI, www.euroinvent.org/conference, recunoscuta CNCIS B+, ISBN: 978-606-13-2467-5.**
- Bb.16. M. Vasilescu, M. Dobrescu, PROCESSING AND SUPERELASTICITY OF NI- TI SHAPE MEMORY ALLOYS, Conference Abstract Book EUROINVENT 2015 ICIR (International Conference on Innovative Research), Ed. Pim, Iasi, 2015, pp. 42, revista indexata BDI, www.euroinvent.org/conference, recunoscuta CNCIS B+, ISBN: 978-606-13-2467-5.**
- Bb.17. M. Vasilescu, M. Dobrescu, THE EFFECT OF NITROGEN, OXYGEN AND CARBON ON THE STRUCTURE AND PROPERTIES OF TITANIUM BASED ALLOYS, 47th International October Conference on Mining and Metallurgy (IOC 2015) PROCEEDINGS, Bor, Serbia, 04-06 Octombrie, 2015, pp. 167-170, ISBN 978-86-7827-047-5, revista indexata BDI.**
- Bb.18. M. Dobrescu, M. Vasilescu, *Processing and Superelasticity of Ni- Ti Shape Memory Alloys*, KEY ENGINEERING MATERIALS – Innovative Materials and Engineering Research, (Proceeding EUROINVENT 2015 ICIR -International Conference on Innovative Research), ISSN 1662-9795, INDEXED by Elsevier, SCOPUS, Volume: 660, Pages: 103-107, Published: 2015, doi:10.4028/www.scientific.net/KEM.660.103, revista indexata BDI.**
- Bb.19. M. Vasilescu, M. Dobrescu, *Hardfacing alloys wear and corrosion resistant materials*, ADVANCED MATERIALS RESEARCH (AMR) Vol 1114 (2015)- Materials Research and Application, Trans Tech Publications (TTP), Switzerland, ISSN 1662-8958, indexata SCOPUS, EI COMPENDEX, Volume: 1114, Pages: 196-205, Published: 2015, doi:10.4028/www.scientific.net/AMR.1114.196, revista indexata BDI.**
- Bb.20. M. Dobrescu, M. Vasilescu, *Reinforcing bar corrosion for buildings construction*, ADVANCED MATERIALS RESEARCH (AMR) Vol 1114 (2015)- Materials Research and Application, Trans Tech Publications (TTP), Switzerland, ISSN 1662-8958, indexata SCOPUS, EI COMPENDEX, Volume: 1114, Pages: 219-223, Published: 2015, doi:10.4028/www.scientific.net/AMR.1114.219, revista indexata BDI.**
- Bb.21. B. Florea, M. Vasilescu, C. Dobrescu, V. Mirea, *Modernization of easily fusible injected models process*, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI FASCICLE IX. METALLURGY AND MATERIALS SCIENCE SPECIAL ISSUE-2014, ISSN 1453 – 083X, pg. 105-108, GALATI UNIVERSITY PRESS, revista B+, revista indexata BDI (CAMBRIDGE SCIENTIFIC ABSTRACT).**
- Bb.22. M. Dobrescu, M. Vasilescu, *Properties, hot working and applications of Cu-Ag alloys obtained by casting and powder metallurgy*, „The Scientific Bulletin of Valahia UNIVERSITY - MATERIALS and MECHANICS” - SBMM Nr.9 (Year 12) / 2014, pg. 41-42, ISSN 1844-1076, revista indexata BDI (INDEX COPERNICUS INTERNATIONAL).**

- Bb.23.** M. Vasilescu, M. Dobrescu, *Consideration on some shape memory alloys from Cu-Zn-Al and Ni-Ti systems and their applications*, „The Scientific Bulletin of Valahia UNIVERSITY - MATERIALS and MECHANICS” - SBMM Nr.9 (Year 12) / 2014, pg. 49-52, ISSN 1844-1076, revista indexata BDI (INDEX COPERNICUS INTERNATIONAL).
- Bb.24.** M. Vasilescu, M. Dobrescu, *Ways of managing wastes and by-product*, 9th SRTOR 2014 PROCEEDINGS, 10-12 Septembrie 2014, Zajecar, Serbia, pp. 16-20, ISBN 978-86-80987-86-6, revista indexata BDI.
- Bb.25.** M. Dobrescu, M. Vasilescu, *Superelasticity mechanisms and mechanical aspects of Ni-Ti biomaterials*, 9th SRTOR 2014 PROCEEDINGS, 10-12 Septembrie 2014, Zajecar, Serbia, pp. 35-39, ISBN 978-86-80987-86-6, revista indexata BDI.
- Bb.26.** M. Vasilescu, M. Dobrescu, *On either metallic or semiconducting nanotubes*, 46th International October Conference on Mining and Metallurgy (IOC 2014) PROCEEDINGS, Bor, Serbia, 01-04 Octombrie, 2014, pp. 46-49, ISBN 978-86-6305-012-9, revista indexata BDI.
- Bb.27.** M. Dobrescu, M. Vasilescu, *Studies on super elasticity of Ni- Ti alloys*, 46th International October Conference on Mining and Metallurgy (IOC 2014) PROCEEDINGS, Bor, Serbia, 01-04 Octombrie, 2014, pp. 50-54, ISBN 978-86-6305-012-9, revista indexata BDI.
- Bb.28.** M. Vasilescu, M. Dobrescu, *Motivation in educational management*, 3th International Conference "Modernity and competitiveness in Education", Bucharest, 31 May 2014, UPB, **Book of Abstracts**, ISSN 2248-230x - **CD extended papers**, pg. 32-33, 2014, revista indexata BDI.
- Bb.29.** M. Dobrescu, M. Vasilescu, *Communicative competence in a society of individualism*, 3th International Conference "Modernity and competitiveness in Education", Bucharest, 31 May 2014, UPB, **Book of Abstracts**, ISSN 2248-230x - **CD extended papers**, pg.12-13, 2014, revista indexata BDI.
- Bb.30.** M. Dobrescu, M. Vasilescu, *Despre competente comunicative*, **Volumul Conferintei de Didactica**, Universitatea Pitesti, 2014, revista indexata BDI.
- Bb.31.** M. Vasilescu, M. Dobrescu, *Studies on obtaining rapidly solidified aluminium alloys*, Romanian Review Precision Mechanics Optics & Mecatronics, no. 43/2013, ISSN 1584-5982, revista indexata BDI.
- Bb.32.** M. Dobrescu, M. Vasilescu, I. Vasilescu, *The influence of metallic biomaterials on human health*, Romanian Review Precision Mechanics Optics & Mecatronics, no. 43/2013, ISSN 1584-5982, revista indexata BDI.
- Bb.33.** M. Dobrescu, M. Vasilescu, *Oferta educațională în domeniul ingineresc corelată cu integrarea europeană a României*, Buletinul AGIR Nr. 1 (ian.-mar. 2013) - Educație și Inginerie, Ed. AGIR, București, 2013, p. 42-44, ISSN: 1224-7928, revista indexata BDI.
- Bb.34.** M. Vasilescu, M. Dobrescu, *Techniques in failure analysis of fracture*, **Proceedings of 45th International October Conference on Mining and Metallurgy (IOC 2013)**, Bor, Serbia, 16-19 Octombrie, 2013, pg. 361-364, ISBN 978-86-6305-012-9, revista indexata BDI.

- Bb.35.** M. Vasilescu, I. Vasilescu, M. Dobrescu, *Corrosion behaviour of some Al-Cu-Mg superalloys*, Proceedings of XV Balcan Mineral Processing Congress, Sozopol, Bulgaria, 12-16 iun. 2013, vol. I, pg. 105-108, ISBN 978-954-353-217-9, revista indexata BDI.
- Bb.36.** M. Dobrescu, M. Vasilescu, *An amazing and environmental friendly material: aerogel. Properties and applications*, **45th International October Conference on Mining and Metallurgy (IOC 2013) Proceedings**, Bor, Serbia, 16-19 Octombrie, 2013, pg. 53-56, ISBN 978-86-6305-012-9, revista indexata BDI.
- Bb.37.** M. Dobrescu, M. Vasilescu, *Aerogels for aerospace*, **Proceedings of XV Balcan Mineral Processing Congress**, Sozopol, Bulgaria, 12-16 iun. 2013, vol. II Pg. 1103-1104, ISBN 978-954-353-217-9, 2013, revista indexata BDI.
- Bb.38.** Ghe. Florea, B. Florea, A. Stanescu, M. Vasilescu, *The control simulation of the corrosion protection process by electrical deposition*, *Metalurgia* (64), nr. 5, 2012, ISSN 0461-9579, pp. 10-14, indexata in: SCOPUS.
- Bb.39.** M. Dobrescu, M. Vasilescu, I. Vasilescu, *Studies on titanium investment castings for aerospace a technology with a minimum environmental pollution*, **SRTOR 2012 Proceeding**, Serbia, 5-7 Septembrie 2012, Soko Banja, pg. 37-40, ISBN 978-86-80987-86-6, 2012, revista indexata BDI.
- Bb.40.** M. Vasilescu, M. Dobrescu, *Aluminium and titanium - investment castings - alloys manufacturing and applications*, a VI - a editie a Conferintei internationale **UGALMAT-ARTCAST 2012 Proceeding**, 18-19 Mai 2012, GALATI, 2012, Analele Universitatii Galati, Fascicula IX Metallurgy and Materials Science, Vol.2, pg. 16-20, ISSN 1453-083X, Iunie 2012, revista indexata BDI.
- Bb.41.** M. Vasilescu, M. Dobrescu, I. Vasilescu, *Aluminium investment casting, a solution with low cost and environmental protection*, **SRTOR 2012 Proceedings**, Serbia, 5-7 Septembrie 2012, Soko Banja, ISBN 978-86-80987-86-6, 2012, pg. 24-27, revista indexata BDI.
- Bb.42.** M. Dobrescu, S. Dimitriu, M. Vasilescu, *Fatigue life of low cost titanium alloys for aerospace*, 44th International October Conference on Mining and Metallurgy (IOC 2012) Proceeding, Bor, Serbia, 1-3 Octombrie, 2012, pg. 293-296, ISBN 978-86-7827-042-0, 2012, revista indexata BDI.

Bb.nn.

Bc. Articole publicate în Reviste de Specialitate neindexate

Bc.01.

Bc.02.

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Bd. Articole publicate în ultimii 10 ani în Volumele unor Conferințe Științifice Internaționale indexate ISI

- Bd.01.** M. Vasilescu, M. Dobrescu, *EXPERIMENTS OF FATIGUE RESISTANCE OF STAINLESS STEEL REINFORCED BARS*, **Proceedings of 15th International Multidisciplinary**

Scientific GeoConference SGEM 2015, Albena, Bulgaria, INDEXED by Elsevier, SCOPUS and ISI Web of Science, Book: 6 Volume: 2, Pages: 133-140, Published: 2015, **WOS:** 000371602600018, **DOI:** 10.5593/SGEM2015/B62/S26.018, Articles in press, ISI, FI=0,104.

Bd.02. M. Vasilescu, M. Dobrescu, PROPERTIES AND APPLICATIONS OF CU-ZN-AL AND NI-TI-NB SHAPE MEMORY ALLOYS, Proceedings of 15th International Multidisciplinary Scientific GeoConference SGEM 2015, Albena, Bulgaria, INDEXED by Elsevier, SCOPUS and ISI Web of Science, Book: 6 Volume: 2, Pages: 243-250, Published: 2015, **WOS:** 000371602600032, **DOI:** 10.5593/SGEM2015/B62/S26.032, Articles in press, ISI, FI=0,104.

Bd.nn.

Be. Articole publicate în Volumele unor Conferințe Științifice Internaționale indexate BDI

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Bf. Articole publicate în Volumele unor Conferințe Științifice Internaționale neindexate

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Bg. Articole publicate în Volumele unor Conferințe Științifice Naționale

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C. CĂRȚI

Ca. Cărți publicate în ultimii 10 ani în Edituri Naționale cu ISBN și în edituri recunoscute CNCSIS

Ca.01. Marius Vasilescu, Mircea Dobrescu, Știința și Ingineria Materialelor, (132 pg), Editura PRINTECH Bucuresti, 2019, ISBN 978-606-23-1001-1.

Ca.02. Mircea Dobrescu, Marius Vasilescu, Noțiuni de știința și ingineria materialelor, (104 pg), Editura PRINTECH Bucuresti, 2018, ISBN 978-606-23-0884-1.

- Ca.03. Mircea Dobrescu, **Marius Vasilescu**, *Materiale și produse ecologice*, (143 pg), Editura PRINTECH Bucuresti, 2015, ISBN 978-606-23-0366-2.
- Ca.04. Mircea Dobrescu, **Marius Vasilescu**, *Materiale semiconductoare. Note de curs pentru licență*, (108 pg), Editura PRINTECH Bucuresti, 2016, ISBN 978-606-23-0554-3.
- Ca.05. Mircea Dobrescu, **Marius Vasilescu**, *Știința materialelor semiconductoare. Note de curs pentru masterat*, (83 pg), Editura PRINTECH Bucuresti, 2016, ISBN 978-606-23-0555-0.

Ca.nn.

Cb. Cărți publicate în Edituri Internaționale

Cb.01.

Cb.02.

Cb.nn.

Cc. Capitole de cărți

Cc.01.

Cc.02.

Cc.nn.

Cd. Cărți/cursuri pentru uzul studenților

Cd.01.

Cd.02.

Cd.nn.

D. CULEGERI ȘI ÎNDRUMARE

Da. Lucrări publicate în Edituri Naționale cu ISBN

Da.01.

Da.02.

Da.nn.

Db. Lucrări publicate în Edituri Internaționale

Db.01.

Db.02.

Db.nn.

Dc. Lucrări publicate pe plan local în UPB

Dc.01.

Dc.02.

Dc.nn.

F. CONTRACTE DE CERCETARE

**Fa. Contracte Naționale/Internaționale realizate ca Responsabil
/Director de Contract/Program/Proiect**

Fa.01.

Fa.02.

Fa..nn.

**Fb. Contracte Naționale/Internaționale realizate ca Membru al
Echipelor de Cercetare**

Fb.01.

Fb.02.

Fb..nn.

G. ALTE LUCRĂRI ȘI CONTRIBUȚII ȘTIINȚIFICE

Ga.

Gb.

Data: 29.05.2025

Conf. Dr. Ing. VASILESCU Marius

Semnătura