

Anexa 11

LISTA DE LUCRĂRI ȘTIINȚIFICE PUBLICATE

ȘL. Dr. Ing. VASILESCU Marius Lucian

Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea Știința și Ingineria Materialelor

Departamentul Știința Materialelor Metalice, Metalurgie Fizică

SIMBOLIZAREA LUCRĂRILOR ELABORATE

În legătură cu *disciplinele* din postul didactic în cauză, *domeniul asociat și/sau, justificat*, discipline și domenii înrudite cu acestea.

I. TEZA DE DOCTORAT (T)

T1. 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.

II. CĂRȚI PUBLICATE (C)

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

Ca1. Mircea Dobrescu, **Marius Vasilescu**, *Materiale semiconductoare. Note de curs pentru licență*, (108 pg), Editura PRINTECH Bucuresti, 2016, ISBN 978-606-23-0554-3.

Ca2. Mircea Dobrescu, **Marius Vasilescu**, *Știința materialelor semiconductoare. Note de curs pentru masterat*, (83 pg), Editura PRINTECH Bucuresti, 2016, ISBN 978-606-23-0555-0.

Ca3. M. Dobrescu, **Marius Vasilescu**, *Ecomateriale și ecoproduse. Definiții. Noțiuni. Aplicații*, (63 pg.), Editura Științifică F.M.R., București, 2010, ISBN 978-973-8151-52-9.

Ca4. M. Dobrescu, **Marius Vasilescu**, *Selectia resurselor umane in domeniul stiintei materialelor - Note de curs*, (102 pg.), Editura Printech, București, 2005, ISBN 973-718-208-1.

Cb - Cărți de specialitate publicate în edituri recunoscute (autor, coautor, editor).

Cb1. **Marius Vasilescu**, Mircea Dobrescu, *Știința și Ingineria Materialelor*, (132 pg), Editura PRINTECH Bucuresti, 2019, ISBN 978-606-23-1001-1.

Cb2. Mircea Dobrescu, **Marius Vasilescu**, *Noțiuni de știința și ingineria materialelor*, (104 pg), Editura PRINTECH Bucuresti, 2018, ISBN 978-606-23-0884-1.

Cb3. Mircea Dobrescu, **Marius Vasilescu**, *Materiale și produse ecologice*, (143 pg), Editura PRINTECH Bucuresti, 2015, ISBN 978-606-23-0366-2.

Cb4. Mircea Dobrescu, **Marius Vasilescu**, *Știința ecomaterialelor și ecoproduselor*, (120 pg), Editura PRINTECH Bucuresti, 2013, ISBN 978-606-521-978-6.

Cb5. **Marius Vasilescu**, M. Dobrescu, *Tratamente termice aplicate aliajelor pe bază de aluminiu*, (102 pg.), Editura Politehnica Press, București, 2009, ISBN 978-606-515-018-8.

Cb6. **Marius Vasilescu**, Cl. Dumitrescu–Herwartz, I. Vasilescu, *Aliaje pe bază de Al-Li destinate construcțiilor aerospațiale*, (377 pg.), Editura Printech, București, 2005, ISBN 973-718-265-0.

Cb7. M. Dobrescu, C. Dumitrescu, **Marius Vasilescu**, *Titan și aliaje de titan – Modificări de structură și de proprietăți în cursul prelucrărilor termice*, (188 pg.), Editura Printech, București, 2000, ISBN 973-652-250-4.

Cc - Cărți publicate în alte edituri, cu ISBN.

III. ALTE MATERIALE PUBLICATE (I,D)

I - Culegeri și îndrumare publicate (separate în edituri cu ISBN și în tipografiile locale/de instituții sau de uz intern).

II. **Marius Vasilescu**, G.Gherghisor, I. Gherghescu, s.a., *Indrumar de laborator pentru tratamente termice*, (235 pg.), Editura Politehnica Press, București, 2009, ISBN 978-606-515-057-7.

D - Alte lucrări publicate: capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc.

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

Ris - Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate in alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a revistelor pe baza unor criterii de performanta). *Se mentioneaza la fiecare lucrare includerea in Baza ISI [Accession Number, WOS=....., ultimul Factor Impact, ISSN] si/sau denumirea altei (altor) BDI.*

Ris 1 - **M. Vasilescu**, I. Vasilescu, *The corrosion behavior using gravimetric method and pitting of some Al-Cu-Mg superalloys*, **Metalurgia International**, ISSN 1582-2214, 2013, Volume: XVIII (2013), Issue: Special Issue no. 6, Pages: 131-135, Published: 2013, Accession Number: **WOS: 000315835600028**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000315835600028>, FI=0,134 (2012), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.

Ris 2 - M. Dobrescu, **M. Vasilescu**, *Rapidly solidified aluminum and titanium alloys*, **Metalurgia International**, ISSN 1582-2214, 2013, cotata ISI, Volume: XVIII (2013), Issue: Special Issue no. 6, Pages: 136-138, Published: 2013, Accession Number: **WOS: 000315835600029**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000315835600029>, FI=0,134 (2012), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.

Ris 3 - **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, Volume: XVII (2012), Issue: 10, Pages: 92-96, Published: 2012, Accession Number: **WOS:000307370200016**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000307370200016>, FI = 0,134 (2012), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.

Ris 4 - **M. Vasilescu**, M. Dobrescu, *Studies on the structure and properties of some magnetic materials*, **Metalurgia International**, ISSN 1582-2214, 2011, Volume: XVI (2011), Issue: 4, Pages: 31-34, Published: 2011, Accession Number: **WOS:000289186700007**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000289186700007>, FI = 0,084 (2011), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.

Ris 5 - M. Dobrescu, S. Dimitriu, **M. Vasilescu**, *Studies on Ti-Al-Fe low-cost titanium alloys manufacturing, processing and applications*, **Metalurgia International**, ISSN 1582-2214, 2011, Volume: XVI (2011), Issue: 4, Pages: 73-76, Published: 2011, Accession Number: **WOS:000289186700017**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000289186700017>, FI = 0,084 (2011), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.

Ris 6 - **M. Vasilescu**, M. Dobrescu, *Titanium and titanium alloys as biomaterials. Properties, processing and dental applications*, **Metalurgia International**, ISSN 1582-2214, 2010, Volume: XV (2010), Issue: 4, Pages: 69-73, Published: 2010, Accession Number: **WOS:000280440800013**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000280440800013>, FI = 0,134 (2012), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.

Ris 7 - **M. Vasilescu**, *Mechanism of solidification structure refinement of some aluminium based alloys*, **Metalurgia International**, ISSN 1582-2214, 2010, Volume: XV (2010), Issue: 10, Pages: 60-67, Published: 2010, Accession Number: **WOS:000278729300013**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000278729300013>, FI = 0,154 (2010), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.

Ris 8 - **M. Vasilescu**, M. Dobrescu, *Methods of enhancing fatigue resistance of titanium alloys for aerospace*, **Metalurgia International**, ISSN 1582-2214, 2010, Volume: XV (2010), Issue: 10, Pages: 68-71, Published: 2010, Accession Number: **WOS:000278729300014**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000278729300014>, FI = 0,154 (2010), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.

Ris 9 - **M. Vasilescu**, M. Dobrescu, *Hydrogen and oxygen influence in titanium and titanium alloys as both alloying and contamination element*, **Metalurgia International**, ISSN 1582-2214, 2010, Volume: XV (2010), Issue: 8, Pages: 19-23, Published: 2010, Accession Number: **WOS: 000277598900004**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000277598900004>

[record/WOS:000277598900004](#), FI = 0,154 (2010), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.

Ris 10 - M.Vasilescu, G. Alecu, *Progress in manufacturing and characterization MgB₂ superconducting wires*, **Metalurgia International, ISSN 1582-2214, 2010, Volume: XV (2010), Issue: 3, Pages: 9-12, Published: 2010, Accession Number: **WOS:000274149300002**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000274149300002>, FI = 0,154 (2010), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.**

Ris 11 - M.Vasilescu, *Elaboration and casting of some Al-Li based alloys used in aerospace industry*, **Metalurgia International, ISSN 1582-2214, 2009, Volume: XIV (2009), Issue: 8, Pages: 19-22, Published: 2009, Accession Number: **WOS:000269587600005**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000269587600005>, FI = 0,173 (2009), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.**

Ris 12 - S. Dimitriu, M. Dobrescu, M. Vasilescu, *Titanium And Titanium-Based Alloys For Aerospace*, **Metalurgia International, Issn 1582-2214, 2009, Volume: XIV (2009), Issue: Special Issue 7, Pages: 14-18, Published: 2009, Accession Number: **Wos:000268716400004**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000268716400004>, FI = 0,173 (2009), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.**

Ris 13 - M.Vasilescu, R. Paunescu, I. Gherghescu, S. Ciuca, *Comparative evaluation of ceramic and metallic thermal barrier layers*, **Metalurgia International, ISSN 1582-2214, 2009, Volume: XIV (2009), Issue: 7, Pages: 27-28, Published: 2009, Accession Number: **WOS: 000265002800006**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000265002800006>, FI = 0,173 (2009), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.**

Ris 14 - M.Vasilescu, *Analyse of cold plastic deformation of 2090 alloy*, **Metalurgia International, ISSN 1582-2214, 2009, Volume: XIV (2009), Issue: 5, Pages: 66-71, Published: 2009, Accession Number: **WOS:000265002400012**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000265002400012>, FI = 0,173 (2009), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.**

Ris 15 - M. Dobrescu, M. Vasilescu, S. Dimitriu, *Magnesium and Magnesium Alloys Properties and the Effect of Intermetallic Compounds on the Properties*, **Metalurgia International, ISSN 1582-2214, 2009, Volume: XIV (2009), Issue: Special Issue 3, Pages: 109-112, Published: 2009, Accession Number: **WOS:000265001700026**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000265001700026>, FI = 0,173 (2009), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.**

Ris 16 - M.Vasilescu, I.Vasilescu, *Studies and researches about the heat treatment parameters for 2090 alloy*, **Metalurgia International, ISSN 1582-2214, 2009, Volume: XIV (2009), Issue: 2, Pages: 14-17, Published: 2009, Accession Number: **WOS:000263374400002**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000263374400002>, FI = 0,173 (2009), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.**

Ris 17 - M.Vasilescu, I.Vasilescu, *Contributions Regarding the Corrosion Behaviour of Some Al-Cu-Mg Superalloys*, **Revista de Chimie, ISSN 0034-7752, 2009, Volume: 60 (2009), Issue: 1, Pages: 23-29, Published: 2009, Accession Number: **WOS:000264040000006**, <https://revistadechimie.ro/Articles.asp?ID=2082>, <https://bch.ro/pdfRC/VASILESCU%20M..pdf>, FI: 0,552 (2009), cotata ISI, indexata in ISI Thomson Reuters, Chemistry Citation Index, SCOPUS.**

Ris 18 - G. Cosmeleata, I. Gherghescu, R. Paunescu, M. Vasilescu, *Influence of thermal barrier type ceramic layer's chemical composition and quick thermal shock on their porosity and adherence*, **Metalurgia International, ISSN 1582-2214, 2008, Volume: XIII (2008), Issue: Special Issue 3, Pages: 73-75, Published: 2008, Accession Number: **WOS: 000263117300014**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000263117300014>, FI = 0 (2008), cotata ISI, indexata in ISI Thomson Reuters, Science Citation Index Expanded, Journal Citation Reports/Science Edition, SCOPUS.**

Ris 19 - A. Banu, M. Marcu, C. Pirvu, **M. Vasilescu**, *Electrodissolution studies of three aluminum alloys in acid, neutral and alkaline solutions*, **Revue Roumaine de Chimie**, vol 51 (3), ISSN 0035-3930, pp. 193-198, 2006, Volume: 51 (2006), Issue: 3, Pages: 193-198, Published: 2006, Accession Number: **WOS:000240447100005**, https://revroum.lew.ro/wp-content/uploads/2006/RRC_3_2006/Art.%2005.pdf, FI = 0,5 (2022), cotata ISI, indexata in ISI Thomson Reuters, SCOPUS.

Ris 20 - 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, Volume: 54, Issue: 4, Pages: 639-644, Published: 2017, Accession Number: **WOS:000426412500009**, <https://doi.org/10.37358/MP.17.4.4916>, FI=1,393 (2018), cotata ISI, indexata in Elsevier, SCOPUS si ISI Web of Science.

Ris 21 - H. Moldovan, E. Ploeanu, D. Gheorghe, **M. Vasilescu**, M. Dobrescu, C. Milea, K. Earar, D. Gheorghita, *CONTRIBUTIONS ON BIODEGRADABILITY OF Mg-Ca ALLOYS FOR ORTHOPEDIC IMPLANTS*, **UPB Scientific Bulletin, Series B Chemistry and Materials Science**, ISSN: 1454-2331, Volume: 80, Issue: 4, Pages: 229-246, Published: 2018, Accession Number: **DOI: 10.1007/s11665-015-1751-3**, **WOS: 000454986600019**, <https://www.scopus.com/record/display.uri?eid=2-s2.0-85058931089&origin=resultslist&sort=plf-f>

https://www.scientificbulletin.upb.ro/rev_docs_arhiva/fullc87_816411.pdf, FI=0,5 (2022), cotata ISI, indexata in Elsevier, SCOPUS si ISI Web of Science.

Ris 22 - 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, Volume: 81, Issue: 4, Pages: 313-324, Published: 2019, Accession Number: **WOS:000501994100029**, <https://www.scopus.com/record/display.uri?eid=2-s2.0-85076627741&origin=resultslist&sort=plf-f>, https://www.scientificbulletin.upb.ro/rev_docs_arhiva/fulle17_239024.pdf, FI=0,5 (2022), cotata ISI, indexata in Elsevier, SCOPUS si ISI Web of Science.

https://www.scientificbulletin.upb.ro/rev_docs_arhiva/fulle17_239024.pdf, FI=0,5 (2022), cotata ISI, indexata in Elsevier, SCOPUS si ISI Web of Science.

Ris 23 – A. Mocanu, M. Miculescu, R. Ciocoiu, T. Butte, A. Bitu, 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 Babeş-Bolyai Chemia**, ISSN 1224-7154, Volume 65, Issue 4, Pages 73-84, Published 2020, Accession Number: **DOI: 10.24193/subbchem.2020.4.06**, **WOS:000601368800006**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000601368800006>, http://chem.ubbcluj.ro/~studiachemia/issues/chemia2020_4/06Mocanu_etal_73_84.pdf, FI=0,494 (2019), cotata ISI, indexata in Elsevier, SCOPUS si ISI Web of Science.

Ris 24 - 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 1454-2331, Volume 82, Issue 4, Pages 307–324, Published 2020, Accession Number: **WOS:000610101300026**, https://www.scientificbulletin.upb.ro/rev_docs_arhiva/fulle07_668707.pdf, FI=0,5 (2022), cotata ISI, indexata in Elsevier, SCOPUS si ISI Web of Science.

Ris 25 - D. Stoia, C. Vigar*, C. Opris, **M. Vasilescu***, *PROPERTIES AND MEDICAL APPLICATIONS OF BIOCOMPATIBLE POLYAMIDE IN ADDITIVE MANUFACTURING*, **MATERIALE PLASTICE**, ISSN: 0025-5289, Volume: 58, Issue: 1, Pages: 113-120, Published: 2021, Accession Number: **DOI: 10.37358/MP.21.1.5451**, **WOS: 000662226600001**, <https://www.webofscience.com/wos/woscc/full-record/WOS:000662226600001>, <https://revmaterialeplastice.ro/pdf/13%20STOIA%201%2021.pdf>, FI=0,8 (2022), cotata ISI, indexata in Elsevier, SCOPUS si ISI Web of Science.

Ris 26 - 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, Volume 83, Issue 2, Pages 191–200, Published 2021, Accession Number: **WOS: 000661663200018**, https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full1b3_711686.pdf, FI=0,5 (2022), cotata ISI, indexata in Elsevier, SCOPUS si ISI Web of Science.

Ris 27 - 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, Volume 83, Issue 2, Pages 303–312, Published 2021, Accession Number: **WOS: 000661663200026**, https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full441_232968.pdf, FI=0,5 (2022), cotata ISI, indexata in Elsevier, SCOPUS si ISI Web of Science.

Ris 28 - 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, Accession Number: **WOS: 000694396800001**, <https://doi.org/10.3390/ma14175048>, FI= 3,623 (2021), cotata ISI, indexata in SCOPUS si ISI Web of Science.

Ris 29 - 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, Accession Number: **WOS: 000716317000001**, <https://www.mdpi.com/1996-1944/14/20/5948>, <https://doi.org/10.3390/ma14205948>, FI=3,623 (2021), cotata ISI, indexata in SCOPUS si ISI Web of Science.

Ris 30 – 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: **WOS:** , <https://www.mdpi.com/1996-1944/17/4/830>, <https://doi.org/10.3390/ma17040830>, FI=3,4 (2022), cotata ISI, indexata in SCOPUS si ISI Web of Science.

Ris 31 - 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 (EBSCO, CAMBRIDGE SCIENTIFIC ABSTRACT), https://www.fascicula9.ugal.ro/uploads/pdf/Cuprins_UgalMat_2014.pdf.

Ris 32 - 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 (EBSCO, INDEX COPERNICUS INTERNATIONAL), http://fimmr.valahia.ro/sbmm.html/docs/2014/materials/9_Dobrescu_2014.pdf.

Ris 33 - **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 (EBSCO, INDEX COPERNICUS INTERNATIONAL), http://fimmr.valahia.ro/sbmm.html/docs/2014/materials/11_Vasilescu_2014.pdf.

Ris 34 - M. Dobrescu, **M. Vasilescu**, *Oferta educațională în domeniul ingineresc corelată cu integrarea europeană a României*, **Buletinul AGIR Nr. 1/ ianuarie-martie 2013** - Educație și Inginerie, Ed. AGIR, București, 2013, p. 42-43, ISSN: 1224-7928, revista indexata BDI (EBSCO, INDEX COPERNICUS INTERNATIONAL, ACADEMIC KEYS, getCITED), Microsoft Word - Text Buletin 1_2013.docx (agir.ro).

Ris 35 - 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 BDI in: EBSCO, ProQuest, <https://www.proquest.com/scholarly-journals/control-simulation-corossion-protection-process/docview/1030769413/se-2?accountid=29198>, <https://www.proquest.com/docview/1030769413/fulltextPDF/1EF82EED13F44AECPO/3?accountid=29198>.

Ris 36 - M. Dobrescu, **M. Vasilescu**, I. Vasilescu, *EN norms for foundry aluminium alloys*, **The Scientific Bulletin of VALAHIA University MATERIALS and MECHANICS, No. 5(8)**, ISSN 1844-1076, pp. 50-52, 2010, cotata B, indexata BDI in: EBSCO , http://fimmr.valahia.ro/sbmm.html/docs/2010/materials/Dobrescu%20Mircea_en.pdf.

Ris 37 - **M.Vasilescu**, R. Paunescu, I. Gherghescu, *Quantitative analysis of some layers deposited on copper support*, **Metalurgia, Nr.11 (2009)**, ISSN 0461-9579, pp. 5-9, 2009, indexata in BDI EBSCO, <http://ebsohost.com/titleList/ii-coverage.pdf>.

Ris 38 - R. Paunescu, I. Gherghescu, **M. Vasilescu**, *Testing of metallic coatings deposited by vacuum electric welding for thermal barrier layers applications*, **Metalurgia, Nr.1 (2009)**, ISSN 0461-9579, pp. 25-28, 2009, indexata in BDI EBSCO, <http://ebscohost.com/titleList/ii-coverage.pdf>.

Ris 39 - I. Gherghescu, R. Paunescu, M. Vasilescu, *Structural aspects revealed by scanning electron microscopy (SEM) of some complex cobalt and nickel based alloys deposited on copper support by WIG technique*, **Metalurgia, Nr.1 (2009)**, ISSN 0461-9579, pp. 29-36, 2009, indexata in BDI EBSCO, <http://ebscohost.com/titleList/ii-coverage.pdf>.

Ris 40 - M. Vasilescu, L. Alecu, *The evolution of high Tc superconductor materials used in electrical engineering (A review)*, Universitatea Politehnica Bucuresti, **Buletin Stiintific Seria B: Chimie si Stiinta Materialelor, vol 70, nr. 1/ 2008**, Editura POLITEHNICA PRESS, ISSN 1454-2331, pp. 73-79, 2008, indexata in BDI SCOPUS, [Microsoft Word - vasilescu.doc \(upb.ro\)](#).

Ris 41 - 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 (EBSCO, CAMBRIDGE SCIENTIFIC ABSTRACT), DOI: <https://doi.org/10.35219/mms.2019.1.03>.

Ris 42 - **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 in EBSCO, CAMBRIDGE SCIENTIFIC ABSTRACT, DOI: <https://doi.org/10.35219/mms.2019.1.02>.

Ris 43 - **M. Vasilescu**, M. Dobrescu, *EDUCAȚIA PREVENIRII POLUĂRII NUCLEARE O STRINGENTĂ PROBLEMĂ ECOLOGICĂ*, **Supliment Buletinul AGIR 3/2015**, Ed. AGIR, București, 2015, ISSN: 1224-7928, Online: ISSN 2247-3548, pg. 141-143, revista indexata BDI in EBSCO, INDEX COPERNICUS INTERNATIONAL, ACADEMIC KEYS, getCITED, www.buletinulagir.agir.ro, recunoscuta CNCSIS B+, [Microsoft Word - text Supliment 3 2015 1.docx \(agir.ro\)](#).

Ris 44 - **M. Vasilescu**, M. Dobrescu, *EDUCATIA ECOLOGICA, IDEOLOGIE (POLITICA) SAU RELIGIE A APOCALIPSEI*, **Supliment Buletinul AGIR 3/2015**, Ed. AGIR, București, 2015, ISSN: 1224-7928, Online: ISSN 2247-3548, pg. 144-145, revista indexata BDI in EBSCO, INDEX COPERNICUS INTERNATIONAL, ACADEMIC KEYS, getCITED, www.buletinulagir.agir.ro, recunoscuta CNCSIS B+, [Microsoft Word - text Supliment 3 2015 1.docx \(agir.ro\)](#).

Ris 45 - **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 (EBSCO, CAMBRIDGE SCIENTIFIC ABSTRACT), DOI: <https://doi.org/10.35219/mms.2019.1.05>.

Ris 46 - **M. Vasilescu**, I. Antoniac, D.I. Stoia, D. Laptoiu, A. Stoia, C. Vigaru, S. Gradinaru, *USING STAINLESS STEEL AND TITANIUM ALLOY IN CHARCOT FOOT RECONSTRUCTION. FEA SIMULATION AND CLINICAL CASE*, **Revista de Chimie**, ISSN 0034-7752, 2020, Volume: 71 (2020), Issue: 1, Pages: 235-247, Published: 2020, DOI: <https://doi.org/10.37358/RC.20.4.8062>, indexata BDI in SCOPUS si Chemistry Citation Index.

Rio – Alte reviste de specialitate de circulație internațională.

Rns - Reviste de specialitate de circulație națională recunoscute de CNCSIS. Se mentioneaza Categoria CNCSIS.

Rns 1 - M. Dobrescu, S. Dimitriu, **M. Vasilescu**, *Titanium and titanium-based alloys for aerospace*, Universitatea Tehnica Gheorghe Asachi din Iasi, **Buletinul Institutului Politehnic din Iasi, Tomul LV (LIX), fasc. 1, 2009, Sectia Stiinta si Ingineria Materialelor**, ISSN 1453-1690, pp. 207-213, 2009, cotata B, indexata BDI ULRICH'S, http://www12.tuiasi.ro/users/112/REZUMATE%20FASC%201_2_009.pdf.

Rns 2 - C. Dumitrescu, M. Dobrescu, **M. Vasilescu**, *Advanced materials for advanced industries. Mechanical engineering of titanium alloys*, Universitatea Tehnica Gheorghe Asachi din Iasi, **Buletinul Institutului Politehnic din Iasi, Tomul LV (LIX), fasc. 1, 2009, Sectia Stiinta si Ingineria Materialelor**, ISSN 1453-1690, pp. 227-229, 2009, cotata B, indexata BDI ULRICH'S, http://www12.tuiasi.ro/users/112/REZUMATE%20FASC%201_2_009.pdf.

Rns 3 - M. Vasilescu, *Obținerea de noi materiale supraconductoare de tip YBaCuO – Raport de cercetare*, **Revista de Politică Stiinței și Scientometrie – Numar Special 2005**, Editura Mediamira, ISSN 1582-1218, pp.1-36, 2005.

Rns 4 - M. Dobrescu, S. Dimitriu, M. Vasilescu, *Considerations on Fatigue Resistance of Supersonic Airplanes*, **Buletinul Institutului Politehnic din Iasi, Sectia Stiinta si Ingineria Materialelor**, ISSN 1453-1690, ISSIM 2011 Iasi Proceeding, 26-29 Mai, pg.56-59, 2011, cotata B, indexata BDI ULRICH'S.

Rns 5 - M. Vasilescu, M. Dobrescu, *The necessity of using titanium aluminide-intermetallic alloys in aerospace applications*, **Buletinul Institutului Politehnic din Iasi, Sectia Stiinta si Ingineria Materialelor**, ISSN 1453-1690, ISSIM 2011 Iasi Proceedings, 26-29 Mai, pg. 60-63, 2011, cotata B, indexata BDI ULRICH'S.

Rno - Alte reviste de specialitate de circulație națională.

Vis- Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson Reuters sau indexate în alte Baze de Date Internaționale - BDI specifice domeniului, care fac un proces de selecție a publicațiilor pe baza unor criterii de performanță. *Se menționează la fiecare lucrare includerea în Baza ISI [ISI Proceedings, Accession Number, WOS=....., ISSN] și/sau denumirea altei (altor) BDI.*

Vis 1 - M. Vasilescu, M. Dobrescu, *EXPERIMENTS OF FATIGUE RESISTANCE OF STAINLESS STEEL REINFORCED BARS*, **Proceedings of 15th International Multidisciplinary Scientific GeoConference SGEM 2015**, Albena, Bulgaria, Book: 6 Volume: 2 Pages: 133-140 Published: 2015, ISSN 13142704, Accession Number: **WOS: 000371602600018**, **DOI: 10.5593/SGEM2015/B62/S26.018**, <https://www.scopus.com/record/display.uri?eid=2-s2.0-84964253490&origin=resultslist&sort=plf-f&src=s&sid=b9478f73994e682c1f7a8512a37607f8&sot=b&sdt=b&s=TITLE-ABS-KEY%28EXPERIMENTS+OF+FATIGUE+RESISTANCE+OF+STAINLESS+STEEL+REINFORCED+BARS%29&sl=83&sessionSearchId=b9478f73994e682c1f7a8512a37607f8>, INDEXED by Elsevier, SCOPUS and ISI Web of Science, ISI Proceedings.

Vis 2 - 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, Book: 6 Volume: 2 Pages: 243-250 Published: 2015, ISSN 13142704, Accession Number: **WOS: 000371602600032**, **DOI: 10.5593/SGEM2015/B62/S26.032**, <https://www.scopus.com/record/display.uri?eid=2-s2.0-84964297317&origin=resultslist&sort=plf-f&src=s&sid=e04711afdc593b385916370edffbb08a&sot=b&sdt=b&s=TITLE-ABS-KEY%28PROPERTIES+AND+APPLICATIONS+OF+CU-ZN-AL+AND+NI-TI-NB+SHAPE+MEMORY+ALLOYS%29&sl=38&sessionSearchId=e04711afdc593b385916370edffbb08a>, INDEXED by Elsevier, SCOPUS and ISI Web of Science, ISI Proceedings.

Vis 3 - M. Vasilescu, Gh. Jula, I. Vasilescu, *Considerations about the plastic deformation through warm extrusion of Al-Li based alloy of 2090 type*, Proceedings of the 1996 5th International Conference, ICAA5, **Book Series: Materials Science Forum, (Part 1) Vol. 217, ALUMINIUM ALLOYS: THEIR PHYSICAL AND MECHANICAL PROPERTIES**, ISSN 0255-5476, 1996, Volume: 217, Part 1 (of 3) (1996), Pages: 415-420, Published: 1996 by Trans Tech Publications, Accession Number: **WOS: A1996BG37W00059**, **DOI: 10.4028/www.scientific.net/msf.217-222.415**, <https://www.scientific.net/MSF.217-222.415>, FI: 0 (1996), INDEXATA ISI, indexata în COMPENDEX, INSPEC, SCOPUS, ISI Web of Science, ISI Proceedings.

Vis 4 - M. Vasilescu, M. Dobrescu, I. Vasilescu, *Plastic deformation and heat treatments effect on the properties of Cu-Ag alloys obtained by casting and powder metallurgy*, **POWDER METALLURGY REVIEW -“PM2010 Proceedings- PM Functional Materials”**, ISBN 978-189907219-4, 2010, Vol.5, pp. 343-346, European Powder Metallurgy Association (EPMA), Elsevier B.V., indexata BDI în British Library, SCOPUS, <http://www.ipmd.net/shop/proceedings/pm2010/functionalmaterials>.

Vis 5 - M. Vasilescu, I. Vasilescu, *The influence of Ti additions in Al-Li base alloys*, **Aluminium Alloys – Their Physical and Mechanical Properties, vol 1**, ISBN: 9783527323678, pp. 896-900, BOOK - ICAA-11 Conference Proceeding, DGM, Editors: Hirsch Jürgen, Skrotzki Birgit, Gottstein Günter, Weinheim WILEY-VCH Verlag GmbH, Germany, 2008, indexata în British Library Cataloguing-in-Publication Data, Die Deutsche Bibliothek, Deutsche Nationalbibliografie, WILEY, indexata în BDI WILEY, <http://www instal-online.de/uploads/downloads/Aluminium%20Alloys-ICAA-11-Proceedings.pdf>, <https://d-nb.info/988816725/04>, <https://www.tib.eu/en/search/id/tema:TEMA20081204044/The-influence-of-Ti-additions-in-Al-Li-base-alloys?cHash=7af511d4fe1ea9b519c90b5efadab209>.

Vis 6 - I. Vasilescu, **M. Vasilescu***, *The behaviour at cold plastic deformation of Al-Li base alloys used in aeronautical constructions*, IBEC-SAE 2002 World Congress, Paris, France, IBEC-SAE TECHNICAL PAPER paper 02IBECB-34, **SAE 2002 Transactions - Journal of Materials and Manufacturing**, ISBN 0-7680-1289-9, pg. 832-839, published by Society of Automotive Engineers, SUA, September 2003, **SAE Technical Paper 2002-01-2002**, 2002, Accession Number: DOI: **10.4271/2002-01-2002**, indexata BDI in SAE GLOBAL MOBILITY DATABASE, -WORLD WIDE WEB- The most authoritative source of vehicle technology information, SCOPUS, <http://papers.sae.org/2002-01-2002/>.

Vis 7 - **M. Vasilescu**, C. Sfat, T. Vasile, *Considerations about the Aluminium Dispersion Strengthened Alloy*, SAE 2002 World Congress, Detroit, SUA, **SAE Technical Paper 2002-01-1310**, 2002, ISSN 0148-7191, pg. 109-112, published by Society of Automotive Engineers, SUA, 2002, Accession Number: DOI: **10.4271/2002-01-1310**, indexata BDI in SAE GLOBAL MOBILITY DATABASE, -WORLD WIDE WEB- The most authoritative source of vehicle technology information, SCOPUS, <http://papers.sae.org/2002-01-1310/>.

Vis 8 - T.Vasile, **M.Vasilescu**, *Important modifications of structures and properties of WC-Ti-Co alloys through (Ta, Nb)C additions*, SAE 2002 World Congress, Detroit, SUA, **SAE TECHNICAL PAPER SERIES 2002-01-1265**, ISSN 0148-7191, published by Society of Automotive Engineers, SUA, 2002, Accession Number: DOI:**10.4271/2002-01-1265**, indexata BDI in SAE GLOBAL MOBILITY DATABASE, -WORLD WIDE WEB- The most authoritative source of vehicle technology information, SCOPUS, <http://papers.sae.org/2002-01-1265/>.

Vis 9 - T. Vasile, **M. Vasilescu**, C. Patric, *The influence of Cr₃C₂ carbides on classic hard alloys performances*, SAE 2002 World Congress, Detroit, SUA, **SAE TECHNICAL PAPER SERIES 2002-01-1266**, ISSN 0148-7191, published by Society of Automotive Engineers, SUA, 2002, Accession Number: DOI:**10.4271/2002-01-1266**, indexata BDI in SAE GLOBAL MOBILITY DATABASE, -WORLD WIDE WEB- The most authoritative source of vehicle technology information, SCOPUS, <http://papers.sae.org/2002-01-1266/>.

Vis 10 – **M. Vasilescu**, C. Sfat, T. Vasile, *Considerations about the aluminium dispersion strengthened alloy*, SAE 2002 World Congress, Detroit, SUA, paper 2002-01-0390, **Light Metals for the Automotive Industry**, SAE SP-1683, ISBN 0-7680-0951-0, pp.109-112, published by Society of Automotive Engineers, SUA, 2002, Accession Number: DOI:**10.4271/2002-01-0390**, indexata BDI in SAE GLOBAL MOBILITY DATABASE, -WORLD WIDE WEB- The most authoritative source of vehicle technology information, SCOPUS, <http://papers.sae.org/2002-01-0390/>.

Vis 11 – **M.Vasilescu**, I.Vasilescu, *The structure and mechanical properties of the Al-Li base alloys with Ti additions*, IBEC-SAE 2002 World Congress, Paris, France, **IBEC-SAE TECHNICAL PAPER paper 02IBECB-29**, **SAE Technical Paper 2002-01-2013**, ISSN 0148-7191, pp. 1-6, published by Society of Automotive Engineers, SUA, 2002, Accession Number: DOI:**10.4271/2002-01-2013**, indexata BDI in SAE GLOBAL MOBILITY DATABASE, -WORLD WIDE WEB- The most authoritative source of vehicle technology information, SCOPUS, <http://papers.sae.org/2002-01-2013/>.

Vis 12 – **M.Vasilescu**, I.Vasilescu, C. Sfat, *The influence of Ti additions on the microstructure of 2090 alloys used in aeronautical constructions*, 2001 ATT Congress & Exhibition, Barcelona, Spain, **paper 2001-01-3378**, **ATTCE 2001 Proceedings, Volume 4: Materials, SAE P-370**, ISBN 0-7680-0863-8, pp.213-216, published by Society of Automotive Engineers, SUA, 2001, SAE Technical Paper 2001-01-3378, 2001, Accession Number: DOI:**10.4271/2001-01-3378**, indexata BDI in SAE GLOBAL MOBILITY DATABASE, -WORLD WIDE WEB- The most authoritative source of vehicle technology information, SCOPUS, <http://papers.sae.org/2001-01-3378/>.

Vis 13 - I. Vasilescu, **M. Vasilescu**, *The behaviour of the 2090 alloy at plastic deformation through dynamics cold upsetting*, 2001 ATT Congress & Exhibition, Barcelona, Spain, **SAE Technical Paper 2001-01-3215**, 2001, **ATTCE 2001 Proceedings Volume 4: Materials, SAE P-370**, ISBN 0-7680-0863-8, pp.69-72, published by Society of Automotive Engineers, SUA, 2001, Accession Number: DOI:**10.4271/2001-01-3215**, indexata BDI in SAE GLOBAL MOBILITY DATABASE, -WORLD WIDE WEB- The most authoritative source of vehicle technology information, SCOPUS, <http://papers.sae.org/2001-01-3215/>.

Vis 14 - **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, **THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI FASCICLE IX. METALLURGY AND MATERIALS, SPECIAL ISSUE-2012**, ISSN 2668-4748, e-ISSN 2668-4756, pg. 92-97, GALATI UNIVERSITY PRESS, revista B+, revista indexata BDI in EBSCO, CAMBRIDGE SCIENTIFIC ABSTRACT, <https://www.fascicula9.ugal.ro/uploads/pdf/Cuprins-ArtCast-2012.pdf>.

Vis 15 - M. Vasilescu, M. Dobrescu, I. Vasilescu, *Plastic deformation and heat treatment effect on the properties of Cu-Ag alloys obtained by casting and powder metallurgy*, Proceedings of PM 2010 World Congress, EPMA, Florence, Italy, 11-14 October, World PM 210, Vol. 5, 2010, ISBN 978-189907219-4, indexata BDI in SCOPUS, www.epma.com/pm2010.

Vis 16 - T. Vasile, A. Purcarea, M. Vasilescu, C. Patric, *The obtaining and characterising of TiC-Mo₂C complex carbides*, Proceedings of the Euro International Powder Metallurgy Congress and Exhibition, Euro PM 2008, vol. 2 Powder Manufacturing and Processing; Powder Injection Moulding; Miniaturization & Nanotechnology; PM Lightweight & Porous Materials, pg. 43-48, Mannheim, Germany, 29 Sept.-1 Oct, 2008, Publisher: European Powder Metallurgy Association (EPMA), ISBN: 9781899072033, indexata SCOPUS, www.epma.com/pm2008.

Vis 17 - M. Vasilescu, T. Vasile, S. Ciuca, I. Vasilescu, C. Patric, *Considerations about obtaining of TiC-Mo₂C complex carbides*, Proceedings of the Euro Powder Metallurgy Congress and Exhibition, Euro PM 2007, vol. 1, pg. 241-245, paper 02HM1P, Toulouse, France, 15-17 Oct. 2007, Publisher: European Powder Metallurgy Association (EPMA), ISBN: 9781899072293, indexata BDI in SCOPUS, www.epma.com/pm2007.

Vis 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), Volume: 660, Pages: 103-107 Published: 2015, ISSN 1013-9826, Publisher: Trans Tech Publications Ltd, Accession Number: [doi:10.4028/www.scientific.net/KEM.660.103](https://doi.org/10.4028/www.scientific.net/KEM.660.103), indexata BDI in Elsevier, SCOPUS.

Vis 19 - M. Vasilescu, M. Dobrescu, *Hardfacing Corrosion and Wear Resistant Alloys*, ADVANCED MATERIALS RESEARCH (AMR) Vol 1114 (2015)- Materials Research and Application, Trans Tech Publications (TTP), Switzerland, ISSN 1662-8958, Volume: 1114 Issue: Pages: 196-205 Published: 2015, Accession Number: [doi:10.4028/www.scientific.net/AMR.1114.196](https://doi.org/10.4028/www.scientific.net/AMR.1114.196), indexata BDI in EBSCO, INSPEC, EI COMPENDEX.

Vis 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, Volume: 1114 Issue: Pages: 219-223 Published: 2015, Accession Number: [doi:10.4028/www.scientific.net/AMR.1114.219](https://doi.org/10.4028/www.scientific.net/AMR.1114.219), indexata BDI in EBSCO, INSPEC, EI COMPENDEX.

Vis 21 - 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, Volume: 750 Issue: Pages: 148-152 Published: 2017, Accession Number: [doi: 10.4028/www.scientific.net/KEM.750.148](https://doi.org/10.4028/www.scientific.net/KEM.750.148), indexata BDI in Elsevier, SCOPUS.

Vis 22 - 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, Volume: 19 Issue: 6.2 Pages: 139-146 Published: 2019, DOI: [10.5593/SGEM2019/6.2/S26.018](https://doi.org/10.5593/SGEM2019/6.2/S26.018), indexata BDI in Elsevier, SCOPUS.

Vis 23 - D. Raducanu, M. Vasilescu, *Structure memory effect in monophasyc BCC alloys*, volumul Congresului "Eighth CIMTEC – World Ceramics Congress and Forum on New Materials", Florenta, Italia, 28 June-4 July, 1994, ISBN 88-86538-09-X, pg. 81, published by TECHNIA, Faenza, Italy, 1995, indexata BDI in INSPEC.

Vis 24 -

Vi - Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate;

Vi 1 - 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.

Vi 2 - 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.

- Vi 3** - 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, University of Belgrade, Technical Faculty in Bor, Mining and Metallurgy Institute Bor, published by Mining and Metallurgy Institute Bor, www.ioc.tf.bor.ac.rs.
- Vi 4** - 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, University of Belgrade, Technical Faculty in Bor, Mining and Metallurgy Institute Bor, published by Mining and Metallurgy Institute Bor, www.ioc.tf.bor.ac.rs.
- Vi 5** - 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, University of Belgrade, Technical Faculty in Bor, Mining and Metallurgy Institute Bor, published by University of Belgrade - Technical Faculty in Bor, www.ioc.tf.bor.ac.rs.
- Vi 6** - M. Vasilescu, I. Vasilescu, M. Dobrescu, *Corrosion behaviour of some Al-Cu-Mg superalloys*, **Proceedings of XV Balcan Mineral Processing Congress – BMPC 2013**, Sozopol, Bulgaria, 12-16 iun. 2013, vol. I, pg. 105-108, ISBN 978-954-353-217-9, Department pf Mineral Processing and Recycling, University of Mining and Geology “St. Ivan Rilski”, Publishing house “St. Ivan Rilski”.
- Vi 7** - 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, University of Belgrade, Technical Faculty in Bor, Mining and Metallurgy Institute Bor, published by University of Belgrade - Technical Faculty in Bor, www.ioc.tf.bor.ac.rs.
- Vi 8** - M. Dobrescu, M. Vasilescu, *Aerogels for aerospace*, **Proceedings of XV Balcan Mineral Processing Congress – BMPC 2013**, Sozopol, Bulgaria, 12-16 iun. 2013, vol. II Pg. 1103-1104, ISBN 978-954-353-218-6, 2013, Department pf Mineral Processing and Recycling, University of Mining and Geology “St. Ivan Rilski”, Publishing house “St. Ivan Rilski”.
- Vi 9** - M. Dobrescu, M. Vasilescu, I. Vasilescu, *Studies on titanium investment castings for aerospace a technology with a minimum environmental pollution*, **SRTOR 2012 Proceedings**, Serbia, 5-7 Septembrie 2012, Soko Banja, pg. 37-40, ISBN 978-86-80987-86-6, 2012.
- Vi 10** - M. Vasilescu, M. Dobrescu, I. Vasilescu, *Aluminium investment casting, a solution with low cost and environmental protection*, **SRTOR 2012 Proceidings**, Serbia, 5-7 Septembrie 2012, Soko Banja, pg. 24-27, ISBN 978-86-80987-86-6, 2012.
- Vi 11** - 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 Proceedings**, Bor, Serbia, 1-3 Octombrie, 2012, pg. 293-296, ISBN 978-86-7827-042-0, 2012, published by Mining and Metallurgy Institute Bor.
- Vi 12** - M. Dobrescu, M. Vasilescu, I. Durbaca, D. Batalu, *Trandisciplinaritatea, Interdisciplinaritatea si Influenta asupra Procesului Educational*, **International Conference Modernity and competitiveness in Education Proceedings**, Ministerul Educatiei, Cercetarii, Tineretului si Sportului, UPB, Departamentul pentru Pregatirea Personalului Didactic, Bucuresti, 10-11 Decembrie, 2011, pg. 34-39.
- Vi 13** - M. Dobrescu, M. Vasilescu, D. Batalu, I. Durbaca, *Stiinta si Ingineria Materialelor. Oferta Educationala in Conformitate cu Cerintele Uniunii Europene*, **International Conference Modernity and competitiveness in Education Proceedings**, Ministerul Educatiei, Cercetarii, Tineretului si Sportului, UPB, Departamentul pentru Pregatirea Personalului Didactic, Bucuresti, 10-11 Decembrie, 2011, pg. 40-44.
- Vi 14** - M. Dobrescu, S. Dimitriu, M. Vasilescu, *Considerations on fatigue resistance of supersonic airplanes*, **43rd International October Conference on Mining and Metallurgy, IOC 2011 Proceedings**, Kladovo, Serbia, 12-15 Octombrie, 2011, pg. 250-254, ISBN 978-86-80987-87-3, University of Belgrade, Technical Faculty in Bor, Mining and Metallurgy Institute Bor, published by Mining and Metallurgy Institute Bor, www.ioc.tf.bor.ac.rs.
- Vi 15** - M. Vasilescu, M. Dobrescu, *The Impact of the Ecomaterials on the Environment*, **SRTOR 2011 Proceiding**, Serbia, 18-21 Septembrie 2011, Soko Banja, pg. 302-306, ISBN 978-86-80987-96-6, www.srtor.tf.bor.ac.rs.
- Vi 16** - M. Vasilescu, M. Dobrescu, *On the Air, Water and Ground Pollution Due to Metallurgical Factories*, **SRTOR 2011 Proceedings**, Serbia, 18-21 Septembrie 2011, Soko Banja, pg. 377-378, ISBN 978-86-80987-96-6, www.srtor.tf.bor.ac.rs.
- Vi 17** - M. Dobrescu, M. Vasilescu, I. Vasilescu, *The Influence of Metallic Biomaterials on Human Health*, **STS Conference 2011 Proceeding, Serbia – CHAIRMAN STS Conference 2011 Serbia - MEDICAL ASPECT - Health protection, health and professional risk, toxicology and ecotoxicology**, pg. 50-53.
- Vi 18** - M. Dobrescu, S. Dimitriu, M. Vasilescu, I. Vasilescu, *Researches on increasing fatigue life of titanium alloys for aircrafts*, **Proceedings of 42th International October Conference on Mining and Metallurgy-IOC 2010**, University of Belgrade, Technical Faculty in Bor and Mining and Metallurgy Institute Bor, ISBN 978-86-80987-79-8, pp. 447-450, Kladovo,

Serbia, 10-13 October, 2010, University of Belgrade, Technical Faculty in Bor, Mining and Metallurgy Institute Bor, published by Mining and Metallurgy Institute Bor, www.ioc.tf.bor.ac.rs.

Vi 19 - S. Dimitriu, **M. Vasilescu**, I. Vasilescu, M. Dobrescu, *Structure and mechanical properties of some Al-Li-Ti base alloys*, **Proceedings of 42th International October Conference on Mining and Metallurgy-IOC 2010**, University of Belgrade, Technical Faculty in Bor and Mining and Metallurgy Institute Bor, ISBN 978-86-80987-79-8, pp. 476-479, Kladovo, Serbia, 10-13 October, 2010, University of Belgrade, Technical Faculty in Bor, Mining and Metallurgy Institute Bor, published by Mining and Metallurgy Institute Bor, www.ioc.tf.bor.ac.rs.

Vi 20 - M. Dobrescu, **M. Vasilescu**, I. Vasilescu, *Studies on plastic recycling with environmental compatibility*, **Proceedings of 5th International Symposium Recycling Technologie and Sustainable Development-4th SRTOR 2010**, University of Belgrade-Technical Faculty Bor, ISBN 978-86-80987-80-4, pp. 214-218, Kladovo, Serbia, 12-15 September, 2010, www.srtor.tf.bor.ac.rs.

Vi 21 - **M. Vasilescu**, I. Vasilescu, M. Dobrescu, *Studies on the advantages and productive efficiency of the eco-products used in construction*, **Proceedings of 5th International Symposium Recycling Technologie and Sustainable Development-4th SRTOR 2010**, University of Belgrade-Technical Faculty Bor, ISBN 978-86-80987-80-4, pp. 260-266, Kladovo, Serbia, 12-15 September, 2010, www.srtor.tf.bor.ac.rs.

Vi 22 - **M. Vasilescu**, M. Dobrescu, *Obtaining and characterising of some Al-Li based alloys used in aerospace industry*, **Proceedings of 41th International October Conference on Mining and Metallurgy - IOC 2009**, Mining and Metallurgy Institute Bor and University of Belgrade Technical Faculty Bor, ISBN 978-86-7827-033-8, pp. 785-792, Kladovo, Serbia, 4-6 October, 2009, University of Belgrade, Technical Faculty in Bor, Mining and Metallurgy Institute Bor, published by Mining and Metallurgy Institute Bor, www.ioc.tf.bor.ac.rs.

Vi 23 - S. Dimitriu, M. Dobrescu, **M. Vasilescu**, *Titanium and titanium alloys: Mechanical engineering and testing methods for aeronautics*, **Proceedings of 41th International October Conference on Mining and Metallurgy-IOC 2009**, Mining and Metallurgy Institute Bor and University of Belgrade Technical Faculty Bor, ISBN 978-86-7827-033-8, pp. 781-784, Kladovo, Serbia, 4-6 October, 2009, University of Belgrade, Technical Faculty in Bor, Mining and Metallurgy Institute Bor, published by Mining and Metallurgy Institute Bor, www.ioc.tf.bor.ac.rs.

Vi 24 - G. Cosmeleata, I. Gherghescu, V. Manoliu, C. Lungu, R. Paunescu, I. Ivan, **M. Vasilescu**, Gh. Gherghisor, S. Ciuca, *Influenta compozitiei chimice a straturilor ceramice tip bariera termica si a socului termic asupra porozitatii si aderenței acestora*, **Proceedings of National Conference of Metallurgy and Materials Science - ROMAT 2008**, Editura Printech, ISBN 978-606-521-077-6, pp.59-67, Bucharest, 25-26 Sept., 2008, www.romat.upb.ro.

Vi 25 - **M.Vasilescu**, I. Vasilescu, C. Herwartz Dumitrescu, *Characterisation of the 2090 alloys with Ti additions*, **Proceedings of International Conference on Aluminium**, paper 60, Essen, Germany, 21-22 Sept., 2006, www.dgm.de/aluminium.

Vi 26 - **M.Vasilescu**, L.Alecu, I.Vasilescu, *Studies and research about high critical temperature oxide superconductor alloys of YBaCuO type*, **Proceedings of JUNIOR EUROMAT 2006** Lausanne, Topic B-Magnetic Properties, Superconductivity, Electronic Materials, paper 90- Internet, 2006, published by Federation of European Materials Societies – FEMS, www.junior-euromat.fems.org.

Vi 27 - **M.Vasilescu**, L.Alecu, I.Vasilescu, *Studies and Research about the Evolution of Superconductor Materials*, **EUROMAT 2005**, paper 674, Praga, Cehia, 4-8 Septembrie, 2005.

Vi 28 - T.Vasile, **M.Vasilescu**, M.Grama, *Tribologic behaviour of titanium alloys in presence of nitrogen from layer*, **Proceeding of Tribology Conference 2004 and BioMedD'2004 Conference Proceedings Abstracts**, Ed.Printech, ISBN 973-718-083-6, pg.21, București, 2004.

Vi 29 - **M.Vasilescu**, L.Alecu, I.Vasilescu, *Investigation about new superconductor materials*, **Proceedings of JUNIOR EUROMAT 2004**, Topic B-Magnetic Properties, Superconductivity, Electronic Materials- Internet, Lausanne, 2004, published by Federation of European Materials Societies – FEMS, www.junior-euromat.fems.org.

Vi 30 - **M.Vasilescu**, L.Alecu, I.Vasilescu, *The evolution of superconductor materials used in electrotechnics*, **Proceedings of 2nd International Conference and Exhibition on New Developments in Metallurgical Process Technology-** Riva del Garda, Published by Associazione Italiana di Metallurgia, ISBN 88-85298-51-6, pg.164, Milano, Italia, 2004.

Vi 31 -

Vn - Volumele unor manifestări științifice naționale.

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

B - Brevete de invenție.

A - Inovații și alte creații.

VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

P – Proiecte de cercetare-dezvoltare – inovare obținute prin competiție, pe bază de contract/grant, în țară/străinatate (**Pn** – naționale, **Pi** - internaționale).

Pi 1 - *Aliaje de Al-Li destinate industriei aeronautice*, Proiect CNC SIS- BANCA MONDIALA, RUNDA IV, TIP T, nr. 104 (2000-2002), SUMA 25.000 USD, **Director de proiect: Vasilescu Marius.**

Pi 2 - *Valorificarea complexă a deseurilor de titan prin tratament cu H₂ în vederea obținerii de pulberi de dimensiuni nanometrice*; PROIECT BILATERAL ROMANIA-BULGARIA Contract Nr. 37/10.06.2008 (Nr. Intern U.P.B. I-33-08-01); Valoare 176.079 RON; Finanțare: bugetul de stat. Denumirea programului din PN II: CAPACITATI; Categoria de proiect: Modul III; Facultatea Știința și Ingineria Materialelor; (2008-2009), **Director de proiect: Dimitriu Sorin, Coautor: Vasilescu Marius.**

Pi 3 - *Celule solare tandem cu hetero jonctiune, de înaltă performanță, pentru aplicații specifice* - Proiect Parteneriate PN-III- M-ERA.NET, Program Cooperare europeană și internațională CEI – H2020, 2016-2019, **Director de proiect: Fara Laurentiu, Coautor: Vasilescu Marius.**

Pn 1 - *Obținerea de noi materiale supraconductoare de tip YBa CuO*, GRANT CNC SIS type A, cod CNC SIS 170, 2003-2005, SUMA 27.750 LEI, **Director de proiect: Vasilescu Marius (2003-2005).**

Pn 2 - *Obținerea și caracterizarea aliajelor superusoare pe baza de aluminiu utilizate în industria aerospațială*, GRANT ANSTI, Contract nr. 6111/2000 B29-A27, 2000 – 2001, SUMA 5.500 LEI, **Director de proiect: Vasilescu Marius (2000-2001).**

Pn 3 - *Studii și cercetări privind obținerea unor noi materiale supraconductoare*, contract de cercetare UPB-MCT nr.836/1996 Act Ad.334/1999/II Tema B61, Act Ad.122/I/2000 Tema A71, 1999-2000, **Responsabil de proiect: Vasilescu Marius (1999-2000).**

Pn 4 - *Studii și cercetări privind anizotropia unor noi aliaje pe baza de Al-Li cu adaosuri de Ti pentru industria aerospațială*, contract de cercetare UPB-MCT nr.836/1996 Act Ad.334/1999/II Tema A28, 1999, **Responsabil de proiect: Vasilescu Marius (1999).**

Pn 5 - *Cercetări privind corelarea dintre deformările plastice, caracteristicile mecanice și anizotropia orientărilor cristalitelor din aliajele usoare de tip Al-Li-Cu-Mg*, contract de cercetare UPB-MCT nr. 836/Act Ad. 1109/II/1998 – A 57, 1998-1999, **Responsabil de proiect: Vasilescu Marius (1998-1999).**

Pn 6 - *Studii și cercetări privind reducerea anizotropiei structurii și proprietăților aliajului cu densitate mică marca 2090 prin metoda aplicării alternative a deformării plastice și tratamentelor termice*, contract de cercetare UPB-MCT nr. 836/Act Ad. 1543/VII – A 54, 1997, Act Ad. 712 – A 54, 1998, **Responsabil de proiect: Vasilescu Marius (1997-1998).**

Pn 7 - *Cercetări privind elaborarea și optimizarea metodelor fotonice de caracterizare a straturilor subțiri*, contract de cercetare UPB-MCT nr. 836/Act Ad. 1 – B 13, 1996; /Act Ad. 712 – A 20, 1997, **Responsabil de proiect: Vasilescu Marius (1997-1998).**

Pn 8 - *Studii și cercetări privind anizotropia proprietăților în aliaje cu densitate mică având destinație specială*, contract de cercetare UPB-MCT nr. 836/Act Ad. 1 – B 36, 1996; /Act Ad. 712 – A 54, 1997, **Responsabil de proiect: Vasilescu Marius (1996-1997).**

Pn 9 - *Studii și cercetări privind obținerea în fază pilot a semifabricatelor deformate plastic din aliaje cu baza de Al-Li*, contract de cercetare UPB-MCT nr. 63 B, 1995; contract de cercetare UPB-MCT nr. 621 – A 20, 1996; contract de cercetare UPB-MCT nr. 621 – A 26, 1997, **Responsabil de proiect: Vasilescu Marius (1995-1997).**

Pn 10 - Studii si cercetari experimentale in faza semiindustriala asupra aliajelor cu baza de Al-Li, contract de cercetare UPB-MCT nr. 525 B, 1994-1995, **Responsabil de proiect: Vasilescu Marius (1994-1995).**

Pn 11 - Studii si cercetari privind aliaje speciale de aluminiu destinate constructiilor aerospatiale, contract de cercetare UPB-MCT, nr.55-92-2, 1992 ; contract de cercetare UPB-MCT nr. 1019 B/T-A7, 1993, **Responsabil de proiect: Vasilescu Marius (1992-1993).**

Pn 12 - Personalul didactic din sistemul de invatamant preuniversitar si universitar de stat - promotor al invatarii pe tot parcursul vietii - Proiect POSDRU 174/1.3/S/149155, ETS (2013-2014), **Coautor: Vasilescu Marius.**

Pn 13 - Materiale metalice avansate pentru noile generatii de centrale nucleare, 4R -NUCLEARMAT- Proiect Parteneriate PN-II-PT-PCCA- 243/2013, (2014-2017), **Coautor: Vasilescu Marius.**

Pn 14 - Comunitatea virtuală interuniversitară pentru știință, tehnică, inovare și valorificare a proprietății intelectuale - Proiect POSDRU 86/1.2/56872, FSE POSDRU 2007-2013, ETS (2007-2013), **Coautor: Vasilescu Marius.**

Pn 15 - Calitate, inovare, comunicare in sistemul de formare continua a didacticienilor din invatamantul superior - Proiect POSDRU 87/1.3/S/63709, FSE POSDRU 2007-2013, ETS (2007-2013), **Coautor: Vasilescu Marius.**

Pn 16 - Tehnologii integrate pentru realizarea unor materiale biocompatibile complexe –BIOCOMPLEXMAT, CONTRACT PNII-INOVARE nr. 115/2007, 2007-2010, **Coautor: Vasilescu Marius.**

Pn 17 - Tehnologii inovative de realizare a unor produse din aliaje tip permalloy competitive la export – PERMATECH, Contract PNII PARTENERIATE nr. 71-059/2007, 2007-2010, **Coautor: Vasilescu Marius.**

Pn 18 - Materiale multifunctionale cu efect bioactiv destinate implantologiei –MULTIBIOMAT, CONTRACT PNII-PARTENERIATE nr. 71-080/2007, 2007-2010, **Coautor: Vasilescu Marius.**

Pn 20 - Laborator de evaluare a conformitatii materialelor si produselor prin incercari spectrochimice de emisie in UV-VIZ (OES) si fluorescenta a radiatiilor X (XRF) –LECOMP-SPECTRO, CONTRACT CEEX, contract RENAR nr. 2673/2006, 2006-2008, **Coautor: Vasilescu Marius.**

Pn 21 - Tehnologii integrate in vederea obtinerii structurilor multistrat, pe suport de Cu, rezistente la temperaturi inalte, eroziune si contact cu metal lichid, cu destinatie speciala, CONTRACT CEEX, contract AMCSIT nr. 268/12.09.2006, 2006-2008, **Coautor: Vasilescu Marius.**

Pn 22 - Studii si cercetari experimentale privind deformabilitatea unor noi aliaje de aluminiu folosite in aeronautica, GRANT ANSTI, contract nr. 6111/2000 B32, 2000 – 2001, **Responsabil de proiect: Vasilescu Ioana,** **Coautor: Vasilescu Marius.**

Pn 23 - Studii si cercetari privind posibilitatile de obtinere si caracterizare a unor noi materiale metalice superplastice pentru electrotehnica, contract de cercetare UPB-MCT nr.836/1996 Act Ad.334/1999/II Tema B 62, 1999, **Coautor: Vasilescu Marius.**

Pn 24 - Cercetari privind determinarea caracteristicilor structurale, tehnologice si de exploatare ale unor noi materiale magnetice dure cu energii mai mari de 400 KJ/m³, contract de cercetare UPB-MCT nr.836/1996 Act Ad.334/1999/II Tema A 59, 1999, **Coautor: Vasilescu Marius.**

Pn 25 - Studii si cercetari privind obtinerea unor noi aliaje speciale, contract de cercetare UPB-MCT nr.836/1996 Act Ad.334/1999/II Tema B3, 1999, **Responsabil de proiect: Vasilescu Marius.**

Pn 26 - Studii si cercetari privind realizarea de etaloane spectrale destinate analizelor chimice ale unor aliaje utilizate in electrotehnica, contract de cercetare UPB-MCT nr.836/1996 Act Ad.334/1999/II Tema B58, 1999, **Coautor: Vasilescu Marius.**

Pn 27 - Studii si cercetari privind elaborarea si deformarea plastica si TT in faza semiindustriala a aliajelor Al-Li. Studii si cercetari privind structura si proprietatile aliajelor Al-Li realizate in faza semiindustriala, contract de cercetare UPB-MCT nr. 355, 1998, **Responsabil de proiect: Vasilescu Marius.**

Pn 28 - Studii si cercetari privind performantele aliajelor pe baza de Al si Ti pentru industria aeronautica, contract de cercetare UPB-MCT nr. 355/ B 4, 1997, **Responsabil de proiect: Vasilescu Marius.**

Pn 29 - Studii si cercetari privind fundamentarea metalografica a modelelor matematice ale proceselor tehnologice de tratamente termice si termochimice in vederea conducerii cu calculator, contract de cercetare UPB-MCT nr. 5001 C / B 181, 1993, **Coautor: Vasilescu Marius.**

Pn 30 - Studii si cercetari cu privire la intensificarea procesului de schimb de masa si caldura prin utilizarea curgerii ciclone a fazei gazoase in instalatii de incalzire metalurgice, contract de cercetare UPB-MCT nr. 1019 B/ A 10, 1993, **Coautor: Vasilescu Marius.**

Pn 31 - Studii si cercetari experimentale asupra fontelor albe inalt aliate cu structura modificata si rezistente la uzura, contract de cercetare UPB-MCT, 1992, **Coautor: Vasilescu Marius.**

Pn 32 - Cercetari teoretice si experimentale privind stabilirea metodicii de determinare a capacitatii de aschiere prin gaurire a otelurilor de scule rapide , elaborate la C.O.S.Tirgoviste, contract de cercetare UPB-MCT nr. 55-91-1, 1991, **Coautor: Vasilescu Marius.**

Pn 33 - Componenta pentru excavator ranforsata cu aliaje cu entropie ridicata - Proiect PNCDI2 INOVARE nr. 25 DPST/2013-2015, **Coautor: Vasilescu Marius.**

Pn 34 - Sistem mecatronic pentru producerea vibratiilor mecanice armonice cu efect de crestere a fortei si rezistentei musculare si a densitatii osoase - Proiect Bridge Grant PN-III-P2-2.1-BG-2016-0022, 2016-2018, **Coautor: Vasilescu Marius.**

Pn 35 - Antreprenor - idei de afaceri de succes si dezvoltarea antreprenoriatului in regiunile Bucuresti-Ilfov si sud-vest oltenia - Proiect POSDRU 176/3.1/S/150650, ETS, 2015, **Coautor: Vasilescu Marius.**

Pn 36 - Instalatie pentru obtinerea prin levitatie in atmosfera inerta a aliajelor bio-compatibile usoare de inalta puritate – BIOLEV -Proiect 14PTE/2016, 2016-2018, **Coautor: Vasilescu Marius.**

Pn 37 - Aliaj refractar rezistent la coroziune X10 NiCrAlTi 3220 – NONCORO – Proiect 48PTE/2016, 2016-2018, **Coautor: Vasilescu Marius.**

P 38 - Sisteme de protectie individuala si colectiva pentru domeniul militar pe baza de aliaje cu entropie ridicata - UEFISCDI 22PCCDI/2018, 2018-2020, Director proiect Geanta Victor, **Coautor: Vasilescu Marius.**

P 39 - Sistem mecatronic pentru controlul centrului de masa la persoanele cu dizabilitati locomotorii - contract nr. 17PTE/2020-UEFISCDI, 2020-2022, Director proiect SEICIU PETRE LUCIAN, **Coautor: Vasilescu Marius.**

P 40 - Dezvoltarea si acreditarea laboratorului de analize ecologice si metalurgice privind stabilirea si limitarea nivelului factorilor de poluare a mediului in sectoarele metalurgice si conexe, CEEX, contract RENAR nr. 281/2006, 2006-2008, Director proiect 2006-2007 COSMELEATA GEORGETA, **Responsabil de proiect 2008: Vasilescu Marius.**

P 41 - Tehnologii avansate de mediu pentru reducerea poluarii rezultate din deversarea efluentilor specifici industriei energetice, utilizand materiale carbonice active cu precursori indigeni ieftini - CARBPOL, CEEX, contract AMCSIT nr. 287/2006, 2006-2008, **Coautor: Vasilescu Marius.**

F – Alte lucrări de cercetare – dezvoltare

Obs.-a se menționa calitatea de responsabil/director sau coautor.

VII. COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

E – Lucrări prezentate la diferite seminarii/expoziții, conferințe, etc.

E 1 - M. Vasilescu, I. Vasilescu, A. Cojocaru, T. Visan, *The study by gravimetric method and pitting test on corrosion behavior of some Al-Cu-Mg superalloys*, **International Conference on Corrosion and Modern Technologies in the Military – ICCMTM 2008**, Bucharest, November 5-8, 2008, paper 38, UPB - Academia Tehnica Militara Bucuresti, www.iccmtm2008.itc.ro/org.htm.

E 2 - G. Cosmeleata, I. Gherghescu, V. Manoliu, C. Lungu, R. Paunescu, S. Ciuca, I. Ivan, **M. Vasilescu**, Gh. Gherghisor, *Influence of thermal barrier type ceramic layer's chemical composition on their porosity and adherence*, **Conference Excellence Research – A way to innovation-**, Brasov, 27-29.07.2008.

E 3 - T. Vasile, **M. Vasilescu**, C. Patric, M. Popescu, *About the Nature of Particularities Covering the surface of Thin Film Obtained by Reactive Pulsed Laser Deposition*, **International Simposion on Friction, Wear and Wear Protection**, Aachen, Germany, 9-11.04.2008, 2008.

E 4 - T. Vasile, **M. Vasilescu**, C. Patric, M. Popescu, *Carbon Nitride Films Deposited by Reactive Laser Ablation*, **International Simposion on Friction, Wear and Wear Protection**, Aachen, Germany, 9-11.04.2008, 2008.

E 5 - M. Dobrescu, **M. Vasilescu**, I. Vasilescu, *Foundry aluminium alloys. Processing. Classification and EN norms*, 4th International Conference – **Processing and Structure of Materials 2010**, University of Belgrade Faculty of Technology and Metallurgy, Palic, Serbia, 27-29 May, 2010, www.psm.org.rs.

E 6 - M. Vasilescu, M. Dobrescu, I. Vasilescu, *The effect of processing and intermetallic compounds on the structure and properties of magnesium based alloys*, **European Simposium on Superalloys EuroSuperalloys 2010**, Widbad Kreuth, Germany, 25-28 May, 2010, www.dgm.de/dgm/superalloys/, http://webdb.dgm.de/dgm_lit/prg/.

E 7 - M. Dobrescu, S. Dimitriu, **M. Vasilescu**, *Studies concerning pollution control, waste recovery and materials recycling in ferrous and nonferrous metallurgy*, **4th International Simposium Recycling Technologie and Sustainable Development-4th SRTOR 2009**, University of Belgrade-Technical Faculty Bor, Kladovo, Serbia, 3-6 November, 2009, www.srtor.tf.bor.ac.rs.

E 8 - T. Vasile, **M. Vasilescu**, *Considerations about the obtaining of TiC-Mo₂C complex carbide*, 16th INTERNATIONAL PLANSEE Seminar 2005, **PLANSEE 2005**, Reutte, Austria, 30 Mai-03 Iunie, 2005.

E 9 - M. Vasilescu, I. Vasilescu, *The Cold Rolling of 2090 Aluminium-Lithium Alloys*, **30th EUROPEAN ROTORCRAFT FORUM**, CD-ROM, Marseilles, 2004.

E 10 - M. Vasilescu, L. Alecu, I. Vasilescu, *Studies and research about the actual study of superconductor materials*, **Proceedings of 30th EUROPEAN ROTORCRAFT FORUM**, CD-ROM, Marseilles, 2004.

E 11 - M. Vasilescu, I. Vasilescu, T. Vasile, *The precipitation of Al-Li based alloys*, **European Congress on Advanced Materials and Processes, Proceedings of EUROMAT 2003**, Lausanne, 1-5 Septembrie, 2003.

E 12 - T. Vasile, F. Hlavka, **M. Vasilescu**, D. Goran, *The forming of aluminium carbides through laser deposit*, **EUROMAT 2003**, Lausanne, 1-5 Septembrie, 2003.

E 13 - T. Vasile, M. Philipp Denier, **M. Vasilescu**, M. Grama, *Research about the behaviour of biocompatible materials (stainless steels 304L and 316L, and Ti6Al4V alloy) at corrosion*, **EUROMAT 2003**, Lausanne, 1-5 Septembrie, 2003.

E 14 - M. Vasilescu, M. Dobrescu, I. Vasilescu, *The Influence of Heat Treatments on Mechanical Properties of Titanium Alloys Previous Treated by Shot-Peening*, **10 World Conference on Titanium -2003**, 13-18 July, 2003, Hamburg, Germany, DGM.

E 15 -

OBSERVAȚII

- a) - În categoriile II, III și IV se includ numai lucrările deja publicate sau aflate în procesare în edituri, respectiv nu se includ lucrările în manuscris sau alte lucrări (comunicări, referate tematice, etc.). Articolele/studiile în curs de publicare, justificate cu documente, nu vor depăși 10% din total.
- b) Lucrările reeditate care nu includ contribuții noi ale candidatului și lucrarea de bază (inițială) se înregistrează sub același indicativ, precizându-se la fiecare numărul ediției.
- c) Articolele/studiile publicate în reviste sau volumele unor manifestări științifice, reluate de alte publicații, vor fi înregistrate o singură dată, la poziția inițială, cu menționarea reluărilor/reeditărilor.
- d) Recenziile/rezumatetele unor lucrări, apărute în alte publicații, vor fi înregistrate la poziția lucrării inițiale, cu menționarea acestora (nu vor fi poziții separate).

- e) Fiecare lucrare este descrisă în limba în care a fost realizată (publicată, prezentată), titlul fiind scris italic
- f) Autorii vor fi prezentați, în totalitate, în ordinea din publicație, cu sublinierea *candidatului*.
- g) Se vor specifica editura, revista sau manifestarea și/sau alte elemente de localizare, cu menționarea intervalului de pagini din publicație, numărul total de pagini sau alte date similare (după caz), anul sau perioada de realizare.