

Curriculum vitae Europass



Informatii personale

Nume | Prenume **VLAD MARIA**
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Nationalitate(-tati) Romana
Data nasterii 03.12.1951
Sex F

Locul de munca vizat | Domeniul ocupational

Universitatea "Dunarea de Jos" din Galati

Experienta profesionala

Perioada 1978 - Prezent
Functia sau postul ocupat Profesor universitar doctor
Conferentiar doctor
Sef lucrari doctor
Asistent

Activitati și responsabilitati principale

Cercetare fundamentala si aplicativa, programe internationale, Invatamant si cercetare

Cursuri:

- Elaborarea si turnarea aliajelor neferoase, din 1983-2016;
- Procese unitare In metalurgie, din anul 1991-1999;
- Tehnologii metalurgice, in perioada 1983-1990;
- Prelucrarea si valorificarea deșeurilor nemetalice, din anul 2000-2016;
- Bazele proceselor de prelucrare si valorificare a deseurilor din anul 2000-2016;

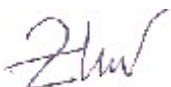
Acorduri de colaborare bilaterala pentru stagii didactice pentru studenti și cadre didactice Erasmus I Socrates cu Katholieke Universiteit Leuven, Belgia, perioadele 2005-2009, 2009-2014

Cercetare fundamentala si aplicativa in directiile:

- Obținerea și caracterizarea a noi materiale metalice cu proprietati fizico-mecanice speciale, prin aliere microalierea metalelor sau a aliajelor neferoase;
- Studiul proprietatilor fizico-chimice și termodinamice a diferite sisteme binare, ternare sau multi-componente, care stau la baza elaborarii aliajelor neferoase;
- Managementul mediului și al deșeurilor;
- Realizarea de straturi protectoare pe suport metalic, prin imersie in topituri, prin metode chimice sau electrochimice si studiul rezistentei la coroziune in medii puternic corozive si la temperaturi ridicate
- Reciclarea materialelor refofosibile din industrie sau a deseurilor municipale, tratarea apelor reziduale, Programe internationale: Proiecte Europene COST

Numele și adresa angajatorului

Universitatea Dunarea de Jos din Galati, Facultatea de inginerie, Str.
Domneasca nr 47, 800008 Galati



Tipul activitatii sau sectorul de activitate

invatamant universitar cercetare

Perioada

1998 -prezent Profesor

07.12.2009: Conducator de doctorat

01.09.2016-01.09.2020: Profesor asociat la Facultatea TSUEI

01.09.2014-01.09.2016: Profesor la Facultatea de Inginerie

1998– 01.09.2014: Profesor la Facultatea de Ingineria Materialelor si a Mediului 1995 -1998: Conferentiar la Facultatea de Metalurgie si Stiinta Materialelor;

1983 -1995: Șef de lucrari Facultatea de Metalurgie si Știinta Materialelor;

1978 -1983: Asistent universitar la Catedra Metalurgie, Facultatea de Mecanica;

01.10.1998 + 14.12.1998: Activitati didactice si de cercetare in domeniul Ingineria materialelor, in cadrul unui program Phare (Individual Mobility Grant 97 RO 1042) la Faculdade de Ciencias e Tecnologia, Departamento de Ciencia dos Materiais, Universidade NOVA de Lisboa Portugal;

19.04.1997 + 30.05.1997 Profesor asociat la Mechanical Engineering Department of Hubei Polytechnic University, China, in cadrul Programului bilateral dintre Universitatea din Galati si Universitatea Politehnica Hubei.

17.11.1992+ 28.02.1993: Activitati de cercetare in domeniu metalelor si aliajelor neferoase la Facultatea de Metalurgie din Universitatea Miskolc Ungaria.

Perioada

19.04.1997 -30.05.1997

Calificarea I diploma obtinuta

Certificat Academic de la Hubei Polytechnic University China

Numele și tipul institutiei de Invatamant
I furnizorului de formare

Hubei Polytechnic University, China

Perioada

1989 - 1994

Calificarea I diploma obtinuta

Doctor In Științe Inginerești al Universitatii "Dunarea de Jos" din Galati, domeniul Metalurgie neferoasa si prepararea minereurilor.

Titlul tezei: Cercetari privind microalierea aliajelor cu baza cupru

Numele și tipul institutiei de Invatamant
Perioada

Universitatea "Dunarea de Jos " din Galati

1970-1975

Calificarea I diploma obtinuta

Diploma de inginer, Facultatea de Metalurgie, Specializarea: Metalurgia metalelor neferoase

Numele și tipul institutiei de Invatamant

Institutul Politehnic București, Romania

Aptitudini și competente personale

Limba(i) materna(e)
Limba(i) straina(e)
cunoscuta(e)

Romana

Autoevaluare
Nivel european (*)

intelegere		Vorbire		Scriere
Ascultare	Citire	Participare la conversatie	Discurs oral	Exprimare scrisa
Engleza	C1	C1	C1	C1
Franceza	A2	A2	A2	A2

Competente și abilitati sociale

- spirit de echipa.
- Adaptabilitate buna de lucru In medii multiculturale dobandita din experienta de lucru In Invatamant scercetare la universitati din Ungaria, Portugalia, China, și Belgia.
- Capacitate buna de comunicare dobandita din experienta de participare In proiecte nationale si europene ca si coordonator sau membru in echipe de cercetare

Competente și aptitudini organizatorice
academic:

Management

- Conducator de doctorat, 2009-prezent;
- Membru in Senatul Universitatii "Dunarea de Jos" Galati, in perioada 2005-2012;
- Membru in Consiliului Profesor al Facultatii de Met. Stiinta mat si Med., din 1983 - 2015
- Director departament Ingineria Mediului si Sisteme Tehnologice Metalurgice, din 2011-2015
- Sef catedra ,Ingineria Mediului si Materiale, din 2006-2011;
- Director al Centrului de Cercetare ,Calitatea Materialelor si a Mediului", perioada 2005 -2006;
- Prodecan al Facultatii de Metalurgie si Stiinta Materialelor, 1999-2000;
- Secretar stiintific, Facultatea de Metalurgie si Stiinta Materialelor, 1996-1999;

Competente și aptitudini tehnice

Dezvoltarea de noi cursuri tehnice, prezentarea de lucrari stiintifice la conferinte internationale
Competente foarte bune In aparatura pentru studiul proprietatilor fizico-chimice ale topiturilor metalice, studiul materialelor, spectrometrie, microscopie, etc.
Membru in Comitetul Stiintific sau in Comitetul de organizare a unor conferinte internationale
Chairman la simpozioane, conferinte, workshopuri nationale si internationale

Competente și aptitudini de utilizare a
calculatorului

Competente tehnice foarte bune In lucrul cu
calculatorul: Microsoft Office, Word, Excel,

Alte competente și aptitudini

Membru al asociatiilor profesionale:

- Membru al Balkan Environmental Association (BENA), din 2009-2011; www.gen.teithe.gr-bena
- Membru al Societatea Romana de Chimie, din 1998, www.schr.org.ro
- Membru al "Asociatiei Generale a Inginerilor din Romania" (A.G.I.R.);
office@agir.ro

Expertiza si recunoastere nationala si internationala:

- Evaluator ARACIS - domeniul Ingineria mediului; www.fseromania.ro
- Membru in Comisia Nationala de Echivalare a Diplomelor (CNED-MECT)
- Viziting professor la KU Leuven
- Membru in Consiliu Profesor al Facultatii de Ingineria Materialelor si a Mediului;
- Membru in Comisia pentru evaluarea si asigurarea calitatii;
- Membru in comitetul de redactie al Revistei Analele Universitatii "Dunarea de Jos" Galati, Fascicula IX, Metalurgie si Stiinta, Materialelor, Anul XVIII(XXIII), (http://www.cncsis.ro/2006_evaluare_rev.php;
- Referent stiintific Incepand cu anul 2009 la Revista Metalurgia International, cotata ISI www.isinet.com position <http://lscientific.thomson.com/cgi-bin/ljmlstljresults.cgi>)
- Referent stiintific Incepand cu anul 2009 la Revista Metalurgia; www.isinet.com
- Referent stiintific la 12 teze de doctorat sustinute in Romania.
- Referent stiintific la doua carti din domeniul stiinta si ingineria materialelor si a mediului

Informatii suplimentare

- 8 carti publicate in edituri centrale, in domeniile: metale si aliaje neferoase si ingineria mediului
- Premiul Traian Vuia al Academiei Romane in anul 1987
- 146 articole din domeniile: materiale, mediu, chimie
- proiectel granturilor contracte: 48

Anexe

1. Lista carti publicate
2. Lista articole publicate
3. Lista proiectel granturilor

1. LISTA CARTI PUBLICATE

■ Carti publicate

1. Radu Tamara, **Vlad Maria**, Gelu Movileanu, Marius Bodor, **Managementul riscului de mediu**, ISBN 978-606-696-027-4 Editura Galati University Press, 2015, 315 pag.
- 2 **Vlad Maria**, **Managementul apelor industriale**, ISBN 978-973-627-424-4, Editura Fundatiei Universitatea "Dunarea de Jos" Galati, Romania, 2008, 163 pag.
- 3 **Vlad Maria**, Radu Tamara, **Metalurgia metalelor neferoase grele**, ISBN 973-627-127-7, Editura Fundatiei Universitare "Dunarea de Jos" Galati, Romania, 2004, 300 pag.
- 4 **Vlad Maria**, Varga Bela, Carcea Ion, Chiriac Alexandru, **Bazele elaborarii aliajelor neferoase**, ISBN-973-9340-63-1, Editura LUX LIBRIS, Brasov, Romania, 1998, 229 pag.
- 5 **Vlad Maria**, **Advanced metallic materials**, ISBN 973-9732-03-1, Editura Macarie, Targoviste, Romania, 1998, 117 pag.
- 6 Florea Oprea, **Vlad Maria**, **Procese unitare in metalurgie**, ISBN-973-9372-04-X, Editura Macarie, Targoviste, Romania, 1998, 350 pag.
- 7 Chiriac Alexandru, **Vlad Maria**, **Teoria proceselor de formare**, ISBN-973-9499-32-5, Editura EVRIKA, Braila, Romania, 1997, 237 pag.
8. Dragomir Ștefan, **Vlad Maria**, **Echipeamente si instalatii pentru stocarea, procesarea si recuperarea deseurilor**, Editura Universitatea "Dunarea de Jos" Galati, Romania, 2001, 250 pag.

2. LISTA ARTICOLE

■ Publicatii in reviste ISI (selectate): 28

1. Laurentia Geanina Tiron, Stefan Catalin Pintilie, Andreea Liliana Lazar, **Maria Vlad**, Stefan Balta*, Marius Bodor, *Influence of Polymer Concentration on Membrane Performance in Wastewater Treatment*, MATERIALE PLASTICE, 55, No. 1, 2018, pag 95-98, <http://www.revmaterialeplastice.ro>, Impact Factor: 1,248.
2. Stefan Catalin Pintilie, Laurentia Geanina Tiron, Andreea Liliana Lazar, **Maria Vlad**, Iulian Gabriel Birsan*, Stefan Balta*, *The Influence of ZnO/TiO₂ Nanohybrid Blending on the Ultrafiltration Polysulfone Membranes*, MATERIALE PLASTICE, 55, No. 1, 2018, pag 54-62, <http://www.revmaterialeplastice.ro>, Impact Factor: 1,248
3. Maria Iuliana Marcus, Mihaela Andreea Mitiu, **Maria Vlad**, Mariana Mincu, Gina Ghita, Ana maria Anghel, *Influence of different electroplating sludge types on the iron ions recovery yield*, Revista de chimie, no.312018, volum 69, pag.618-620, <http://www.revistadechimie.ro>, Impact Factor: 1.232.
4. Mihaela Andreea Mitiu, Maria Iuliana Marcus, **Maria Vlad**, Cristina Mihaela Balaceanu, *Stability of ceramic glazes obtained by valorification of anorganic pigments extracted from electroplating sludge*, Revista de chimie, no.312018, volum 69, pag.571-574, <http://www.revistadechimie.ro>, Impact Factor: 1.232.
5. M.I. Marcus, **M. Vlad**, M.A. Mitiu, A.M. Anghel, F. Marinescu, L. Laslo, M. Ilie, R. Szep, G. Ghita, M. Matei, E. Holban, F. D. Dumitru, *Recovery of galvanic sludge by physicochemical mechanisms*, *Journal of Environmental Protection and Ecology* 18, No 3 p.1117-1126 (2017), ISSN 1311-5065, www.scifulcom.net, Impact Factor: 0,679
6. Ilenuta Severin, **Maria Vlad**, *The influence of the properties of the material used for obtaining geopolymers on their structure and compressive strength*, Revista de chimie, no.612017, volum 68, pag.1282-1187, <http://www.revistadechimie.ro>, Impact Factor: 1.232.
7. Jiuyang Lin, Wenyan Ye, Marian-Cornel Baltaru, Yu Pan Tang, Nicole J. Bernstein, Peng Gao, Stefan Balta, **Maria Vlad**, Alexander Volodin, Arcadio Sotto, Patricia Luis, Andrew L. Zydney, Bart Van der Bruggen, *Tight ultrafiltration membranes for enhanced separation of dyes and Na₂SO₄ during textile wastewater treatment*, *Journal of Membrane Science*, May 2016, DOI: 10.1016/j.memsci.2016.04.057, Impact Factor: 5.557
8. Vasile BASLIU, **Maria Vlad**, Gelu Movileanu, *Composites with technological role by embedding granular particles of FeTi₃O into a metallic matrix*, *Journal of Science and Arts*, nr 4(37), 2016, ISSN 1844-9581; eISSN 2068-3049, pp.79-84, www.josa.ro, Global Impact Factor: 0,675

9. Marius Bodor, Rafael M. Santos, Geanina Cristea, Muhammad Salman, Ozlem Cizer, Remus I. Iacobescu, Yi Wai Chiang, Koenraad Van Balen, **Maria Vlad**, Tom Van Gerven *Laboratory investigation of carbonated BOF slag used as partial replacement of natural aggregate in cement mortars*, Cement and Concrete Composites 65:55-65, January 2016, DOI: [10.1016/j.cemconcomp.2015.10.002](https://doi.org/10.1016/j.cemconcomp.2015.10.002) , Impact Factor: 3.33

10. T. Radu , **M. Vlad**, F. Potecasu G.G. Istrate, Preparation and characterization of electroless Ni-P-Al₂O₃ nanocomposite coatings , Digest Journal of Nanomaterials and Biostructures , 10(3):1055 - 1065-September 2015, ISSN: 1842-3582, Impact Factor: 0,756

11. Jiuyang Lin, Wenyuan Ye*, Jie Huang, Borrego Ricard, Marian-Cornel Baltaru, Benjamin Greydanus, Stefan Balta, Jiangnan Shen*, **Maria Vlad**, Arcadio Sotto, Patricia Luis, and Bart Van der Bruggen, Toward Resource Recovery from Textile Wastewater: Dye Extraction, Water and Base/Acid Regeneration Using a Hybrid NF-BMED Process, ACS Sustainable Chemistry & Engineering 3(9):pp 1993-2001 · August 2015, DOI: [10.1021/lacssuschemeng.5b00234](https://doi.org/10.1021/lacssuschemeng.5b00234), Impact Factor: 5,78

12. Marius Bodor, Rafael M. Santos, Yi Wai Chiang, **Maria Vlad**, Tom Van Gerven. Impacts of Nickel Nanoparticles on Mineral Carbonation, The Scientific World Journal, vol. 2014, Article ID 921974, 10 pages, 2014, DOI: [10.1155/2014/921974](https://doi.org/10.1155/2014/921974), impact factor 1,219.

7. Rafael M. Santos, Marius Bodor, Paul N. Dragomir, Andreea G. Vraciu, **Maria Vlad**, Tom Van Gerven, *Magnesium chloride as a leaching- and aragonite-promoting additive for the mineral carbonation of calcium-rich materials*, Minerals Engineering Journal, 59 (2014) 71-81 , <https://www.journals.elsevier.com/minerals-engineering/>, Impact factor: 1,714

13. Marius Bodor, Rafael M. Santos, Lubica Kriskova, Jan Elsen, **Maria Vlad**, Tom Van Gerven, *Susceptibility of mineral phases of steel slags towards mineral carbonation: mineralogical, morphological and chemical assessment*, European Journal of Mineralogy, 2013, 25, 533-549 DOI: [10.1127/0935-1221/1201310025-2300](https://doi.org/10.1127/0935-1221/1201310025-2300), Impact factor: 1,506

14. **M. Vlad**, T. Radu, O. Mitoseru, F. Potecasu, *Environment Quality Improvement at Hot-dip Galvanization and the Recycling of Zinc By-products*, Journal of Environmental Protection and Ecology 12, No 3A, p. 1415-1423(2011), ISSN 1311-5065, www.scibulcom.net., Impact factor: 0,774.

15. **M. Vlad** , A. Chiriac , S. Constantinescu , S. Balta, *Removal of the Pollutants from Waste water Through Coagulation-flocculation Process*, Journal of Environmental Protection and Ecology 12, No 3A, p.1517-1524 (2011), ISSN 1311-5065, www.scibulcom.net., Impact factor 0,774.

16. L. Moraru, **M Vlad**, *Nucleation of crystals in under cooled molten aluminium*, Revista de Chimie, Bucharest-, 2007, vol 58; part 2, pag. 129-132, ISSN 0034-7752 <http://www.revista.dechimie.ro/roarhiva.asp?lim=ro&rev=ch>. Impact factor 1,232.

Publicatii in reviste ISI proceedings (selectate): 14

1. *Laurentia Geanina Tiron, Maria Vlad, Ștefan Balta, Research on hydrophilic nature of polyvinylpyrrolidone on polysulfone membrane filtration*, IOP Conf. Series: Materials Science and Engineering, 374 (2018) 012059, doi: [10.1088/1757-899X/374/1/012059](https://doi.org/10.1088/1757-899X/374/1/012059)

2. *Laurentia Geanina TIRON, Eliza DANAILA, Gina Genoveva ISTRATE, Ștefan BALTA, Maria Vlad, Retention capacity of polysulfone membrane in wastewater treatment*, Nano, Bio, Green and Space - Technologies for a Sustainable Future, SGEM 2018, International Multidisciplinary Scientific GeoConference-SGEM, Vol. 18 Issue 6.1 (2018) 433-440, ISSN 1314-2704, ISBN 978-619-7408-50-8, doi: [10.5593/sgem2018/6.1](https://doi.org/10.5593/sgem2018/6.1)

3. *Laurentia Geanina TIRON, Ștefan Catalin PINTILIE, Maria VLAD, Iulian - Gabriel BIRSAN, Ștefan BALTA, Characterization of polysulfone membranes prepared with thermally induced phase separation technique*, IOP Conf. Series: Materials Science and Engineering, Vol. 209(1), 2017, ISSN: 17578981, doi: [10.1088/1757-899X/209/1/012013](https://doi.org/10.1088/1757-899X/209/1/012013).

4. *Laurentia Geanina TIRON, Ștefan Catalin PINTILIE, Maria VLAD, Ștefan BALTA, Andreea Liliana LAZAR, The influence of the polysulfone concentration on membrane retention properties*, Ecology, Economics, Education And Legislation Conference Proceedings, SGEM 2017, International Multidisciplinary Scientific GeoConference-SGEM, Vol.II, pg.391-398, 2017, ISSN1314-2704, doi: [10.4028/www.scientific.net/AMR.1143.79](https://doi.org/10.4028/www.scientific.net/AMR.1143.79)

5. *Laurentia Geanina TIRON, Marius BODOR, Maria VLAD, Ștefan BALTA* , The influence of manufacturing factors on the polysulfone membrane properties , Conference: International Multidisciplinary Scientific Geoconferences SGEM 2016, at Albena, Bulgaria, Volume: Book 4, Volume II, pag.157-164, ISSN: 1314-2704, DOI: [10.5593/SGEM2016/B42/S18.021](https://doi.org/10.5593/SGEM2016/B42/S18.021)

6. *Vasile BASLIU, Maria Vlad, Gelu Movileanu, Obtaining composite materials with technological role by incorporating granular particles in metal matrix*. 7th Conference on Material Science & Engineering - UGALMAT 2016, mai 19 - 21, 2016, Advanced Materials Research ISSN: 1662-8985, Vol. 1143, pp 79-84, doi: [10.4028/www.scientific.net/AMR.1143.79](https://doi.org/10.4028/www.scientific.net/AMR.1143.79), © 2017 Trans Tech Publications, Switzerland

7. *Maria Iuliana Marcuș, Maria Vlad, A. Mihaela Mifiu, Influence of Different Galvanic Sludge Types on the Extraction Efficiency of Chromium Ions*, , Advanced Materials Research ISSN: 1662-8985, Vol. 1143, pp 108-114, doi: [10.4028/www.scientific.net/AMR.1143.79](https://doi.org/10.4028/www.scientific.net/AMR.1143.79), © 2017 Trans Tech Publications, Switzerland

8. *L. Balint, M. Vlad, D. Dima, I. S. Balint, Characterization of the emulsions used for cold rolling steel strips with the view of their valorisation*, 14th SGEM GeoConference on Energy and Clean Technologies, www.sgem.org, SGEM2014 Conference Proceedings, ISBN 978-619-7105-16-2 | ISSN 1314-2704, June 19-25, 2014, Vol. 2, 43-50 pp.

9. **Vlad Maria**, Movileanu Gelu, Radu Tamara, Constantinescu Stela, Balint Simion, Florea Gheorghe, *Immobilization of waste with metal content in the vitreous matrix*, www.sgem.org, SGEM 2012 Conference Proceedings/ ISSN 1314-2704, June 17-23, 2012, Albena, Bulgaria,

10. **Vlad Maria**, Munteanu Viorel, Balint Lucica, Movileanu Gelu, Bodor Marius, *Environmental pollution control in coking plants situated in proximity of urban areas*, SGEM2012 Conference Proceedings/ ISSN 1314-2704, June 17-23, 2012, Albenă, Bulgaria, http://dx.doi.org/10.5593/SGEM_GeoConference, Vol 4, p303-310.

11. **Maria Vlad**, Gelu Movileanu, Tamara Radu, Lucica Balint, *Recycling of zinc by products* www.sgem.org, SGEM2011 Conference Proceedings/ ISSN 1314-2704, June 20-25, 2011, Vol. 3, p. 875-882, Albenă, Bulgaria, DOI:10.5593/sgem2011/s18.109, www.crossref.org, 10.5593/SGEM_GeoConference.

■ Publicatii in reviste nationale si internationale (BDI)•selectate: 32

1. **Maria-Luliana Marcus, Maria Vlad**, Gyorgy Deak, Andreea Moncea, Ana-Maria Panait, Gelu Movileanu, *Thermal stability of inorganic pigments synthesized from galvanic sludge*, Rev. Chim. (Bucharest), Vol. 71, Issue 8 (2020), ISSN: 0034-7752, <https://doi.org/10.37358/RC.71.20>, p.13-20

2. **Laurentia Geanina TIRON, Maria VLAD, Ștefan Catalin PINTILIE, Ștefan BALTA**, *Research on obtaining and characterization of polymeric membranes for wastewater treatment*, The Annals Of "Dunarea De Jos" University Of Galati Fascicle IX. Metallurgy And Materials Science, No. 2, ISSN 1453 - 083X, 2016, <https://scholar.google.ro>

3. **Ilenuta SPATARU (SEVERIN), Maria VLAD, Constantin GHEORGHIȘ- Gelu MOVILEANU**, *Characterization of the Red Mud Resulted from the Alumina Bayer Process Production for the Future Use in Geopolymers Synthesis*, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI. FASCICLE IX. METALLURGY AND MATERIALS SCIENCE, ISSN 1453 - 083X, vol 1, 2014, pag. 13-18, <https://scholar.google.ro>.

4. **Ilenuta SEVERIN (SPATARU), Maria VLAD**, *Geopolymers Obtained With Red Mud From Alumina Manufacturing*, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI. FASCICLE IX. METALLURGY AND MATERIALS SCIENCE, ISSN 1453 - 083X, vol 2, 2014, pag. 45-48, <https://scholar.google.ro>.

5. **Tamara RADU, Maria VLAD, Gelu MOVILEANU**, *Environmental risk management in a siderurgical slag dump*, Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Metallurgy and Materials Science special ISSUE, 2013, ISSN 1453 - 083X, pag.153-157, <https://scholar.google.ro>.

6. **Stefan DRAGOMIR, Maria VLAD**, *Low energy consumption of an modern ecological habitat*, Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Metallurgy and Materials Science special ISSUE, 2013, ISSN 1453 - 083X, pag 138-143, <https://scholar.google.ro>.

7. **Gelu Movileanu, Maria VLAD, Tamara Radu, Stefan Dragomir**, *Research concerning the impact of the pollution on water and soil resources from Danube Delta*, Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Metallurgy and Materials Science special ISSUE, 2013, ISSN 1453 - 083X, pag 235-241, <https://scholar.google.ro>.

8. **Vlad Maria**, Movileanu Gelu, Marcus Iuliana, Florea Gheorghe, Cantaragiu Alina, *Neutralization of hazardous waste in vitreous mass of glass*, The Annals of "Dunarea de Jos" University of Galati, Fascicle IX Metallurgy and Materials Science, ISSN1453-083X June 2012, no 2, pag. 20-24. <http://www.csa>.

9. **Constantinescu Stela, Vlad Maria, Tamara RADU**, *Characterization of CVD niobium carbide coatings on hard carbide substrate* Annals of "Dunarea de Jos" University of Galati, Fascicle IX Metallurgy and Materials Science, ISSN1453-083X June 2012, No 2, ISSN 1453-083X, pag. 51 <http://www.csa>,

10. **Ștefan DRAGOMIR, Maria VLAD** - *Cleaning waste water of the continuous steel casting*, Annals of "Dunarea de Jos" University of Galati, Fascicle IX Metallurgy and Materials Science, ISSN1453-083X June 2012, no 2, ISSN 1453-083X, pag 166, <http://www.csa>,

11. **Maria Vlad**, *Research on the pollution of underground waters in a certain part of Galati district*, The Annals of "Dunarea de Jos" University of Galati, Fascicle IX Metallurgy and Materials Science, ISSN1453-083X, May 2011, special issue pag.37-45, ISSN 1453-083X, www.fmet.ugal.ro, <http://www.csa>.

12. **Radu Tamara, Vlad Maria**, *Zinc coatings on steel substrate attained by different elements added*, Vol.18 TEHNOMUS, - New Technologies and Products in Machine Manufacturing Technologies, ISSN 1224 029X, Edit. Universitatii Stefan cel Mare din Suceava, 2011, pag.113-138, www.tehnomusjournal.fim.usv.ro, <http://www.scipio.ro>.

13. **Maria Vlad**, Olga Mitoseru, Stela Constantinescu, Emil Stratulat, *Improvement of steel sheet corrosion resistance by thermic coverage method with zinc-aluminium alloys*, Annals of "Dunarea de Jos" University of Galati, Fascicle IX Metallurgy and Materials Science, Anul XVIII(XXIII), No. 2 - 2007 , pag.67-72, ISSN 1453-083X, http://www.cncsis.ro/2006_evaluate_rev.php, <http://www.csa>.

14. **Maria Vlad**, Elisabeta Vasilescu, *Superficial tension of liquid copper with small content of oxygen*, Annals of "Dunarea de Jos" University of Galati, Fascicle IX Metallurgy and Materials Science, Anul XVIII(XXIII), 2006, pag.67-71, ISSN 1453-083X, http://www.cncsis.ro/2006_evaluate_rev.php, <http://www.csa>.

15. Maria Vlad, *Thermodynamic assesment of the Cu - Ti system in microalloyed copper base alloys*, Annals s of „Dunarea de Jos” University of Galati, Fascicle IX Metallurgy and Materials Science, Anul XVIII (XXIII), 2006, pag., ISSN 1453-083X, http://www.cncsis.ro/2006_evaluate_rev.php, <http://www.csa>.

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1. L G Tiron, **M Vlad** and Ş Balta, *Research on Hydrophilic Nature of Polyvinylpyrrolidone on Polysulfone Membrane Filtration*, Euroinvent ICIR 2018, IOP Conference Series: Materials Science and Engineering, Volume 374 (2018) 012059 doi:10.1088/1757-899X/374/1/012059

2. Marius Bodor, Rafael M. Santos, Geanina Cristea, Muhammad Salman, Ozlem Cizer, Remus I. Iacobescu, Yi Wai Chiang, Koenraad Van Balen, **Maria Vlad**, Tom Van Gerven, *Utilization of Carbonated BOF Slag as Partial Replacement of Aggregate in Cement Mortars* Conference: Fifth International Conference on Accelerated Carbonation for Environmental and Material Engineering, June 21-24, 2015 - New York City, United States, DOI: 10.13140/IRG.2.1.3779.5682

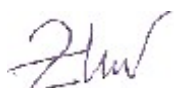
3. Bodor Marius, Santos Rafael, Kriskova Lubica, Elsen Jan, **Vlad Maria**, Van Gerven Tom, *Synthesis of selected mineral compounds for in-depth analysis of steel slags during carbonation*, Proceedings of the Third International Slag Valorisation Symposium (The transition to sustainable materials management), pag. 307-310, 2013, ISBN 978-94-6018-637-0.

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5. M. Bodor, R. M. Santos, L. Kriskova, J. Elsen, **M. Vlad**, T. Van Gerven, *Mineralogical and morphological assessment of carbonated steel slags and synthesized minerals*, In Proceedings of Four International Conference on Accelerated Carbonation for Environmental and Materials Engineering, Leuven, Belgia, 9-12.04.2013, pag. 235-244

6. R M. Santos, M. Bodor, J. Van Bouwel, L. Kriskova, J. Elsen, **M. Vlad**, T. Van Gerven, *Mineralogical effects on the intensified mineral carbonation of steel slags: kinetics, conversion, basicity and products*, European Mineralogical Conference EMC, 2- 6 September 2012, Frankfurt IMain Germany, Vol.1 EMC2012-378,2012

7. Marius Bodor, Rafael M. Santos, Geanina Cristea, Muhammad Salman, Ozlem Cizer, Remus I. Iacobescu, Yi Wai Chiang, Koenraad Van Balen, **Maria Vlad**, Tom Van Gerven, *Investigation of carbonated BOF slag used as partial replacement of aggregate in mortars*, Conference: New Trends in Environmental and Materials Engineering, October 2013 Galati, Romania.



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9. **Vlad Maria**, Bart Van der Bruggen, *Treated polluted water by membrane filtration*, Proceeding of National Symposium GEPROPOL 2009- Achievements and Perspectives in Metallurgy and Materials 12-13 Iunie 2009, p 369-378, ISSN 2066-5725.
10. **Maria VLAD**, Tamara RADU., Ecaterina MATEI, *Researches Concerning the Development of Industrial Water Pollution Prevention and Wastewater Treatment*, Proceedings - International Conference on Xenobiotic in the Urban water Cycle XENOWAC 2009, 11 -13.March, PAPHOS- Cipru, ISBN 978-9963-671-89-2
11. **M.Vlad**, T. Radu, O. Mitoseru, F. Potecasu, *Environment quality improvement at hot dip galvanization and the recycling of zinc by- products* , International U.A.B.-B.En.A. Conference, Management and sustainable protection of environment, 6-7 May 2009,Alba Iulia, Romania, ISBN 978-973-1890-30-2, p.248.
12. **Maria VLAD**, Stela CONSTANTINESCU, Tamara RADU, Stefan BALTA, *The management of municipal solid waste in Galati city area*, Proceeding of the 8th INTERNATIONAL CONFERENCE ON TECHNOLOGY AND QUALITY FOR SUSTAINED DEVELOPMENT, TQSD 2008, October, 30-31, 2008, Bucharest, Romania, p. 103+108, ISSN: 1844-9158.
13. **M. Vlad**, L. Moraru, *Alloying elements influence on surface tension of aluminium based alloys*, In ALUMINIUM 2007 Transaction of the Universities of Kosice , ISSN 1335-2334, pag.117-122.
14. **Maria Vlad**, Chiriac Alexandru Emil Stratulat, *Microalloying with rare metals of Al - Si - Mg ternary system base alloys*, Volume Scientific Conference Ugal Mat 2005, Technologies and advanced materials, from 20+23 October 2005,p.88-91, ISBN 973-627-238-9.
15. **M. Vlad**, E. Stratulat, *Obtaining of Al-Si-Mg alloys used for casting cult objects* Volume of ARTCAST Congress, 14-15 may 2004, "Dunarea de Jos" University, Galati, Romania, p.182-185, ISBN 973-8316-43-X
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18. **M. Vlad**, L. Moraru, C. Georgescu, *The Influence of Low Oxygen Content on the Copper Viscosity*, 7th European Conference on Advanced Materials and Processes, EUROMAT 2001, Rimini, Italy, 10-14 June, 2001.
19. **M.Vlad**, L.Moraru A.Chiriac, *Recovery and waste disposal*, Volume MOC'39,Odesa, April 26-2, 2000,p 147
20. **M.Vlad**, A.Ciocan, L.Moraru, A. Chiriac, F. Tudorie, *Copper Alloys Obtaining by Microalloying with Superior Physical and Mechanical Properties*.EUROMAT '98, Conference on Materials in Oceanic Environment, 22-24 July 1998, pag.175-178
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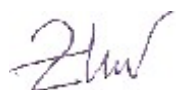
Prezentari orale, postere, la Conferintelor internationale (selectate): 38

Prezentari orale

1. **Laurenția Geanina Tiron, Maria Vlad, Ștefan Balta**, *Research on hydrophilic nature of polyvinylpyrrolidone on polysulfone membrane filtration*, International Conference on Innovative Research - Euroinvent ICIR 2018, Iasi , Mai 2018
2. **Laurenția Geanina Tiron, Ștefan Balta, Maria Vlad**, *The influence of Polyvinylpyrrolidone additive of PSf membranes properties*, Scientific Conference of Doctoral Schools from "Dunarea de Jos" University of Galati (CSSD-UDJC), Perspectives and challenges in doctoral research, 6th Edition, 6th Edition, 7-8 June 2018

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3. Laurentia Geanina TIRON, **Maria VLAD**, Ștefan Catalin PINTILIE, Ștefan BALTA, *Influence of factors from the manufacturing process on the properties of polymeric membranes used in wastewater treatment*, International Conference of Young Researchers, Octombrie 2015
4. Ilenuta SEVERIN, **Maria VLAD**, Tamara RADU, Stela CONSTANTINESCU, Marius BODOR, *The Influence of the Nature of the Materials Subjected to the Geopolymerisation Process over the Structure and Mechanical Properties of the Synthesized Geopolymers*, 4-th Edition of Scientific Conference organized by the Doctoral Schools of "Dunarea de Jos" University of Galati CSSD-UDJG, 2nd and 3rd of June 2016
5. Laurentia Geanina TIRON, **Maria VLAD**, Ștefan Catalin PINTILIE, Ștefan BALTA, *Research on obtaining and characterization of polymeric membranes for wastewater treatment-*, 4-th Edition of Scientific Conference organized by the Doctoral Schools of "Dunarea de Jos" University of Galati CSSD-UDJG, 2nd and 3rd of June 2016
6. Maria-luliana MARCUȘ, **Maria VLAD**, Tamara RADU, Lucica BALINT, Stela CONSTANTINESCU, *Selective Extraction of Metal Compounds from Electroplating Sludge*, 4-th Edition of Scientific Conference organized by the Doctoral Schools of "Dunarea de Jos" University of Galati CSSD-UDJG, 2nd and 3rd of June 2016.
7. Vasile BAȘLIU, **Maria VLAD**, Gelu MOVILEANU, *Composites with Technological Role by Embedding FeTi30 Particles into a Metallic Matrix*, 4-th Edition of Scientific Conference organized by the Doctoral Schools of "Dunarea de Jos" University of Galati CSSD-UDJG, 2nd and 3rd of June 2016
8. MARCUȘ Maria-luliana, **VLAD Maria**, MITIU Mihaela Andreea, *Influence of different galvanic sludge types on the extraction efficiency of chromium ions*, Conference on material science & engineering, UgalMat 2016, May 19-21, Galati, Romania.
9. BAȘLIU Vasile, **VLAD Maria**, MOVILEANU Gelu, *Possibilities of obtaining composite materials with technological role by incorporating granular particles in metal matrix*, Conference on material science & engineering, UgalMat 2016, May 19-21, Galati, Romania.
10. Ilenuta Severin, **Maria Vlad**, *Properties of alkali activated ground granulated blast furnace slag based geopolymers*, Conference on material science & engineering, UgalMat 2016, May 19-21, Galati, Romania.
11. R. M. Santos, M. Bodor, P. N. Dragomir, A.G. Vraciu, **M. Vlad**, T. Van Gerven, *Magnesium chloride as a leaching and aragonite-promoting additive for the mineral carbonation of calcium-rich materials*, The Fourth International Conference on Accelerated Carbonation for Environmental and Materials Engineering, Leuven, Belgia, 9-12.04.2013.
12. M. Bodor, R. M. Santos, L. Kriskova, J. Elsen, **M. Vlad**, T. Van Gerven, *Mineralogical and morphological assessment of carbonated steel slags and synthesized minerals*, The Fourth International Conference on Accelerated Carbonation for Environmental and Materials Engineering, Leuven, Belgia, 9-12.04.2013.
13. Bodor Marius, Santos Rafael, Kriskova Lubica, Elsen Jan, **Vlad Maria**, Van Gerven Tom, *Synthesis of selected mineral compounds for in-depth analysis of steel slags during carbonation*, Proceedings of the Third International Slag Valorisation Symposium (The transition to sustainable materials management), Leuven, Belgium, 19-20.03.2013.
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17. Marius Bodor, Rafael Santos, Lubica Kriskova, Jan Elsen, **Maria Vlad**, Tom Van Gerven, *Synthesis of major mineral components of steel slags for carbonation process detailed analysis*, The second PhD student symposium, Galati, Romania, 13-14.12.2012.
18. R M. Santos, M. Bodor, J. Van Bouwel, L. Kriskova, J. Elsen, **M. Vlad**, T. Van Gerven, *Mineralogical effects on the intensified mineral carbonation of steel slags: kinetics, conversion, basicity and products*, European Mineralogical Conference EMC, 2- 6 September 2012, Frankfurt IMain Germany, Vol.1 EMC2012-378,2012
19. Marius Bodor, **Maria Vlad**, Ștefan Balta, *Latest work on mineral carbonation of steelmaking slags for carbon dioxide trapping,,* The International Conference New trends in environmental and materials engineering, Galati Romania, 18-20.05.2011.
20. Bodor Marius, **Vlad Maria**, Thomas van Gerven, *Converter slags analysis and literature study on carbon dioxide sequestration by steel slags*, International Workshop Research quality in doctoral school increased industrial and international visibility, prezentare orală, 2011.



Postere:

1. MARCUȘ Maria-Iuliana, **VLAD Maria**, PANAIT Ana-Maria, MONCEA Andreea MITIU Mihaela Andreea, MOVILEANU Gelu, *Chemical and structural characterization of chromium-based pigments extracted from hazardous sludge*, 8th Conference on Material Science & Engineering - UGALMAT 2018, October 11 - 13, 2018, Galati, Romania
2. Maria-Iuliana MARCUȘ, **Maria VLAD**, Andreea MONCEA, Mihaela Andreea MITIU, Gelu MOVILEANU, *Characterization of ceramic pigments obtained by extraction from galvanic sludge*, Scientific Conference of Doctoral Schools from "Dunarea de Jos" University of Galati (CSSD-UDJC), Perspectives and challenges in doctoral research, 6th Edition, 6th Edition, 7-8 June 2018
3. Maria-Iuliana MARCUȘ, Maria VLAD, Mihaela Andreea MITIU, Andreea MONCEA, Gelu MOVILEANU, *Valorisation potential of the inorganic compounds recovered from galvanic sludge in decorative ceramic glazes*, Scientific Conference of Doctoral Schools from "Dunarea de Jos" University of Galati (CSSD-UDJC), 5th Edition, 8-9 June 2017
4. Bodor Marius, Santos Rafael, Kriskova Lubica, Elsen Jan, **Vlad Maria**, Van Gerven Tom, *Synthesis of selected mineral compounds for in-depth analysis of steel slags during carbonation*, Proceedings of the Third International Slag Valorisation Symposium (The transition to sustainable materials management), Leuven, Belgium, 19-20.03.2013.
- 5 Tamara Radu, **Maria Vlad**, Marius Bodor, *Environmental risk management at hot-dip galvanizing*, The International Conference New trends in environmental and materials engineering, Galati Romania, 18-20.05.2011.

3. LISTA PROIECTEIGRANTURI DE CERCETARE DEZVOLTARE

 **Director sau membru in echipa de cercetare: 48 contracte**

Proiecte internationale

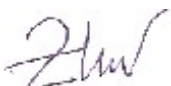
1. Project COST 636 , Xenobiotic in the Urban Water Cycle, 2005-2009, member of the Management Committee and in Working Group 2 -Methods for waste water treatment.

Proiecte nationale de Cercetare-Dezvoltare-Inovare

1. Contract nr. 22DPSTI 20 08 2013, cu titlul: "Tehnologii de obtinerea a benzilor subtiri din otel cu valoare adaugata ridicata prin acoperire chimica cu aliaje de nichel si compozite in matrice de nichel"-PNCDI-INOVARA-DPST membru in echipa de cercetare.
2. Proiect MIS ETC code 1676, Contract grant nr. 93370111.12.2013, intitulat "Cross-border interdisciplinary cooperation for the prevention of natural disasters and mitigation of environmental pollution in Lower Danube Euroregion, membru in echipa de cercetare.
3. Contract de finantare pentru executie de proiecte, Nr.1421.11.06.2008 (CDI) *Tehnologii avansate si ecologice de realizare a materialelor de protectie pentru rezistenta la corozione- ECOVER*, membru in echipa de cercetare.
4. Proiect nr.71012I2007(Directia de cercetare:7- Materiale, procese si produse inovative), *Tehnologii noi de fabricatie pentru produsele platedin oteluri speciale cu valoare adaugata ridicata*, membru in echipa de cercetare.
5. Proiect CEEEX Tip P-CD (PROFEFIN) Nr. 147I2006-2008, subcontract Nr.5824114.07.2006, *Solutii de procesare si utilizare a deseurilor feroase ultrafine din industria otelului prin dezvoltarea de nano si microprocesse de contact, urmarind incadrarea in criteriile de dezvoltare durabila*, membru in echipa de cercetare.
6. Program CALIST (proiect PNCDI) 2004 - 2006. *Procedura pentru identificarea si determinarea rapida a unor metale grele din apa*, membru in echipa de cercetare.

Granturi finantate de Uniunea Europeana: 5

1. Proiect POSDRUI159I1.5ISI132397I2014-2015, Excelenta In cercetare prin burse doctorale și postdoctorale (ExcelDOC), Valoare proiect (partener) 2.196 738 lei, **coordonator partener**.
2. Proiect POSDRU 156I1.2IG142055I2014-2015, Programe de master inovative pentru viitorii profesioniști, **expert pe termen scurt**
3. Grant POSDRUI21I1.5IG19524I2009-2011, Domeniul major de interventie 1.5 "Programe doctorale si postdoctorale In sprijinul cercetarii", titlul proiectului: Creșterea calitatii In formarea cercetatorilor pe baza de programe doctorale imbunatatite prin parteneriat, PhD EXPERT, Valoare proiect 1.500.000 lei, **director proiect**.



4. Proiect TACIS Phare, RO2006I018-447.01.01.07, Dezvoltarea si Extinderea Laboratorului de monitorizare Integrata a Factorilor de Mediu (aer,apa,sol)in Euro-regiunea Dunarea de Jos-zona Galati-Cahul, Valoare proiect : membru in echipa de cercetare.

5. Proiect TACIS-Phare, RO 2004I016-941.01.01.04, Monitorizarea integrate a mediului Inconjurator (air, water, soil) in Euro-regiunea Dunarea de Jos-zona Galati-Cahul, membru in echipa de cercetare.

Proiecte cu mediu socio-economic: 36 contracte, selectate 2

1. Contract no. 267 I2000, *Analiza deșeurilor solide (praf de la aglomerare, deșeuri refractare, praf de var si calcar, praf dolomita, amestecuri de formare uzate) din SIDEX SA*, beneficiar SIDEX, **director proiect**.

2. Contract nr.204I1998 *Studiul electrochimic al acoperirilor compozite in matrice de nichel comparativ cu straturile de nichel pur obtinute prin electrodepunere*, beneficiar: SIDEX S.A, membru in echipa de cercetare.

ALTE CONTRIBUTII STIINTIFICE

Premiu al Academiei Romane

1. **Maria Vlad**, Nicolae Ciocan, Anisoara Ciocan, Florea Oprea, Sanda Oprea, The award "Traian Vuia" of Romanian Academy in 1987 for the paper "Research on the mechanism of physico-chemical processes in the development of new complex alloys from the extractive metallurgy".

Patent

Galvanizing process of thin steel strips in zinc baths with complex microalloying with bismuth-cadmium-tin- nickel, owner Galfinband SA, OSIM, Romania, No. AI00642I29.06.2010. Authors: Eni Cristinel, Tamara Radu, **Vlad Maria**, Florentina Potecasu, Ciuta Stephen Coman Mihaia Mitu

