

Curriculum vitae Europass



Informații personale

Nume / Prenume **VLAD MARIA**
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Naționalitate(-tăți) Română
Data nașterii 03.12.1951
Sex F

Locul de muncă vizat / Domeniul ocupațional

Universitatea "Dunărea de Jos" din Galați

Experiența profesională

Perioada 1978 – Prezent
Funcția sau postul ocupat Profesor universitar doctor
Conferențiar doctor
Șef lucrări doctor
Asistent

Activități și responsabilități principale

Cercetare fundamentală și aplicativă, programe internaționale, învățământ și cercetare

Cursuri:

- Elaborarea și turnarea aliajelor neferoase, din 1983-prezent;
- Procese unitare în metalurgie, din anul 1991-1999;
- Tehnologii metalurgice, în perioada 1983-1990;
- Prelucrarea și valorificarea deșeurilor nemetalice, din anul 2000- prezent;
- Bazele proceselor de prelucrare și valorificare a deșeurilor din anul 2000- prezent;

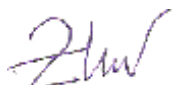
Acorduri de colaborare bilaterală pentru stagii didactice pentru studenți și cadre didactice Erasmus / Socrates cu Katholieke Universiteit Leuven, Belgia, perioadele 2005-2009, 2009-2014

Cercetare fundamentală și aplicativă în direcțiile:

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

Numele și adresa angajatorului

Universitatea Dunărea de Jos din Galați, Facultatea de inginerie, Str.
Domnească nr 47, 800008 Galați



Tipul activității sau sectorul de activitate	Învățământ universitar cercetare
Perioada	1998 –prezent Profesor 01.09.2014-01.09.2016: 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: Conferențiar la Facultatea de Metalurgie și Știința Materialelor; 1983 -1995: Șef de lucrări Facultatea de Metalurgie și Știința 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: Activități de cercetare in domeniu metalelor si aliajelor neferoase la Facultatea de Metalurgie din Universitatea Miskolc Ungaria.
Educație și formare	
Perioada	19.04.1997 ÷ 30.05.1997
Calificarea / diploma obținută	Certificat Academic de la Hubei Polytechnic University China
Numele și tipul instituției de învățământ / furnizorului de formare	Hubei Polytechnic University, China
Perioada	1989 - 1994
Calificarea / diploma obținută	Doctor în Științe Inginerești al Universității „Dunărea de Jos “Galați, domeniul Metalurgie neferoasa si prepararea minereurilor. Titlul tezei: Cercetări privind microalierea aliajelor cu baza cupru
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea "Dunărea de Jos “Galați
Perioada	1970-1975
Calificarea / diploma obținută	Diploma de inginer, Facultatea de Metalurgie, Specializarea: Metalurgia metalelor neferoase
Numele și tipul instituției de învățământ / furnizorului de formare	Institutul Politehnic București, România
Aptitudini și competențe personale	

Zhu

Limba(i) maternă(e) Română
Limba(i) străină(e) cunoscută(e)

Înțelegere		Vorbire		Scriere
Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
Engleza	C1	C1	C1	C1
Franceza	A2	A2	A2	A2

Competențe și abilități sociale

Spirit de echipă.
- Adaptabilitate bună de lucru în medii multiculturale dobândită din experiența de lucru în învățământ și cercetare la universități din Ungaria, Portugalia, China, și Belgia.
- Capacitate bună de comunicare dobândită din experiența de participare în proiecte naționale și europene ca și coordonator sau membru în echipe de cercetare

Competențe și aptitudini organizatorice academice:

Management

- Conducător de doctorat, 2009-prezent;
- Membru în Senatul Universității "Dunărea de Jos" Galați din anul 2005-2012;
- Membru în Consiliul Profesorat al Facultății de met. știința mat și med. din 1983 – 2015
- Director departament Ingineria Mediului și Sisteme Tehnologice Metalurgice, din 2011-2015
- Șef catedra „Ingineria Mediului și Materiale”, din 2006-2011;
- Director al Centrului de Cercetare „Calitatea Materialelor și a Mediului”, perioada 2005 -2006;
- Prodecan al Facultății de Metalurgie și Știința Materialelor, 1999-2000;
- Secretar științific, Facultatea de Metalurgie și Știința Materialelor, 1996-1999;

Competențe și aptitudini tehnice

Dezvoltarea de noi cursuri tehnice, prezentarea de lucrări științifice la conferințe internaționale
Competențe foarte bune în aparatură pentru studiul proprietăților fizico-chimice ale topiturilor metalice, studiul materialelor, spectrometrie, microscopie, etc.
Membru în Comitetul Științific sau în Comitetul de organizare a unor conferințe internaționale sau workshopuri
Chairman la simpozioane, conferințe, workshopuri naționale și internaționale

Competențe și aptitudini de utilizare a calculatorului

Competențe tehnice foarte bune în lucrul cu calculatorul: Microsoft Office, Word, Excel, PowerPoint, Photo Paint, CorelDraw, Origin, Internet

Alte competențe și aptitudini

Membru al asociațiilor 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 „Asociației Generale a Inginerilor din România” (A.G.I.R.); office@agir.ro

Expertiza și recunoaștere națională și internațională:

- Evaluator ARACIS – domeniul Ingineria mediului; www.fseromania.ro
- Membru în Comisia Națională de Echivalare a Diplomelor (CNED-MECT)
- Viziting professor la KU Leuven
- Membru în Comitetul de Management al proiectului European ESF – COST 636-Xenobiotic in the Urban Water Cycle; www.COST.Action.636
- Membru în Consiliu Profesorat al Facultății de Ingineria Materialelor și a Mediului;
- Membru în Comisia pentru evaluarea și asigurarea calității;
- Membru în comitetul de redacție al Revistei Analele Universității "Dunărea de Jos" Galați, Fascicula IX, Metalurgie și Știința, Materialele, Anul XVIII(XXIII), (http://www.cnscis.ro/2006_evaluare_rev.php);
- Referent științific începând cu anul 2009 la Revista Metalurgia Internațional, cotată ISI www.isinet.com position <http://scientific.thomson.com/cgi-bin/jrnlst/jresults.cgi>)
- Referent științific începând cu anul 2009 la Revista Metalurgia; www.isinet.com
- Referent științific la 12 teze de doctorat susținute în România.
- Referent științific la două cărți din domeniul știința și ingineria materialelor și a mediului

Informații suplimentare

- 8 cărți publicate în edituri centrale, în domeniile: metale și aliaje neferoase și ingineria mediului
- Premiul Traian Vuia al Academiei Române în anul 1987

- 180 articole din domeniile: materiale, mediu, chimie
- proiecte/granturi/contracte: 48

Anexe

1. Lista cărții publicate;
2. Lista articolele publicate
3. Lista proiecte/granturil

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1. LISTA CARTILOR 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 "Dunărea de Jos" Galați, Romania, 2008, 163 pag.
- 3 **Vlad Maria**, Radu Tamara, **Metalurgia metalelor neferoase grele**, ISBN 973-627-127-7, Editura Fundatiei Universitare "Dunărea de Jos" Galați, 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, Brașov, Romania, 1998, 229 pag.
- 5 **Vlad Maria**, **Advanced metallic materials**, ISBN 973-9732-03-1, Editura Macarie, Târgoviște, Romania, 1998, 117 pag.
- 6 Florea Oprea, **Vlad Maria**, **Procese unitare in metalurgie**, ISBN-973-9372-04-X, Editura Macarie, Târgoviște, Romania, 1998, 350 pag.
- 7 Chiriac Alexandru, **Vlad Maria**, **Teoria proceselor de formare**, ISBN-973-9499-32-5, Editura EVRIKA, Brăila, 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 ARTICOLELOR PUBLICATE

■ Publicatii in reviste ISI: 26

1. 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: 0,778
2. 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: 0,778
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.3/2018, 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.3/2018, 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.scibulcom.net, Impact Factor: 0,774.
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.6/2017, 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. Zydny, 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, .pp.79-84, Global Impact Factor=0,675

9. Marius Bodor, Rafael M. Santos, Geanina Cristea, Muhammad Salman, Özlem 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, [Impact Factor: 3.33](#) · DOI: [10.1016/j.cemconcomp.2015.10.002](#)
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, [Impact Factor: 0,61](#)
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, [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, [Impact factor 1,219](#).
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: [10.1127/0935-1221/2013/0025-2300](#)., [Impact factor 1,506](#)
14. Marius Bodor, Rafael M. Santos, Tom Van Gerven, **Maria Vlad**, *Recent developments and perspectives on the treatment of industrial wastes by mineral carbonation, a review*, Central European Journal of Engineering, 3(4) 2013, 566-584, DOI:10.2478/s13531-013-0115-8
15. 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 ,[Impact factor 1,714](#).
16. **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](#).
17. Tamara Radu, Florentina Potecasu, **Maria Vlad**, *Research on obtaining and characterization of zinc micro-alloyed with bismuth coatings*, Metalurgia International nr. 1/2011 ISSN 1582-2214, pag. 44-48. [www.isinet.com](#) position <http://scientific.thomson.com/cgi-bin/jrnlst/jlresults.cgi>. [Impact factor 0,13](#).
18. **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](#).
19. Gelu Marian Movileanu, **Maria Vlad**, *Soil pollution with heavy metals come from municipal solid waste*, Metalurgia International nr. 15(9), 2010, ISSN, 1582-2214, pag. 83-84, [www.isinet.com](#) position <http://scientific.thomson.com/cgi-bin/jrnlst/jlresults.cgi>, [Impact factor 0,13](#)
- 20 Radu T. Constantinescu S., **Vlad M.**, *Morphologies of Widmanstätten structures and mechanism formation in steels*, Journal of Materials, Science Forum vol. 636-637, nr.1/2010, pp. 550-5555 Trans Tech Publications, Switzerland, ISSN: 0255-5476, ISSN/ISO: Mater. Sci. Forum doi:10.4028/ [www.scientific.net/MSF.636-637](#).
21. Gelu Marian Movileanu, **Maria Vlad**, *Study of the landfill waste impact on the groundwater quality in the close area*, Metalurgia International, vol. XV (2010), no. 1. Editura stiintifica FMR, ISSN 1582-2214, p.8÷13, [www.isinet.com](#) position <http://scientific.thomson.com/cgi-bin/jrnlst/jlresults.cgi> on steel base, review Metalurgia International, vol XIV, 2009, nr.3 Editura stiintifica FMR, ISSN 1582-2214, p.8÷13, [www.isinet.com](#) position <http://scientific.thomson.com/cgi-bin/jrnlst/jlresults.cgi>, [Impact factor 0,13](#).
22. **Maria VLAD**, Mihai GAITA, Luminita MORARU, *Influence of substrate polarisation voltage on the main properties of TiN films deposited on steel base*, review Metalurgia International, vol XIV, 2009, nr.3 Editura stiintifica FMR, ISSN 1582-2214, p.8÷13, [www.isinet.com](#) position <http://scientific.thomson.com/cgi-bin/jrnlst/jlresults.cgi>, [Impact factor 0,13](#)
23. Luminita MORARU, **Maria VLAD**, *High-Accuracy Structure Identification of the Aluminium Eutectic Alloys Using the Colour Metallography*, review Metalurgia International, vol. XIV (2009), special issue no.10, Editura stiintifica FMR, ISSN 1582-2214, pag.18÷23 ,[www.isinet.com](#) position <http://scientific.thomson.com/cgi-bin/jrnlst/jlresults.cgi>, [Impact factor 0,13](#)
24. **Vlad M.**, Gaita M., *Corelation between polarisation voltage and the properties of TiN films deposited on steel base*, review Metalurgia International, vol 11, 2008, Editura stiintifica FMR, ISSN 1582-2214, pag.42÷47, [www.isinet.com](#) position <http://scientific.thomson.com/cgi-bin/jrnlst/jlresults.cgi>, [Impact factor 0,13](#).
25. Potecasu Florentina, Mitoseriu Olga, Drugescu Elena, **Vlad Maria**, *The structure of composite deposition with nickel matrix*, review Metalurgia International, vol 11, 2008, Editura stiintifica FMR, ISSN 1582-2214, pag.35÷41, [www.isinet.com](#) position <http://scientific.thomson.com/cgi-bin/jrnlst/jlresults.cgi>, [Impact factor 0,13](#)
26. 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/arhiva.asp?lim=ro&rev=ch>. [Impact factor 1,232](#).

Publicatii in reviste ISI proceedings: 12

1. *Laurenția Geanina TIRON*, Ștefan Cătălin PINTILIE, Maria VLAD, Iulian - Gabriel BÎRSAN, Ștefan BALȚĂ, **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).
2. *Laurenția Geanina TIRON*, Ștefan Cătălin PINTILIE, Maria VLAD, Ștefan BALȚĂ, Andreea Liliانا LAZĂR, **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)
3. *Laurenția Geanina TIRON*, Marius BODOR, Maria VLAD, Ștefan BALȚĂ, 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)
4. 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
5. *Maria Iuliana Mărcuș*, **Maria Vlad**, A. Mihaela Mițiu, 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
6. *Severin*, **Maria Vlad**, Properties of Alkali Activated Ground Granulated Blast Furnace Slag Based Geopolymers, 7th Conference on Material Science & Engineering – UGALMAT 2016, mai 19 – 21, 2016, Advanced Materials Research ISSN: 1662-8985, Vol. 1143, pp 114-120, [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 *Ilenuta*
7. *Vasilica Viorica Corcoțoi Toniță*, **Maria Vlad**, *Ilenuta Severin*, *Andrei Berbecaru*, Chemical and Mineralogical Composition Influence of Steelworks Dust on Agglomerate Quality, 7th Conference on Material Science & Engineering – UGALMAT 2016, mai 19 – 21, 2016, Advanced Materials Research ISSN: 1662-8985, Vol. 1143, pp 120-127, [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](http://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/](http://www.sgem.org/SGEM_2012_Conference_Proceedings/) ISSN 1314-2704, June 17-23, 2012, Albena, Bulgaria, http://dx.doi.org/10.5593/SGEM_GeoConference, Vol.5, p. 499-506.
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/](http://www.sgem.org) ISSN 1314-2704, June 17-23, 2012, Albena, Bulgaria, http://dx.doi.org/10.5593/SGEM_GeoConference, Vol 4, p303-310.
11. *Tamara RADU*, *Anisoara Ciocan*, **Maria Vlad**, *Simion Ioan Balint*, *Viorel Dragan*, *Environmental risk assessment in the galvanizing of steel sheets*, www.sgem.org, [SGEM2012 Conference Proceedings/](http://www.sgem.org/SGEM2012_Conference_Proceedings/) ISSN 1314-2704, June 17-23, 2012, Albena, Bulgaria, http://dx.doi.org/10.5593/SGEM_GeoConference, Vol.5, p391-398.
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Postere:

29. Vasile Bașliua, Gelu Movileanub, Nicolae Diaconuc, **Maria Vlad**, *Research regarding the obtaining and characterization of metal matrix composites with granular particles of SiC*, Scientific Conference of Doctoral Schools from "Dunărea de Jos" University of Galati (CSSD-UDJC), Perspectives and challenges in doctoral research, 6th Edition, 7-8 June 2018
30. Maria-Iuliana MĂRCUȘ, **Maria VLAD**, Andreea MONCEA, Mihaela Andreea MÎȚIU, Gelu MOVILEANU, *Characterization of ceramic pigments obtained by extraction from galvanic sludge*, Scientific Conference of Doctoral Schools from "Dunărea 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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32. Marius Bodor, Rafael Santos, Lubica Kriskova, Ștefan Baltă, **Maria Vlad**, Tom van Gerven, *Minerals Synthesis for Detailed Analysis of Steel Slag Carbonation Process*, International Conference ArtCast 2012, Galați.
33. 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.
34. Tamara Radu, **Maria Vlad**, Marius Bodor, *Environmental risk management at hot-dip galvanizing*, The International Conference New trends in environmental and materials engineering, Galați România, 18-20.05.2011.
35. Ștefan Baltă, Marius Bodor, Lucica Balint, **Maria Vlad**, *Evaluation of noise in Galați city*, The International Conference New trends in environmental and materials engineering, Galați România, 18-20.05.2011.
36. Constantinescu Stela, **Maria Vlad**, Marius Bodor, *Characterization of niobium carbide cemicl deposition from vapour at normal pressure*, International Workshop Research quality in doctoral school increased industrial and international visibility, Poster, 2011.
37. Ș. Baltă, M. Bodor, **Maria Vlad**, *Evaluation of noise pollution in Galați city*, B.E.NN.A. International Conference, Bucharest, 2011.

3. LISTA PROIECTE/GRANTURI DE CERCETARE DEZVOLTARE

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

Proiecte internationale

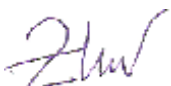
1. Proiect COST 636 , Xenobiotic in the Urban Water Cycle, 2005-2009, member of the Management Committee and in Working Group 2 -Methods for waste water treatment.

Proiecte nationale de Cercetare-Dezvoltare-Inovare

1. Contract nr. 22DPST/ 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-INOVARE-DPST membru in echipa de cercetare.
2. Proiect MIS ETC code 1676, Contract grant nr. 93370/11.12.2013, 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 corozieune- ECOVER*, membru in echipa de cercetare.
4. Proiect nr.71012/2007(Directia de cercetare:7- Materiale, procese si produse inovative), *Tehnologii noi de fabricatie pentru produsele platin oteluri speciale cu valoare adaugata ridicata*, membru in echipa de cercetare.
5. Proiect CEEX Tip P-CD (PROFEFIN) Nr. 147/2006-2008, subcontract Nr.5824/14.07.2006, *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 POSDRU/159/1.5/S/132397/2014-2015, Excelență în cercetare prin burse doctorale și postdoctorale (ExcelDOC), Valoare proiect (partener) 2.196 738 lei, **coordonator partener**.
2. Proiect POSDRU 156/1.2/G142055/2014-2015, Programe de master inovative pentru viitorii profesioniști, **expert pe termen scurt**
3. Grant POSDRU/21/1.5/G/19524/2009-2011, Domeniul major de interventie 1.5 "Programe doctorale si postdoctorale în sprijinul cercetării", titlul proiectului: Creșterea calității în formarea cercetătorilor pe bază de programe doctorale îmbunătățite prin parteneriat, PhD EXPERT, Valoare proiect 1.500.000 lei, **director proiect**.



4. Proiect TACIS Phare, RO2006/018-447.01.01.07, Dezvoltarea si Extinderea Laboratorului de monitorizare Integrata a Factorilor de Mediu (aer,apa,sol)in Euro-regiunea Dunarea de Jos-zona Galați-Cahul, Valoare proiect : membru in echipa de cercetare.

5. Proiect TACIS-Phare, RO 2004/016-941.01.01.04, Monitorizarea integrate a mediului înconjurător (air, water, soil) in Euro-regiunea Dunarea de Jos-zona Galați-Cahul, membru in echipa de cercetare.

Proiecte cu mediu socio-economic (selectate): 36 contracte

1. Contract no. 267 /2000, *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.204/1998 *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. A/00642/29.06.2010. Authors: Eni Cristinel, Tamara Radu, **Vlad Maria**, Florentina Potecasu, Ciuta Stephen Coman Mihaita Mitu

