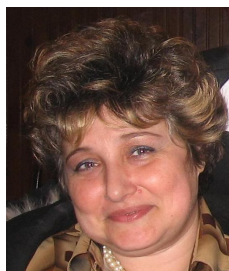


## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **DUMITRESCU, Daniela, Violeta**

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E-mail danieladumitrescu@yahoo.com

Nationality Romaine

Date of birth 23.05.1963

Gender Female

### Desired employment / Occupational field

#### Work experience

Dates October 1989 to present

Occupation or position held

- 2000 - Present - INCDMNR-IMNR – Scientific researcher II<sup>nd</sup> degree, Scientific research, member of the IMNR Scientific council (2005 - 2009); National research program coordinator, Operational Programme Competitiveness (2014-2020) manager / responsible research project; specialist assessor of the MEdCTS (since 2005 to present); scientific communications / national or international publications;
- 1995 - 2000 - INCDMNR-IMNR - Scientific researcher III<sup>rd</sup> degree, Scientific research, participation in national research competitions, drafting research/ studies, patent inventions, scientific communications / national or international publications;
- 1990 - 1995 - INCDMNR-IMNR - Scientific researcher; Scientific research, achievement studies, making documentations, scientific communications national / international publications;
- 1989 – 1990 - INCDMNR-IMNR – Chemistry engineer; Scientific research, documentary, laboratory activities.

Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Participate in developing auction offers for complex national or international CD projects;</li> <li>- Participate as an expert in groups of research contracts;</li> <li>- Plan, organize and coordinate the scientific activities of the leading group;</li> <li>- Ensure monitoring of the project consortium and coordinated groups, draws up reports on the results or state project by the contracting authorities;</li> <li>- Monitors the implementation of the projects results from coordination;</li> <li>- Monitors linking activities to budgetary allocations</li> <li>- Ensure the inter-institutionals and inter-professional cooperation in coordinated consortium;</li> <li>- Prepare the specific documentation (scheme, balance sheets, documentation)</li> <li>- Participate in information dissemination: national or international scientific communications, workshops, prepare and publish articles in specialized magazines</li> <li>- Assessor peer-review of national programs of MEDCTS</li> <li>- Ensures negotiation of the Collective Labor Contract as the Union Leader</li> <li>- Member of the Local Committee for Development Social of Partnership Ilfov</li> </ul>
Name and address of employer	INCDMNR-IMNR, 102, Blvd Biruintei, Pantelimon, Ilfov County, Romania
Type of business or sector	Scientific research
<b>Education and training</b>	
Dates	<ul style="list-style-type: none"> <li>- 2015 – “Quality management system according to ISO 9001:2015” course</li> <li>- 2013 - Assessor course projects</li> <li>- 2012 - Project Manager course</li> <li>- 2012 – Trainer Course</li> <li>- 2012 - Inspector in safety and health at work course</li> <li>- 2011 – Course on Environmental Medicine;</li> <li>- 2007- 2009 - Master - "Management of occupational health surveillance" ;</li> <li>- 2008 - "The risk of accidents and professional illness" course;</li> <li>- 2008 – "Environmental exposure coordinates to toxic substances" course;</li> <li>- 2008 – A.T.S.D.R. – C.D.R. „Risk Assessment and Communication” course;</li> <li>- 1997 - 2004 Doctoral internship – Complete doctoral thesis 2004</li> <li>- 2000 - Training program and assistance for engineering projects</li> <li>- 2000 - Environmental technologies, prescriptions European environmental and intellectual property</li> <li>- 1981 - 1986 – Student - UPB – Faculty of Chemical Technology, major specialty - Organic Chemistry</li> </ul>
Title of qualification awarded	<ul style="list-style-type: none"> <li>- 2015 – Certificate, No 11671/13.11.2015</li> <li>- 2013 - Graduation Certificate, Series I, No 00376129</li> <li>- 2012 - Graduation Certificate, Series G, No 00236510</li> <li>- 2012 - Graduation Certificate, Series G, No 00275724</li> <li>- 2012 - Graduation Certificate Series H, No 00176591</li> <li>- 2011 – Certificate of attendance</li> <li>- 2009 - Master's degree, Series H, No 0022919</li> <li>- 2008 - Graduation Certificate Series G, No 012997</li> <li>- 2008 - Graduation Diploma SP nr.71</li> <li>- 2005 - Diploma PhD in Materials Science and Engineering, Series D, Nr.0002635/06.05.2005</li> <li>- 2000 - Graduation Certificate Nr. 270</li> <li>- 2000 - Graduation Certificate Nr. 02</li> <li>- 1987 – Diploma Engineer Series E, nr.4805 (1330/3.III.1987)</li> </ul>
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> <li>- Research</li> <li>- Project Management</li> <li>- Management of occupational health surveillance</li> <li>- Risk assessment of accidents and professional illness</li> <li>- Training and assistance for engineering projects</li> <li>- Chemistry</li> <li>- Science Materials</li> <li>- Environmental technologies, prescriptions European environmental and intellectual property</li> </ul>

Name and type of organization providing education and training

- 2015 – SRAC CERT, Bucharest
- 2013 – GS Consulting Serv.SRL, Bucharest
- 2012 - CDM Foundation, Cluj Napoca
- 2012 - Romanian Association for health and safety, Bucharest
- 2012 – SC Olimp Net SRL, Buzau
- 2011- Yale University-School of Medicine and Babes Bolyai University, EHC Cluj Napoca,
- 2009 - "Lucian Blaga" University Sibiu;
- 2008 - "Lucian Blaga" University Sibiu;
- 2008 - Institute of Public Health „Prof.Dr.Leonida Georgescu” Timisoara;
- 2008 - Babes Bolyai University Cluj Napoca, Sponsorship by CREMS Cluj Napoca;
- 1997 - 2004 - Polytechnic University Bucharest
- 2000 - Polytechnic University Bucharest – AMCSIT
- 2000 - Polytechnic University Bucharest – Faculty of Electrical Engineering
- 2000 - ICPE – Central Information Dissemination - environmental protection, quality of life
- 1981 – 1986 - Polytechnic University Bucharest – Faculty of Chemical Technology, major specialty - Organic Chemistry

Level in national or international classification Postgraduate

**Personal skills and competences**

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level (\*)

**English**

**French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent User	B2	Independent User	B1	Independent User	B1	Independent User	B2	Independent User
A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences Team Working: coordination, communication, openness, easy integration in various groups, skills acquired through work experience, disseminating information through participation in conferences and seminars, trade union activity.

Organisational skills and competences Project management. Leadership and effective coordination of human and financial resources to implement direct contractor (3 direct contracts inter-institutionally, 9 PNCDI I-II projects, manager for 1 project UE funds and collaborations at other 27 projects (ORIZONT, RELANSIN, CERES, INVENT, VIASAN, MATNANTECH, CEEX, PNCDI I-II, UE) to the project results, the organizing spirit in the field of professional and leading trade union activity.  
We organized all the meetings of the anniversary promotion of graduates of the TCO Faculty of 1986.

Technical skills and competences Fundamental and applied research for materials and environmental engineering  
Pyrometallurgical and hydrometallurgical chemical processes for recovery of non-ferrous metals  
Use instruments and laboratory equipment for research.

Computer skills and competences

- Good use of Microsoft Office programs(Word™, Excel™ și PowerPoint™);
- Knowledge of basic applications of computer graphics (Adobe Illustrator™, PhotoShop™);
- Internet skills acquired in professional activity

Artistic skills and competences I can develop posters, brochures, leaflets. Achievements and presentations in Power Point, skills obtained from participation in conferences and symposiums.

Other skills and competences Hobby: flowers.

Driving license I have enabled auto category B.

## Additional information

- 7 patents of inventions; I am author and coauthor of 69 publications in various specialist journals, proceedings of national and international conferences.
- PhD thesis entitled: "Studies and research regarding the recovery of antimonium from anodic slime of the electrolytic refining of lead "
- I am co-author of 5 books:
  - "Experimental model - quality assurance and security environment in rural areas of specific Sibiu County, polluted by pesticides (Saliste) and heavy metals (Copsa Mica)", Coordinator Prof.Dr.Eugen Stelian Gurzau, Publishing ULB Sibiu, 2008, ISBN: 978-973-739-620-4;
  - "Experimentation and optimization model for spatial and temporal distribution of pesticides and heavy metals in environmental factors from Săliște and Coșșa Mică areas", Iulia Neamtiu, Eugen Gurzau, Ovidiu Popa, Elena Ruja, Cecilia Enasel, Cristian Pop, Sorin Gurzau, Anca Gurzau, Iuliu Fodor, Dorin Marchean, Ioan Chera, Daniela Dumitrescu, Publishing ULB Sibiu, 2009, ISBN 978-973-739-712-6;
  - „Population and experiencing the land selection model for the collection, storage, transportation, analysis and evaluation of specific bioindicators in exposure to pesticides and heavy metals”, Eugen Gurzău (coord.), Iulia Neamtiu (coord.), Ovidiu Popa, Cecilia Enasel, Cristian Pop, Anca Gurzău, Maria Lovasz, Aurelia Pinteau, Iuliu Fodor, Dorin Marchean, Ioan Chera, Daniela Dumitrescu, Publishing ULB Sibiu, 2009, ISBN 978-973-739-832-1.
  - "Aspects of the treatment for drinkable purpose of water sources with different degrees of contamination", Anca Elena Gurzau, Ovidiu Traian Popa, Cristian Pop, Romeo Chira, Daniela Violeta Dumitrescu, Techno Media Publishing house Sibiu (code CNCSIS 287), ISBN 978-606-616-013-1,
  - "Experimental model for monitoring THM and precursors from drinking water in human exposure", Anca Elena Gurzau (coord.), Irina Dumitrascu, Aurelia Pinteau, Thu Trang Tach, Daniela Coza, Luciana Neamțiu, Ofelia Șuteu, Alexandru Zeic, Ovidiu Traian Popa, Cristian Pop, Daniela Violeta Dumitrescu, Cornelia Hertia, Romeo Chira, Szas Maria, Szabo Eva, Techno Media Publishing house Sibiu (code CNCSIS 287), ISBN 978-606-616-014-8

## Annexes List of participation in projects and publications (selection)

## ANNEX

Programme/Project - selection	Position:	Period:
<b>RELANSIN: Project no.2443-Contract nr.89/1999</b> / The selective hydrometallurgical extraction of Bi from desantimonated anodic slime	<b>Project Manager</b>	2000 – 2002
<b>RELANSIN: Contract no.782/2000</b> / The obtaining ZrCl <sub>4</sub> by alkaline decomposition from zirconium concentrate.	Senior scientific researcher II	2000 - 2002
<b>RELANSIN : Contract no.859/2000</b> / The technologies for obtaining the plastic deformation ingots and semiproducts from titanium alloys for industry	Senior scientific researcher II	2000 - 2002
<b>RELANSIN: Contract no.1253/2001</b> / Waste recovery from zircalloy 4 alloy in nuclear energy used.	Senior scientific researcher II	2001 - 2002
<b>MENER: Contract no.036/2001</b> / New technology processing of the middlings indigene with precious metals, for Au and Ag obtaining.	Senior scientific researcher II	2001 - 2004
<b>INVENT: Contract nr.35/2001</b> / The technology implementation for lead recovery from lead waste.	Senior scientific researcher II	2001 - 2004
<b>INVENT: Contract no.62/2002</b> / Implementation of the oxidation process of the antimonium by hydrometallurgical way	<b>Project Manager</b>	2002 - 2004
<b>CERES: Contract no. 084/2002/</b> Ecological recycling technology of the titanium alloys wastes from aeronautic industry	Senior scientific researcher II	2002 - 2004
<b>MATNANTECH: Contract C-98(203)/2002</b> / Advanced biocompatible metallic materials for medical applications.	Senior scientific researcher II	2002 - 2004
<b>RELANSIN: Contract no.1695/2003/</b> New titanium and titanium alloy based biomaterials for dental implants	Senior scientific researcher II	2003 - 2004
<b>MATNANTECH: nr.127/2003/</b> Shape memory alloys for medical applications.	Senior scientific researcher II	2003 - 2005
<b>RELANSIN: Contract no.2025/2004/</b> The processing technology for some biocompatibilities alloys on precious metals base	Senior scientific researcher II	2004 - 2006
<b>MATNANTECH: nr.202(403)/2004/</b> Romanian alloys with enhanced biocompatibility and low allergy risk for tissue engineering applications	<b>Team leader</b>	2004 - 2006
<b>CEEX: no.58/2005/</b> The reduction and monitorization of the environment pollution	<b>Project Manager</b>	2005 - 2007

generated by the gases and dusts eliminated from the technological process of lead		
<b>CEEX: no.53/2005/</b> The device method for residual slag from secondary aluminium industry	Senior scientific researcher II	2005 - 2007
<b>CEEX:nr.16/2005/</b> Innovative technologies to increase the availability of equipment for road rehabilitation(earthmoving) using modular elements loaded with welded hard layers	Senior scientific researcher II	2005 - 2007
<b>CEEX:nr.1605/2006/</b> News biocompatible materials for orthopedic implants	Senior scientific researcher II	2006 - 2009
<b>PN06-230105/</b> Electrochemical methods of recovering nonferrous metals from waste electronics industry	<b>Project Manager</b>	2007 - 2009
<b>PNCIDI II-P5-113/2007/</b> Sudo-brazing technology duplex steel building structures protected with layers of zinc	Senior scientific researcher II	2007 - 2009
<b>PNCIDI II-P4-21-023/2007/</b> Implementation of clean energy technologies by developing a heat engine based on hydrogen absorbing alloys using solar energy or waste energy	Senior scientific researcher II	2007 - 2009
<b>PNCIDI II-P4-31-074 /2007/</b> Comprehensive program of quality assurance and environmental security in specific rural areas, polluted with pesticides and heavy metals with impact on quality of life	Senior scientific researcher II	2007 - 2009
<b>PNCIDI II-P4-31-004/2007 /</b> Hazardous waste processing technology in the secondary aluminum industry for the production of coagulants used in water purification to prevent environmental pollution, natural resource conservation pollutant	Senior scientific researcher II	2007 - 2009
<b>PNCIDI II-P4-61-038-2007/</b> Advanced research on techniques to eliminate microbiological agents in water purification processes using UV	Senior scientific researcher II	2007 - 2010
<b>PNCIDI II-P4-41-012/2007/</b> Correlation of diagnostic methods on the assessment of liver involvement in limfoproliferation chronic virus - prevalence and identification of molecular mechanism involved in oncogenesis	Senior scientific researcher II	2007 - 2010
<b>PNCIDI II-P4-71-158/2007/</b> New methods for synthesis of composite materials in situ processes	Senior scientific researcher II	2007 - 2010
<b>PNCIDI II-P4-71-134/2007</b> New types of flexible solar cells based on compounds obtained by CIS electrodeposition	Senior scientific researcher II	2007 - 2010
<b>GRANT A type 64 GR / 2007/</b> New concept matrix composites synthesis of titanium alloys by electrochemical process in molten salts	Senior scientific researcher II	2007 - 2008
<b>POSDRU/55/1/3/932/</b> Linking to offer vocational and technical education with labor market	Senior scientific researcher II	2007-2013
<b>PNCIDI II-P4-32-152/2008/</b> Comprehensive program of water quality and consumer safety in exposure to carcinogens (THM) in drinking water	<b>Project Responsible</b>	2008-2011
<b>PNCIDI II-P4-72-205/ 2008/</b> Nanostructured aluminum alloys with superior physical and mechanical characteristics	Senior scientific researcher II	2008-2011
<b>PNCIDI II-P4-72-221/ 2008/</b> New method of anticorrosive protection of steel materials by electrodeposition of thin films of ternary alloys Zn-Ni-P	Senior scientific researcher II	2008-2011
<b>PN 09240204 -</b> „Research regarding the obtaining of metal matrix composites in the AlSi-nitrides system for applications in the automotive industry”	Senior scientific researcher II	2010-2012
<b>PN 09240102-</b> Research regarding the obtaining of ultra light Al based alloys by mechanical alloying	Senior scientific researcher II	2010-2014
<b>PN 09240105 -</b> Ecological technology for obtaining aluminum alloys with high properties and low specific weight for industrial applications	Senior scientific researcher II	2010-2013
<b>INOVIATION/ 168/2012/</b> New method for obtaining ZnO nanostructures microwave field	<b>Project Manager</b>	2012-2013
<b>INOVIATION/ 191/2013/</b> Innovating melting of nonferrous metals in microwaves field	<b>Project Manager</b>	2013-2014
<b>INOVIATION/ 190/2013/</b> Innovating method for silver recovery from cleaning solutions	Senior scientific researcher II	2013-2014
<b>PN-II-PT-PCCA-2013-4 –No 82/2014</b> Innovative and ecological technology for the recovery of nonferrous metals from electrical and electronic equipment wastes (WEEE) using microwaves energy	Technical responsible	2014-2017
<b>PN-II-PT-PCCA-2013-4 –No 270/2014</b> News high entropy alloys/composites with superior mechanical and corrosion properties for high temperature applications	Senior scientific researcher II	2014-2017
<b>PN 09240110 -</b> High entropy alloys with superior mechanical characteristics and corrosion resistance for high temperature applications	Senior scientific researcher II	2014-2016
<b>POC-A1-A1.2.3-G 2015 – P 40-397-</b> Promoting unconventional eco-efficient technologies for metal recovery useful from industrial waste by building partnerships for knowledge transfer with economic agents	<b>Project Manager</b>	2016-2018

Patent RO112297 - 6.06.1997 – “Hydrometallurgical process for antimony recovery from anodic slime from lead electrolytical refinement”  
Patent RO114808 - 30.06.1999 - “Process for separating and recovering bismuth from non-ferrous metal containing chloride solutions obtained by volatilising chlorination of roasted pyrites”  
Patent RO115068 - 30.09.1999 - “Process for recovering arsenic from gas washing water” - coauthor  
Patent RO118138 - 28.02.2003 - ” Bismuth separation and recovery by hydrometallurgical process”

Patent application RO130631-A2 "Process for aluminum recovery using microwaves for melting metal can wastes",

Patent application RO130630-A2 "Process for silver recovery from spent pickling solutions", - coauthor

Patent application RO130769-A2. "Process for producing an aluminum alloy by mechanical alloying and plastic deformation", - coauthor

1. Poly(ethylene terephthalate) Recycled from Post-Consumer Soft-Drinks Bottles I. Poly(ethylene terephthalate) depolymerization by glycolysis process  
Rusen, Edina ; Mocanu, Alexandra ; Rizea, Florica ; **Daniela Dumitrescu** et al., MATERIALE PLASTICE Volume: 50 Issue: 2 Pages: 130-133 Published: JUN 2013
2. Post-consumer PET Bottles Recycling II. PET depolymerization using microwaves  
Rusen, Edina ; Mocanu, Alexandra ; Rizea, Florica ; **Daniela Dumitrescu** et al., MATERIALE PLASTICE Volume: 50 Issue: 3 Pages: 201-207 Published: SEP 2013
3. The influence of the process control agent and dispersoid on the mechanical alloying of the A5083 alloy  
V. Soare, M. Burada, I. Constantin, **D. Dumitrescu**, F. Stoiciu, V. Bădiliță, D. Mitrică, Metallurgical Research and New Materials, vol. 21, no. 4 (2013), 31-41.
4. Investigation of Al-5083 alloy obtained by mechanical alloying  
V. Soare, M. Burada, D. Mitrică, I. Constantin, **D. V. Dumitrescu**, 12th Young researchers' Conference - Materials Science and Engineering, 11-13 Decembrie 2013, Belgrad, Serbia.
5. Modern process for obtaining nanostructured ZnO  
**D. V. Dumitrescu**, V. Soare, I. Constantin, National symposium with international participation „Environment & Progress”, IX<sup>th</sup> edition, 25 October 2013, Cluj-Napoca, Romania.
6. Double layer multifunctional Zn-Ni-P coatings for anticorrosive applications  
I. Constantin, V. Soare, M. Burada, D. Mitrica, **D. Dumitrescu**, P. Moldovan, A. M. Popescu, TMS 143rd Annual meeting & exhibition, 16-20 February 2014, San Diego, SUA.
7. Microwave field melting of non-ferrous metallic wastes  
**Daniela Violeta Dumitrescu**, Vasile Soare, Ionuț Constantin, Marian Burada, Dumitru Mitrică, Conferința Internațională ELSEDDIMA, X<sup>th</sup> edition, 18-19 September 2014, Cluj-Napoca, România.
8. Study of Metals Recovery from WEEE by Anodic Dissolution  
V. Soare, **D. V. Dumitrescu**, M. Burada, I. Constantin, V. I. Soare, P. Capotă, 9th International Conference on Materials Science and Engineering – BRAMAT 2015, 5 – 7 March 2015, Brasov, Romania.
9. *Separation of Precious Metals from WEEE by Acid Solubilization and Thiourea Extraction*,  
M. Burada, V. Soare, **D. V. Dumitrescu**, I. Constantin, M. T. Olaru, V. Badilita, V. Soare, P. Capota, The 19<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering – RICCCE 19, 02-05 Septembrie 2015, Sibiu, Romania.
10. Approaches to remediation of soils contaminated with organic pollutants Petroleum Diesel,  
**Dr.Ing.Daniela Violeta Dumitrescu**, Dr.Ing.Petre Voicu, International Symposium "Pleading for technique" multidisciplinary and interdisciplinary, June 2012, Bucharest, ISSN 2026-463X
11. Current Trends in the remediation of soils contaminated wastewater and organic pollutants  
**Dr.Ing.Daniela Violeta Dumitrescu**, Scientific Session „Governance, Intelligence and Security century XXI, Cluj Napoca, 27 Mai 2011, Book of abstracts, pag.179
12. Health risks as a consequence of drinking water treatment technology  
**Daniela Violeta Dumitrescu**, Anca Elena Gurzau, Aurelia Pintea, Comelia Hertia- Environmental Law conference, safety engineering and disaster management, ELSEDDIMA 21-23 oct 2010, Cluj-Napoca, p 11, Studia Universitatis –Ambientum, Issue no. 1-2 / 2010, pag.3-15, ISSN: 1843-3855
13. The particular aspects of individual drinking water consumption in health risk assessment,  
Anca Elena Gurzau, Aurelia Pintea, **Daniela Violeta Dumitrescu**, Thu-Trang Thach, Comelia Hertia, Environmental Law conference, safety engineering and disaster management, ELSEDDIMA 21-23 oct 2010, Cluj-Napoca, p 15, Studia Universitatis –Ambientum, Issue no. 1-2 / 2010, pag.25-33, ISSN: 1843-3855
14. Trihalomethane formation during the treatment of drinking water and in the distribution network  
Anca Elena Gurzău, **Daniela Violeta Dumitrescu**, Acta Medica Transilvanica – anul XIV, 2009, numărul 4, Pag.105-106, ISSN: 1453-1968,
15. The heavy metals pollution and the adverse effects on human health  
**Daniela Violeta DUMITRESCU** s.a., Studia Universitatis –Ambientum, No.2008/II/1-2, pag.62-67, ISSN: 1843-3855
16. Heavy metal pollution of soil in the dumps SOMETRA Copsa Mica  
**Daniela Violeta DUMITRESCU**<sup>1</sup> s.a. National Public Health Conference - "Present and future public health in Romania", 12-14 November 2008, Timișoara, Proceedings, page 76, ISBN 978-973-602-382-8.
17. Considerations regarding the recycling of the Wastes Resulting from the Electronic Industry (WEEE)  
**Daniela Violeta DUMITRESCU** s.a. - The 3<sup>rd</sup> Central and Eastern Europe Conference on Health and the Environment, Cluj Napoca, Romania, 19-22 October 2008, Central European Journal Occupational and Environmental Medicine, Vol.14, Nr.1, pag.26, HU ISSN: 1219-1221.
18. Technical and Technological Aspects Regarding the Processing of the Waste Material Resulting from the Electronic Industry (WEEE) in order to Recover the Nonferrous Metals they contain area and heavy metals pollution  
**Daniela Violeta DUMITRESCU** s.a. - National Conference of Metallurgy and Materials Science (Romat 2006), Proceedings, September 25-26, 2008, Bucharest, Romania, Ed. PRINTECH, pag.365-373, ISBN: 978-606-521-077-6.
19. Copsa Mica area and heavy metals pollution

- Daniela Violeta DUMITRESCU**, s.a. - PRE9: Protection and Restoration of the Environment IX, Kefalonia, Greece, 29/6/08-3/7/08, Proceeding, pag.186, ISBN: 978-960-530-105-7
20. Heavy metal pollution and adverse effects of these on human health  
**Daniela Violeta DUMITRESCU** s.a. - International Symposium on Environment-Research and Management Environment Protection & Progress in 2007, 26-28 October 2007, Cluj-Napoca, Proceeding
  21. Electromagnetic strip mills' driving rollers metallization advanced techniques  
Petra Motoiu, **Daniela Dumitrescu**, Cornel Fratila, Ion Trusca, Dacia Trusca, Scientific Conference UgalMat 2007, 19-20 October 2007, Galați, Galați University Press, The Annals of „Dunarea de Jos” University of Galați, Fascicle IX. Metallurgy and Materials Science, No. 2-2007, ISSN 1453-083X, pag.23-25.
  22. Superficial hardening of leading edges of steam turbine blades by high velocity oxygen fuel thermal spray process  
Petra MOȚOIU, Ion TRUSCA, Corneliu MUNTEANU, **Daniela DUMITRESCU**, Germany, Nürnberg, EUROMAT 2007 Congress, 08 – 15 September 2007.
  23. Studies about metallic powder processing to realize hollow electrode with composite structure  
P.Motoiu, **D.V. Dumitrescu**, C. Popescu, I.Truşca - The 5<sup>th</sup> Conference “New Research trends in material science” ARM-5, Proceedings, volume I, pag.282-284, Sibiu, Romania, September 5<sup>th</sup>– 7<sup>th</sup>, 2007.
  24. Study of composite material for hardfacing to counteract the tooling damage  
Petra Motoiu, **Daniela Violeta Dumitrescu**, Gabriela Popescu, Horia Binchiciu, Corneliu Munteanu, Bulletin of the Polytechnic Institute of Iași, Tome LIII, (LVII), Fascicle 1, Iași 2007, ISSN 1453-1690, pag.105-112
  25. Study of unique feature for tubular composite material  
P.Moțoiu, **D.Dumitrescu**, G.Popescu, C.A.Popescu, H.Binchiciu- International Conference on Materials Science and Engineering– BRAMAT 2007, Proceedings, Publisher University „Transylvania” Brașov, Romania, 22-24 February 2007, ISSN: 1223-9631, pag.128
  26. The pollution's involve with heavy metals in Copșa Mică area  
**Daniela DUMITRESCU**, s.a., National Conference of Metallurgy and Materials Science (Romat 2006), Proceedings, September 28-29, 2006, Bucharest, Romania, Ed. PRINTECH, pag.343-350, ISBN: 978-973-718-534-1.
  27. Tubular composite material for hardfacing layers with protection appliance against abrasive wears  
Petra Moțoiu, Gabriela Popescu, H.Binchiciu, **D.Dumitrescu**, S.Ivănescu, C.Frățilă, F.Stoiciu, 4<sup>th</sup> International Conference on Materials and Manufacturing Technologies (MATEHN'06), Proceedings, Cluj-Napoca, Romania, September 21-23, 2006, Publisher RISOPRINT, pag.174, ISBN: 973-751-300-2. MATERIALS AND TECHNOLOGIES Book Series: ADVANCED MATERIALS RESEARCH Volume: 23 Pages: 213-216 Published: 2007
  28. The impact aspects of the pollution factors generated by metallurgy industry  
**Daniela DUMITRESCU**, s.a., Scientific Bulletin of the „Polytechnic” University of Timisoara, Transactions on Mechanics, Tom 51 (65), Fascicle 1, Timișoara 2006, pag.327-334, ISSN 1224-6077
  29. Tendencies in the field of the antimonium metallurgy  
**D.Dumitrescu**, s.a - Metallurgy and New materials Researches, Vol.XIII, No.3/2005, pp 51-62, Bucharest, ISSN 1221-5503
  30. Determination kinetic parameters of the wet oxidation process of antimony  
**Daniela DUMITRESCU**, s.a. - International Conference on Materials Science and Engineering – BRAMAT 2005, Proceeding, Publisher University „Transylvania” Brașov, Romania, 24-26 February 2005, ISBN: 973-635-454-7
  31. Wet oxidation process's optimization of antimony from anodic slime  
**D.Dumitrescu**, s.a. - “Scientific Bulletin” UPB, Bucharest, Series B, Vol. 67, No.1, 57-64, București 2005, ISSN 1454-2331
  32. Experimental researches regarding behaviour of the hydrometallurgical oxidation of the antimonium  
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