

CURRICULUM VITAE



Personal informations	Name	Mihaiescu Daniel-Cristian
	Phone, E-mail	+40 751283316 danielcristian2000@yahoo.com
Professional experience	Period	From April 2014 – Present
	Position held	PhD eng. Scientific Researcher III
	Main activities/Domain	Research and development activity in the Metal Resource Valorisation Technologies Laboratory / Applied Research
	Name and address of employer	INCDMNR-IMNR, 102 Biruintei Blvd., Pantelimon, ILFOV
	Period	From April 2007 to May 2010
	Position held	Specialist engineer
	Main activities/Domain	Team member of CEEEX no. 236/2006 Research project development; Research areas – obtaining and characterisation of multifunctional materials (MCM - carbon, composites, advanced materials)
	Name and address of employer	Metallurgical Research Institute (ICEM SA), 39 Mehadia Street, Bucharest
Education	Period	EQF8 - September 2009 to March 2015; EQF7- October 2006 to February 2008; EQF6 - October 2000 to June 2006
	Qualification / Diploma	<ul style="list-style-type: none">• EQF8; PhD in Chemical Engineering Field; Thesis title: Characterization of complex industrial waste materials, metallurgy and processing sectors of coal energy in order to reduce environmental pollution, with expertise in identifying and complex characterizing of these materials through optical microscopy• Graduate– Diploma of „ICCP Training Course on Dispersed Organic Matter. Organic petrology”; September 10-16, Porto, 2011• EQF7; Master degree in Metallurgical field; Master Specialization: "Special procedures for obtaining molded parts";• EQF6; Graduate – Diploma of Diplomat Engineer; Bachelor work: "Research on obtaining molded composite material from system: Al - graphite particles";
	Acquired competences	Petrographic determinations - structural composition, physico-chemical characterization of MCM, coal, coke, powdery materials and waste in the metallurgical field
	Name and type of educational institution	POLITEHNICA University from Bucharest: Faculty of Applied Chemistry and Materials Science, 1-7 Polizu Street; Faculty of Materials Science and Engineering, 313 Splaiul Independentei Street
More information		Publications <ol style="list-style-type: none">1. Predeanu, G., Lambescu, S., Slăvescu, V., Mihăiescu, D., Călinescu, I., Chipurici, P., Panaiteanu C., Gavrilă, A. 2008. Wastewater treatment by the use of some new carbon based adsorbents. Chemical Engineering Transactions, vol.15, pp. 231-239. ISBN 978-88-95608-09-9, http://www.aidic.it/cet/08/15/031.pdf2. Predeanu, G., Lambescu, S., Slăvescu, V., Panaiteanu, C., Mihăiescu, D., 2008. "MCM manufacturing from renewable raw materials", Metallurgy and New Materials Researches (Journal), vol XVI, nr.2, pp. 31-43, ISSN 1221-55033. G., Predeanu, S. Lambescu, V. Slăvescu, D. Mihăiescu, I. Călinescu, P. Chipurici, P. Avram, C. Panaiteanu, I. Vacarciuc and A . Pătruț, „Modern approach of the wastes recycling for the production and use of high grade carbon adsorbent”, Vol.III, Nicolae Vasiliu, Lanyi Szabolcs (Eds.) Technical Publishing, Braşov, 2008, p. 236.1-236.6, ISSN 1844-70904. G. Predeanu, S. Lambescu, V. Slăvescu, D. Mihăiescu, E. Ciovică, I. Călinescu, P. Chipurici, A. Gavrilă, A. Trifan, „Innovative ecomaterials and technology for wastewaters purification”, 2008, Abstracts book, 1-7. Editor Marc Morell, ISBN 978-608-4510-00-05. Mihaiescu, D., C., Predeanu, G., Panaiteanu, C., Characterization of blast furnace wastes dust, UPB Scientific Bulletin, Series B, vol. 76, Iss. 1, 2014 (B+)6. Predeanu, G., Mihaiescu, D., C., Panaiteanu, C., Study on morphology, structure and composition of some technological wastes released from blast furnace operation, JOURNAL OF CHEMISTRY, vol. 66, n^o. 4, 2015 (isi)7. Mihaiescu, D., C., Panaiteanu, C., Predeanu, G., Petrographic assessing of combustion waste products quality resulting from Berbeşti lignite burning in Govora power plant, JOURNAL OF CHEMISTRY, vol. 66, n^o. 6, 2015 (isi)8. Vatui et al, Synthesis and Characterization of Composite Membranes Based on Carbon Functionalized with Gold Nanoparticles, Materiale Plastice, vol.56, n^o2, 2019 (isi) <ol style="list-style-type: none">1. Participation with poster (co-author) - „Evaluation of some blast furnace solid wastes composition by optical microscopy”, “63rd Annual Meeting of the International Committee for Coal and Organic Petrology”, September 10-16, 2011, Porto, Portugal2. Participation with poster (co-author) - „Arsenic removal by tailored carbon-iron/oxide micro- and nanoparticles”, The 9th edition of the National Seminar of nanoscience and nanotechnology, Applications in other fields (31) – Romanian Academy, march 16, 2010, Bucharest, Romania, http://www.romnet.net/ro/seminar16martie2010/program_lucrari_poster.htm3. Participation with poster (co-author) - Intensifying the recovery of useful elements (Si, Mg, Fe) from serpentinite waste by the use of synergic influence of microwave irradiation fields and advanced material grinding effects” la “19th Romanian International Conference on Chemistry and Chemical Engineering”- RICCCE 19, September 2-5, 2015, Sibiu, Romania4. Participation in the International Conference program committee, “Investigation of rare Earth metals leaching process for Neodymium recovery from scrap Nd-Fe-B Magnets”- 11th Edition of International Symposium “Priorities of Chemistry for a Sustainable Development” PRIOCHEM, Bucharest, Romania, 29-30 Oct. 2015, ISBN-2345-3645;5. Participation in the International Conference program committee, “Influence of the electromagnetic irradiation pre-treatment on the separation process in wet medium of the mesoporous silica with low iron content from serpentinite minerals”- 11th Edition of International Symposium “Priorities of Chemistry for a Sustainable Development” PRIOCHEM, Bucharest, ROMANIA, 29-30 Oct. 2015, - ISBN-2345-3645;6. Poster participation (first author)- Eco-efficient and sustainable revitalization of land contaminated with heavy metals. Characterization of natural zeolites before and after the sorption process of Cu and Pb – Priochem edition 13 -Priorities of Chemistry for Sustainable Development, section Environmental Engineering and Cultural Heritage Protection, Bucharest, Romania, 25-27.oct.20177. Participation with oral presentation (first author) - “New technological concept for the eco-efficient and sustainable revitalization of industrial land abandoned by immobilization of compounds containing toxic metals”, Supermat Workshop, Bucharest, Romania, 20-22 nov.20178. Participation with poster (co-author) – “Advanced wastewater treatment using nanomagnetites to remove heavy metals ions” – Simpozionul Stiintific National cu participare internationala “Mircea Savul”, Iasi, Romania, oct. 20189. Participation with poster (first-author) Microscopic investigations of the flotation tailings from Baia Mare Central Pond for highlighting the sulphides, Mihaiescu Daniel-Cristian, Vatui Alexandra-Georgiana , Valsan Sorina-Nicoleta, Stoiciu Florentin, Ghita Andreea Nicoleta, Burada Marian, Ghita Mihai - Third Edition of the Conference of the Romanian Electron Microscopy Society, CREMS 2019, Poiana Brasov, Romania, 23-25 oct. 2019 Invention patent <ul style="list-style-type: none">• “A process for purifying air and wastewater with organic chemical loads using charcoal made from recyclable material”, Romanian Patent N^o 125293, OSIM, 2008 : RO125293-A2, 2013 National/International projects-coordinated <ul style="list-style-type: none">• PN 16 20 01 03; 12 N/10.03.2016, Core Founding; <i>New Technological Concept for Efficient and Sustainable Revitalization of abandoned industrial land by immobilizing compounds containing toxic metals</i> National/International projects- participant <ul style="list-style-type: none">• Contract research: Cofund-Eranet-Eramin-Minteco 51/2018; Eco-integrated technology for selective recovery of basic and precious metals from Cu and Pb mining waste• Contract research: 16/2016 ERAMIN Program 2016 – 2019 (UEFISCDI) -<i>Recognition of microbial functional communities and assessment of the mineralizing potential (bioleaching) for high-tech critical metals;</i>• Contract research: 23N/2018, PN 18 07 03 01- Innovative technological solutions for functionalization of carbon based materials with low impact on the environment• Contract research: 7-074/2013/1.06.2013, FP7 ERANET MANUNET/ 2013-2015 (UEFISCDI)-<i>New approached for SiC and Si3N4 obtaining via polymer nanocomposites and their use for structural ceramics</i> -NASIPONAC;• Contract research: 78/01.07.2014 PNII-PCCA Tip2 2014-2016 (Univ.Buc./UEFISCDI) - <i>Wastewater treatment through flocculation-oxidation processes mediated by flocculants and catalysts derived from red mud – WATOPREM;</i>• Contract research: CEEEX no. 236/2006; „Inovative technologies for the obtaining and use of multipurpose carbonaceous materials (MCM) by waste recycling for environmental protection applications” 2006-2009 Hirsch index ≈ 8 citations