

Curriculum Vitae



1. **Last Name:** Drăguț
2. **First Name:** Valentin- Dumitru
3. **Date and Place of Birth:** 19.12.1985, Bucharest, Romania
4. **Citizenship:** romanian
5. **Marital Status:** single
6. **E-mail :** dragutv@imnr.ro
7. **Education:**

Institution	Period	Degrees or diplomas
Politehnica University of Bucharest	10.2004 – 10.2009	Engineer Diploma
Politehnica University of Bucharest	10.2009- 09.2012	PhD diploma

8. Professional experience:

Institution	Period	Position	Description
INCDMNR-IMNR	02.2008-02.2009	tehnician	XRD Laboratory
INCDMNR-IMNR	12.2012-09.2017	CS	XRD Laboratory
INCDMNR-IMNR	09.2017-present	CS III	XRD Laboratory

9. Foreign Languages: English, French

10. Patents :

RO130172A2, BOPI 7/29.07.2016, "Procedeu de purificare a mineralelor de magneziu de tipul silicatilor naturali".

RO131328B1 BOPI 4/30.04.2019, "Procedeu de preparare a spumelor ceramice pe bază de noroi roșu."

11. Publishing :

1. **Drăguț Dumitru Valentin**, Petru Moldovan, Mihai Butu, Emilia Usurelu, Characterisation of in situ AA 6060/AlB2 metal matrix composite, U.P.B. Scientific Bulletin, vol.3, Nr.4, 2011, pg.161-170
2. **Drăguț Dumitru Valentin**, Petru Moldovan, Mihai Butu, Thermodynamics and Mechanism of Metalothermic Reduction of Molten Salts, Revista de Chimie, vol.3, nr.3, 2011
3. M. Burada, I. Constantin, **V. Drăguț**, M. Ghiță, A. Caragea, F. Vijulie, "Microstructure and characterization of an aluminum alloy with improved characteristics obtained by mechanical alloying", Metallurgy and New Materials Researches, vol. 22, no.3 (2014), 23-30
4. **D.V.Dragut**, P.Moldovan, M.Butu, L.M.Besea, E.A.Preda, In situ development of AlBx/AA6060 and AA5083 alloys cast composites, Composites Part B: Engineering, Volume 97, 15 July 2016, Pg. 9–17
5. **D.V.Dragut**, V.Badilita, A.M.Motoc, R.R.Piticescu, J.Zhao, H.Hijji, L.Conte, "Thermal stability and field assisted sintering of cerium-doped YSZ ceramic nanoparticles obtained via a hydrothermal process", Manufacturing Review, Vol.4, nr. 11, 5 april 2017.

12. Other Specializations and Qualifications: Licence level 1 for working in nuclear area , Working license in nuclear field, level 1; certificate for graduating RENAR course – - "cerinte generale pentru competenta laboratoarelor de incercari si etalonari" – presenting SR EN ISO/CEI 17025:2005 , 19 - 21 november 2014.

13. Projects – Coordonator : Program National Fond Nucleu PN 16200402 – "Evaluarea stabilitatii structurale indusa termic in materialele avansate pe baza de zirconie dopata cu pamanturi rare", 2016-2017

Team Member:

- **1. 1/04.05.2017 /PN III – ERANET/ NANOVIBER**, "Demonstarea transnationala a conceptului de micro/nanoparticule spintronice pentru terapia vibrationala non-termica a glioblastomiei".

- **2. MANUCOAT -7-073/07.06.2013**, "Proces de productie integrat pentru aplicatii textile si protectia lemnului".
- **3. 78/01.07.2014 WATOPREM** – "Tratarea apelor reziduale prin procedee de floclurare-oxidare mediate de flocluranti si catalizatori derivati din namol rosu".
- **4. 645758, Horizon 2020 MSCA RISE, 2015 – 2019**, "Dezvoltarea unei metode ne-invazive de testare a respirației pentru diagnosticul timpuriu al bolilor tropicale" – **TROPSENSE**.
- **5. ERA-NET 2 Proiect MONAMIX** – "Noi concepte pentru extracția eficientă a oxizilor de pământuri rare din concentrate de monzită și potențialul lor de utilizare în acoperiri pentru temperaturi ridicate și materiale sinterizate".

14. Training

- 2009 – 4 months in France at Polytechnic University of Lille, Erasmus scholarship
- 2011 – 4 months in Belgium at KUL Leuven, PhD training
- 2016 – 1 month in Sweden, Uppsala, MOLECULAR FINGERPRINT SWEDEN AB from Uppsala – secondment for TROPSENSE — H2020-MSCA-RISE-2014
- 2018 – 1 month in Morocco, Meknes, at Moulay Ismail University - secondment for TROPSENSE — H2020-MSCA-RISE-2014
- 2018 – 1 month in Sweden, Uppsala, MOLECULAR FINGERPRINT SWEDEN AB from Uppsala – secondment for TROPSENSE — H2020-MSCA-RISE-2014

I hereby state on my own responsibility that the data presented is accurate.

Date: 12.09.2019