

Mariana Lucaci
Dr. Ing., CS I



**Absolventa a UPB Bucuresti – Facultatea Metalurgie Extractiva
–Sectia Siderurgie**

Dr. Ing. In Stiinta si Ingineria Materialelor din anul 2001

- Compusi intermetalici refractari cu baza Ni

- Coordonator, Prof. Dr.Ing. Mihai Cojocaru

Locuri de munca

- Intreprinderea de Osii si Boghiuri (IOB) – Bals – inginer Stagiar – 1983
- METAV (ICPPFTA, IMRA) – 1983- 2000 – Laboratorul Metalurgia Pulberilor
- IEA – Instalatii Electrice si Automatizari - Proceduri AQ si CTC – 2001
- **INCDIE ICPE-CA - 2001 – in prezent**

Din 2010 – Sef Departament Materiale Avansate

In perioada 2007 – 2008 – a asigurat Secretariatul Consiliului Stiintific al INCDIE ICPE-CA

Din 2011 – Membru ales al Consiliului Stiintific al INCDIE ICPE-CA

Din 2011 - Membru in Comitetul de Directie al INCDIE ICPE-CA

Activitate didactica si vizibilitate nationala si internationala

- ✓ **Coordonator tehnic** in prepararea tezelor de dizertatie a unor studenti care si-au terminat studiile in 2003 la Universitatea Politehnica din Bucuresti si Universitatea Valahia – Targoviste, Romania.
- ✓ **Membru al asociatiilor profesionale:** RoPM, ARM, Alianța pentru Hidrogen și Celule de Combustie-H₂FC-RO, IEEE
- ✓ **Expert evaluator** in cadrul programelor europene FP7, **Evaluator (Expert ID EX2002B034735)** in cadrul programului **Research Funds for Coal and Steel (RFCS)** in 2012, **Evaluator** Grant CNCISIS in 2003, **Evaluator** MATNANTECH in 2005, PNII in 2007, **Expert evaluator/Raportor** in cadrul programelor coordonate de UEFISCDI: PNCDI III - Program 2 - Subprogram 2.1. Proiecte de Transfer la Operatorul Economic-PTE-2016, PNCDI III, Subprogramme 3.5, EUREKA Network/EUREKA Clusters 2016, **Monitorizare tehnico-stiintifica** pentru proiecte in derulare M-ERA.NET (activitati planificate de UEFISCDI in decembrie 2016)
- ✓ **Evaluator tehnic** la revista Journal of Alloys and Compounds din 2011, Materials Science and Engineering C din 2016
- ✓ **Contributie la elaborarea studiului prospectiv** in domeniul nanomaterialelor si nanotehnologiilor – **Nonoprospect – 2010-2013**
- ✓ **Contributie in cadrul panelului de Materiale la elaborarea Strategiei Nationale CDI 2014-2020 si a Viziunii CDI**

Activitatea stiintifica

Articole publicate: 124, din care articole cotate ISI: 10, ISI Proceedings: 18, BDI: 28, in volumele unor manifestari stiintifice internationale recunoscute: 58, in alte reviste recunoscute: 3, in volumele unor manifestari stiintifice nationale: 7, comunicari: peste 100. **Citari: 92 si h-index: 4 in Google Scholar**

Activitate stiintifica in domeniul materialelor pentru aplicatii structurale

1 M. Lucaci, C. D. Vidu, E. Vasile, M. C. Bunescu, N. Moldovan, Tests to Obtain a Sintered Ni-base Material using Elemental Powders, Cercetari Metalurgice si de noi Materiale (Romania), Vol. 4, No. 3 (**1996**), p. 90-100.

2 M. Lucaci, C.D. Vidu, E. Vasile, M.C. Bunescu, Tests to Obtain a Sintered Nickel-Base Material using Elemental Powders, EUROMAT 97: Proceedings of The 5th European Conference on Advanced Materials and Processes and Applications: Materials, Functionality & Design, Maastricht Netherlands, Vol. 1, p. 207-210, Apr. 21-23, 1997,

3 M. Lucaci, E. Vasile, C. D. Vidu, C. M. Bunescu, M. Cojocaru, P/M Production of a Nickel Base Superalloy D*_g Precipitation Hardened using Elemental Powders, MATEHN'98: The Second International Conference on Materials and Manufacturing Technologies, p. 633-638, 1998, indexat in Google Scholar.

4 M. Lucaci, E. Vasile, C. D. Vidu, M. C. Bunescu, PM Production of a Ni-Base Superalloy Y'-Precipitation Hardened, using Elemental Powders, PM 98: 1998 Powder Metallurgy World Congress & Exhibition, p. 5, 1998,

5 M. Lucaci, R.L. Orban, M. Lazarescu, S. Gavrilu, m. Lungu, D. Patroi, Obtaining of Ni Base Intermetallic Alloys by Solidification Control, Advanced Materials Research (Trans Tech Publications), ISSN 1022-6680, Vol. 23, p. 283-286, Oct. 2007.

6.M. Lucaci, D. Patroi, V. Tsakiris, M.V. Lungu, E. Manta, A. Iorga, Studies on Fe-Cr-Ni-Si-B Bulk Metallic Glass for Automotive Applications, Advanced Materials Research, ISSN: 1662-8958, Vol. 1114, p. 68-75, July 2015, Trans Tech Publications, Switzerland.