



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **DORIN NICOLAE DADARLAT**  
Address(es) INCDTIM – 67-103 Donat Str, Cluj-Napoca, Romania  
Telephone(s) +40-264-584037 int. 178 Mobile:  
Fax(es) +40-264-420042  
E-mail [ddadarlat@itim-cj.ro](mailto:ddadarlat@itim-cj.ro) [ddadarlat@gmail.com](mailto:ddadarlat@gmail.com)  
Nationality romanian  
Date of birth April 11, 1953  
Gender male

### Desired employment / Occupational field

**researcher**

### Work experience

Ian 1999 - present Scientific researcher I degree at National R&D Institute for Isotopic and Molecular Technology, Cluj-Napoca. Experience in: magnetism, phase transitions and critical phenomena, lasers and diode lasers based on lead chalcogenides, pyroelectric sensors and selective IR semiconducting sensors, photothermal phenomena

Dec. 1981- Ian 1999 Scientific researcher III, II degree at National R&D Institute for Isotopic and Molecular Technology, Cluj-Napoca. Experience in: magnetism, phase transitions and critical phenomena, lasers and diode lasers based on lead chalcogenides, pyroelectric sensors and selective IR semiconducting sensors, photothermal phenomena

Sept. 1977 – dec. 1981 Physicist at “Tehnofrig” Enterprise Cluj-Napoca. Experience in: Physico-chemical control of iron based alloys

Occupation or position held Scientific Researcher I degree, Head of “Photothermal Phenomena Group”.

Main activities and responsibilities Research in photothermal calorimetry

Name and address of employer National R&D Institute for Isotopic and Molecular Technology Cluj-Napoca, 67-103 Donat Str., 400293 Cluj-Napoca

Type of business or sector Non-profit institute

### Education and training

1979-1982 PhD student at Faculty of Physics, "Babes-Bolyai" University, Cluj-Napoca. PhD in physics in 1982 with the thesis entitled “ The Magnetic Properties of Some Chromium Based Alloys”.

Sept. 1976 – sept. 1977 Specialization in solid state physics at Faculty of Physics, "Babes-Bolyai" University, Cluj-Napoca

Sept. 1972 – sept. 1976 student at Faculty of Physics, "Babes-Bolyai" University, Cluj-Napoca, 1976 MS in Physics

Name and type of organisation providing education and training

- *Schools*: Winter School on Laser Physics, Trieste 1988
- *Specializations in laboratories of other countries*
- “ Lebedev ” Institute of Physics, Moscow, in 1986, 1988
- “ Tor Vergata ” University, Rome, in 1992, 1993, 1999, 2006, 2007
- “ Wageningen Agricultural University ”, Holland, in 1993, 1994, 1995, 1996, 1997, 1998, 2003
- University of Reims, in 1998
- “Universite du Littoral”, Dunkerque, in 2000, 2001, 2002, 2004, 2006, 2008, 2009, 2010, 2012, 2015
- University of Campinas, Brazil, in 2000
- University of Nova Gorica, in 2014

**Personal skills and competences**Mother tongue(s) **romanian**

Other language(s)

Self-assessment

*European level (\*)***Language****Language**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	english	C1	english	C1	english	C1	english	C1	english
C1	french	C1	french	B2	french	B2	french	B1	french

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

Organisational skills and competences

**Experience accumulated in national/international projects.**

- Director/Coordinator of more than 10 national projects;
- Coordinator from Romanian part of two international projects, financially supported by EC, BRITE-EURAM III ( BRRTCT960039) si INCO-COPERNICUS (15CT961003);
- Director for Romania at international cooperations (bilateral projects) with: 'Tor Vergata' University Rome, Italy, Universte du Littoral, Dunkerque, France, Agricultural Univerity Wageningen, Holland
- Member in the research team of a FP7-Project: FP7-NMP-2008-LARGE2, MagPro2Life- Advanced Magnetic Nanoparticles Deliver Smart Processes and Products for Life

Technical skills and competences

- Elaborated and/or Published Papers:**
- 3 book chapters (eds: SPIE, INTECH, Kerala)
  - 158 papers (122 in international journals)
  - 132 scientific communications (72 int. conf, 14 invited papers)
  - citations nr. (excluding self-citations): 212
  - h-index: 17

**Patents:** co-author at 4 patents

Other skills and competences

Sports: lawn and table tennis, swimming, ski

Driving licence

I have a Romanian driving licence

**Additional information**

- In 1984 I received the prize « Constantin Miculescu », awarded by the Romanian Academy of Science, for contributions in the field of the detection of radiation.
- Member in editorial board of "Journal of Advanced Thermal Science Research" – ISSN (online): 2409-5826
- I am referee at J. Food Engn., Meas. Sci. Technol, Int.J. Thermophysics, J. Phys. D- Appl. Phys., Instr. Sci. Techn., Food Biophysics, J. Physics: CS, Appl. Phys. A, Central European J. Phys., Int. J. Mol. Sci., J. Mat. Sci., Thermochemica Acta, Int. J. Thermal Sci., etc
- Member in advisory board to regular conferences as: "International Conference of Photoacoustic and Photothermal Phenomena", "Winter School on Wave and Quantum Acoustics", "Advanced Laser Technology", Conference on Photoacoustic and Photothermal Theory and Applications, etc
- Member in PhD and HDR juries in Romania and France.
- Member in Romanian Physical Society.