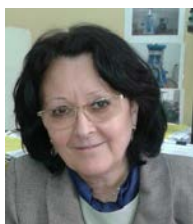


PERSONAL INFORMATION

Doina Dimonie



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✉ ddimonie@yahoo.com

Sex Female | Date of birth 31/07/1952 | Nationality Romanian

WORK EXPERIENCE

2000–Present	Senior researcher I / Leader of multiphase materials team
Name and address of employer	Research and Development National Institute for Chemistry and Petrochemistry - ICECHIM 202, Splaiul Independentei, 060021 Bucharest, Romania www.icechim.ro
Main activities and responsibilities	Director of research projects related to development of new multiphase renewable polymeric materials for industrial and non-industrial applications (medicine, food industry, non-food industry).
Business or sector	Research
1995–2000	Senior researcher II
Name and address of employer	Research and Development National Institute for Chemistry and Petrochemistry - ICECHIM 202, Splaiul Independentei, 060021 Bucharest, Romania www.icechim.ro
Main activities and responsibilities	Director of research projects related to development of new materials based on technopolymers for building and other applications.
Business or sector	Research
1989–1995	Senior researcher III
Name and address of employer	Research and Development National Institute for Chemistry and Petrochemistry - ICECHIM 202, Splaiul Independentei, 060021 Bucharest, Romania www.icechim.ro
Main activities and responsibilities	Director of research projects related to the development of new materials based on water-soluble polymers or based on polymer with cycles in the basic monomeric unit (linear dicyclopentadiene, polyethersulfone etc.)
Business or sector	Research
1984–1989	Researcher
Name and address of employer	Research and Development National Institute for Chemistry and Petrochemistry - ICECHIM 202, Splaiul Independentei, 060021 Bucharest, Romania www.icechim.ro
Main activities and responsibilities	Director of research projects related to mechanical recycling of secondary polymers from post consume goods.
Business or sector	Research
1979–1984	Chemical engineer
Name and address of employer	Research and Development National Institute for Chemistry and Petrochemistry - ICECHIM 202, Splaiul Independentei, 060021 Bucharest, Romania www.icechim.ro
	Director of two projects related to mechanical recycling of secondary polymers through physical

Main activities and responsibilities modification.

Business or sector Research

EDUCATION AND TRAINING

1991–1997 **Doctor of Engineering** ISCED 5
Organisation providing education Polytechnic University of Bucharest, Bucharest, Romania

1971–1976 **Chemical Engineer, Chemistry and Technology of Macromolecular Compounds** ISCED 6
Organisation providing education Polytechnic Institute of Iasi, Faculty of Industrial Chemistry, Iasi, Romania

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s) Self-assessment	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Professionalism, strong work ethic, self-motivated, persuasive, good team worker, communication skills, sociable person, etc.

Organisational / managerial skills Experience in management of research projects, founding of Multiphase Materials research team, arranging laboratories, gaining new grants, guarantee of optimal conditions for running the research activities of the team.

Job-related skills

- Industrial technological analysis with proposals to improve the quality of production;
- Participation in the design of industrial lines for the application of new developed technologies;
- Putting into operation of new research equipment. Identifying optimal equipment for flow integration.

Computer skills Origin Pro, Table Curve, Data Fit, Mathcad, Matlab, Sigmaplot, Microsoft Office etc.

ADDITIONAL INFORMATION

Scientific, technical and academic activity, Areas of interest

- Chemistry and physico-chemistry of polymers; Polymer structure – property relationship / molecular and crystal orientation as related to the mechanical strength, durability, hydrophilicity and hydrophobicity, diffusion and barrier properties, adhesion, bondability etc.
- Polymer chemical functionalization / chemical mechanism of polymer protections;
- Polymer compatibilization. The usage of thermodynamical principles in developing new multiphase polymeric materials. Surface treatment of inert fillers;
- Environmentally, bio compatible new multiphase polymeric materials based on conventional and

- renewable polymers / detailed characterisation in accordance with application requirements;
 - Plastic formulation for achieving desired properties / methods for testing the additive efficiency; polymer recycling;
 - New active - bioactive / smart multiphase materials for medical / industrial / social applications
 - Polymer Science and Technology;
 - Rheology of polymer melt processing;
 - Environmental and Biomedical multiphase polymeric materials / biodegradation and biocompatibility;
 - Nanoscience and nanotechnology .
- Publications**
- 78 articles of which 43 articles in international ISI journals and 36 as main author);
 - 35 non ISI articles (25 as main author);
 - 4 book chapters (3 as main author);
 - 140 papers at national and international scientific events.
- Patents**
- 19 patents and 3 request patents under evaluation;
 - Gold Medal "Inventica 2008" Bucharest patent Ro.121692 (main author);
 - Bronze medal "Inventica 2011" Bucharest patent Ro.125305 (main author).
- Research Contracts**
- Director of 33 research grants and responsible of other nine grants;
 - 30 new products;
 - 30 new technologies.
- Didactic activity**
- Coordination of master thesis.
- Other**
- *Reviewer* (2002-2015): Polymer International, Jurnal of nanomaterials, International Journal of Polymer Science, Journal of Polymer Research, Materials Chemistry and Physics, International Journal of Polymer Science, World Journal of Engineering and Physical Science, World Journal of Engineering and Physical Science, Journal of Polymer Engineering, OMICSPUBLISHING GROUP/BIOBIO, etc.
 - *Evaluator*: Relansin (2002-2004), CEEX (2005-2006), Capacities (2008: Evaluation of project: "Development of a Laboratory for Technology Analytical Process - Extension 1", acronym PATLAB-E1, contract no. 172/2008, Research and Development National Institute for Electrochemistry and Condensed Matter INCEMC Timisoara, project director prof. Van Staden Jacobus Frederick), YOUNG RESEARCH TEAMS 2015 / PN –II-RU-TE-2014-4, Heterocyclic macromolecular compounds for high performance materials designed for application in microelectronics and information technology industry / Acronym:HetMicroIND))
- Reference persons**
- prof.Comelia Vasile (cvasile@icmpp);
 - prof.Mircea Teodorescu, (mirceat@tsocm);
 - prof.Iovu Horia(iovu@tsocm.pub.ro) ;
 - dr.Oancea Florin(florino@ping.ro).