

Curriculum vitae



Personal informations

First name / Surname **BUCĂTARIU FLORIN**

Address(es) „Mihai Dima” Functional Polymers Department,
„Petru Poni” Institute of Macromolecular Chemistry,
Str. Aleea Grigore Ghica Vodă, 41A, 700487-Iași, Romania

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Date of birth 31 december 1976

Marital status Married, 2 girls

Work experience

Period	2001-2008	2008-2018	2018-present
Function	Research assistant	Scientific researcher	Scientific researcher III
Employer	„Petru Poni” Institute of Macromolecular Chemistry, Str. Aleea Grigore Ghica Voda, 41A, 700487-Iasi, Romania		
Type of activity	Fundamental research in the field of Macromolecular Chemistry		

Education and training

Period	1996-2000	2000-2002	2006-2007
Diploma	License in Chemistry and Physics	Master Solid Chemistry	Master Polymeric Biomaterials
Disciplines	Organic Chemistry, Analytical Chemistry, Macromolecular Chemistry, Chemistry-Physics, Anorganic Chemistry, Biochemistry, Mathematics, Physics etc.	Chrystallochemistry, Metal-organic Compounds, Analytical Chemistry of the Environment, Amorphous State Chemistry, Physical Methods for Structural Determination of Solid Compounds etc.	Polymeric Biomaterials and Smart Polymers, Supramolecular Chemistry, Natural polymers and Biodegradation, Characterization Methods for Polymers, Polymeric Composites, Research Management, Polymer Rheology, etc.
Institution	„Al. I. Cuza” University of Iași, Faculty of Chemistry	„Al. I. Cuza” University of Iași, Faculty of Chemistry	„Ghe. Asachi” Technical University of Iași, Faculty of Chemical Engineering and Environmental Protection

PhD Thesis

Title/Institution *Controlled adsorption of polyelectrolytes onto solid surfaces and subsequent reactions on adsorbed layer*
„Petru Poni” Institute of Macromolecular Chemistry, Iași

Scientific supervisor C.S. I Dr. Ecaterina Stela Drăgan

Defence 17 December 2009

Special courses

Title	Structure of organic compounds and polymers. Theoretical aspects and investigations methods	Association Phenomena in Bulk, Solution and on Surfaces and Surface Modification
Period	04.06– 20.10.2001	10-14.03.2003
Institution	„Petru Poni” Institute of Macromolecular Chemistry, Iași	Dresden University of Technology

Research stages

Period	15.04 – 14.07.2002 (IPF) 01.02 – 02.03.2011 (IPF) 01– 31.03.2012 (IPF)	01.02 – 31.12.2003 (IPF) 09-15.05.2011 (IPF) 23 – 31.07.2012 (IPF)	01.02 – 31.12.2004 (IPF) 08 – 16.08.2011 (UA) 01 – 14.11.2012 (IPF)	01.02 – 31.12.2005 (IPF) 11-17.12.2011 (TUB) 06.10 – 07.11.2019 (IPF)
Institution	IPF = Leibniz-Institute of Polymer Research, Hohe Strasse 6, 01069 Dresden, Germany; UA = University of Antwerp, Belgium; TUB = Technical University of Braunschweig			
Field of work	Polyelectrolyte adsorption onto solid surfaces and peptide synthesis. Characterization methods: X-ray photoelectron spectroscopy (XPS), electrokinetic measurements, polyelectrolyte and potentiometric titrations, total organic carbon analysis.			

Personal skills and competences

Foreign languages	English	French	German
Autoevaluation	Good (writing, reading, speaking)	Good (writing, reading, speaking)	Acceptable (reading and speaking)
Computer skills and competences	Using and install programs: Windows, Microsoft Office (Word, Excel, Power Point), Origin, Chem Office, Isis Draw, Antivirus, Photoshop, etc. Documentation from Internet		
Social skills and competences	Communication abilities, creativity, efficiency, positive thinking, pleasure to work with people etc.		

Scientific research

author and co-author of 33 ISI articles, 2 books, 3 book chapters, 9 articles in proceedings, 7 conferences, 24 posters, 46 oral communications and 12 research grants.

Main publications

1. F. Bucatariu, E. S. Dragan, F. Simon, *Biomacromolecules*, 8, 2954 (2007).
2. E. S. Dragan, F. Bucatariu, *Macromol. Rapid Commun.*, 31, 317 (2010).
3. E. S. Dragan, F. Bucatariu, G. Hitruc, *Biomacromolecules*, 11, 787 (2010).
4. F. Bucatariu, F. Simon, G. Fundueanu, E. S. Dragan, *Colloid Polym. Sci.* 289, 33 (2011).
5. F. Bucatariu, G. Fundueanu, G. Hitruc, E. S. Dragan, *Colloids Surf. A* 380, 111 (2011).
6. F. Bucatariu, F. Simon, C. Bellmann, G. Fundueanu, E. S. Dragan, *Colloids Surf. A* 399, 71 (2012).
7. F. Bucatariu, C. -A. Ghiorghita, F. Simon, C. Bellmann, E. S. Dragan, *Applied Surf. Sci.* 280, 812 (2013).
8. F. Bucatariu, C. -A. Ghiorghita, E. S. Dragan, *Colloids Surf. B*, 126, 224 (2015).
9. F. Bucatariu, C.-A. Ghiorghita, A.-I. Cocarta, E. S. Dragan, *Applied Surf. Sci.*, 390, 320-327 (2016).
10. F. Bucatariu, C.-A. Ghiorghita, E. S. Dragan, *Colloids Surf. A* 537, 53-60 (2018).
11. F. Bucatariu, C.-A. Ghiorghita, D. Schwarz, T. Boita, M. Mihai, *Colloids Surf. A* 579, 123704 (2019).
12. F. Bucatariu, C.-A. Ghiorghita, M.-M. Zaharia, S. Schwarz, F. Simon, M. Mihai, *ACS Appl. Mater. Interfaces* 12, 37585-37596 (2020).
13. G. Barjoveanu, C. Teodosiu, F. Bucatariu, M. Mihai, *J. Cleaner Prod.* 272, 122672 (2020).
14. L.-M. Petrilă, F. Bucatariu, M. Mihai, C. Teodosiu, *Materials* 14, 4152 (2021).