

PERSONAL INFORMATION

MARIA MARUDOVA-ZSIVANOVITS



24 Tzar Assen str., 4000 Plovdiv, Bulgaria, University of Plovdiv "Paisii Hilendarski"

+359 32 261278

margo@uni-plovdiv.bg



Sex Female | Date of birth 03/06/1974 | Nationality Bulgarian

WORK EXPERIENCE

December, 2009 - present

Associated Professor

Department of Physics, Faculty of Physics and Technology, University of Plovdiv, <https://uni-plovdiv.bg/>

- Educational and scientific activities
- Lecturer in General physics, Polymer science, Application of polymers in medicine, Nanomaterials and nanotechnology

Business or sector Education and science

March, 2007 – December, 2009

Major assistant professor

Department of Experimental Physics, Faculty of Physics, University of Plovdiv, <https://uni-plovdiv.bg/>

- Educational and scientific activities

Business or sector Education and science

June, 2002 - March, 2007

Senior assistant professor

Department of Experimental Physics, Faculty of Physics, University of Plovdiv, <https://uni-plovdiv.bg/>

- Educational and scientific activities

Business or sector Education and science

January, 1999 – June, 2002

Assistant professor

Department of Experimental Physics, Faculty of Physics, University of Plovdiv, <https://uni-plovdiv.bg/>

- Educational and scientific activities

Business or sector Education and science

EDUCATION AND TRAINING

June 2004 – January 2007

PhD degree

Level-8 / EQF

Plovdiv University "Paisii Hilendarski", Faculty of Physics

- Chemistry of macromolecules
- Title of the PhD thesis: "Investigation of the pectin complexation with cationic polyelectrolytes"

1993 - 1998

MSc degree

Level-7 / EQF

Plovdiv University "Paisii Hilendarski", Faculty of Physics

- Engineering Physics
- MSc in Engineering physics, specialization Polymer physics

1986 - 1993

A level exam

Level-6 / EQF

Mathematical secondary school Plovdiv

- Mathematics and physics

PERSONAL SKILLS

Mother language(s) Bulgarian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1
Russian	C1	C1	B2	B2	B2
Hungarian	B2	B2	A2	A2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills ▪ Good communication skills gained through my experience as lecturer, PhD supervisor and project leader

Organisational / managerial skills ▪ Excellent organisational skills and competences gained in communication and team work as chairperson of organization committee of “International conference of food physics”; Erasmus faculty coordinator; head of laboratory of polymer physics.

Job-related skills ▪ Teaching and training BSc and MSc students
 ▪ Preparation and management of R&D projects

Computer skills and technical competencies ▪ Excellent skills in working with Microsoft Office™ and special software for data analysis – ORIGIN, TABLE CURVE
 ▪ Working with specific equipment - DSC, VISCOMETERS, DYNAMOMETERS, QCM, SPR, AFM

Driving licence B

ADDITIONAL INFORMATION

Specializations and participation in international programs

2015
 1 month fellowship at Faculty of Food science, Korvinus University, Budapest, Hungary.
 Research title “Investigation of physical, rheological and antibacterial properties of xanthan and alginate edible coatings”

2011
 1 month fellowship at Faculty of Food science, Leeds University, Leeds, UK.
 Research topic: “Investigation of rheological properties of polyelectrolyte multilayers”

2003
 Marie Quire Fellowship in Division of Food Materials Science at Institute of Food research, Norwich, UK
 Research topic: “Investigation of polyelectrolyte multilayers”

2002
 Marie Quire Fellowship in Division of Food Materials Science at Institute of Food research, Norwich, UK
 Research topic: “Investigation of pectin/chitosan complexes”

2001

Marie Quire Fellowship in Division of Food Materials Science at Institute of Food research, Norwich, UK

Research topic: "Investigation of pectin/poly-L-lysine complexes"

Memberships Union of physicists in Bulgaria

Scientific Interests

- Polyelectrolytes and polyelectrolyte complexes
- Drug delivery systems
- Study of the rheological behavior of polymer solutions, melts and colloidal systems
- The thermophysical characteristics of crystalline and semi-crystalline systems studied by differential scanning calorimetry
- Food physics

Monographies Marudova, M, Viraneva, A., Sotirov, S., Bodurov, I., Exner, G., Vlaeva, I., & Yovcheva, T. (2018). Innovative biopolymer nano-multilayered films for biomedical applications: Fabrication and physical properties. *Advances in Polymers for Biomedical Applications*, 2018, 1–27.

Publicity **H-Index (Indexed by Scopus or Web of Science):** **9**

Publications at Scholar Google

https://scholar.google.bg/citations?hl=en&user=RlywbeUAAAAJ&view_op=list_works&sortby=pubdate

Publications at Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=6508254869>

Total Number of Research Papers: **83**
Of them having Impact Factor or Impact Rank **56**

Total Number of Research Papers in the last 5 years **44**
Of them having Impact Factor or Impact Rank **32**

Total Number of Cited Research Papers **471**
Total Number of Cited Research Papers in the last 5 years **245**