

# MIHAI Mihaela Camelia Stefania

## Professor

University "POLITEHNICA" Bucharest  
Faculty of Applied Chemistry and Materials Science  
Department Chemical Engineering



### Contact information

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### Education and training

Dates	1968-1972
Title of qualification awarded	Chemical engineer
Principal subjects/occupational skills covered	Chemical engineering specialized in inorganic processes
Name and type of organisation providing education and training	University Politehnica of Bucharest
Level in national or international classification	Level A in Romanian universities ranking
Dates	1983
Title of qualification awarded	PhD in Chemical Engineering
Principal subjects/occupational skills covered	Mass transfer in biphasic systems, process optimization
Name and type of organization providing education and training	University Politehnica of Bucharest

### Professional experience

Dates	1972-1977
Occupation or position held	Chemical engineer
Main activities and responsibilities	Design engineer for inorganic processes
Name and address of employer	IPOCHIM Bucharest
Type of business or sector	Design
Dates	1972 - present
Occupation or position held	Teaching assistant, Lecturer, Assoc. Professor, Professor
Main activities and responsibilities	Lectures, projects, laboratory and seminars in the disciplines: Units Operation in Chemical Engineering, Optimization in Chemical Engineering, Transport processes in chemical engineering, Fluid Mechanics in Chemical Engineering, transport and Dissipation of Pollutants in Environmet, Statistical Control of Processes
Name and address of employer	University "Politehnica" of Bucharest
Type of business or sector	Higher education

## Academic and research interests

Simulation and Optimization in Chemical Engineering, Pollutants Transport and Dissipation in Environment, Mass Transfer in biphasic Systems.

## Teaching activity

<i>Studies</i>	<i>The name of Programme</i>	<i>Code</i>	<i>Course title</i>	<i>Activity type</i>
<i>Bachelor</i>	<i>Chemical and Biochemical Engineering</i>	UPB.11.S.05.O.504	<i>Hydrodynamic Processes Applied in Chemical Engineering</i>	<i>Lecture</i>
	<i>Environmental engineering</i>	UPB.11.T.06.O.111	<i>Unit Operation in Process Industry</i>	<i>Lecture</i>
<i>Master</i>	<i>Sciences and Industries of Polimers</i>	UPB.11.S.11.O.0107	<i>Process Optimization</i>	<i>Lecture</i>
	<i>Environmental Engineering</i>	UPB.11.S.11.O.1202	<i>Modeling of Transport, Transfer and Transformation of Pollutants</i>	<i>Lecture</i>
	<i>Consumer Protection and Quality Control of Products</i>	UPB.11.S.10.O.507	<i>Statistic and Probability of Quality Control</i>	<i>Lecture</i>

## Publication (selective):

### Books

- Woinaroschy A., M. Mihai, **R. Isopescu**, "Optimization in chemical engineering - examples and applications", Technical Printing House, Bucharest, 1990 (Romanian)
- M Mihai, I Pincovschi, "mecanique des Fluides Apliquee" "Ars Docenti, 2006.

### Articles

- Raluca Isopescu, Carmencita Mateescu, **Mihaela Mihai**, Gabriel Dabija, The effects of organic additives on induction time and characteristics of precipitated calcium carbonate, *Chem. Eng. Res. Des.*, **2010**, 88, 1450-1455
- Udrea, I., Capat, C., Oлару, E.A., **Isopescu, R.**, Mihai, M., Mateescu, C.D., Bradu, C., Vaterite synthesis via gas-liquid route under controlled pH conditions, *Ind. Eng. Chem. Res.* **2012**, 51, 8185-8193.
- C. Mateescu, **R. Isopescu**, **M. Mihai**, F. Branzoi, I Chilibon, Precipitation of super-fine carbonate by controlled double jet method: solid phase characterization and estimation of kinetic parameters, *J. Optoelectron. Adv. M.*, **2008**, 10, 2667-2674
- Constantin Bobirica, Liliana Bobirica, Gabriel Dabija, Mihaela Mihai, Physicochemical and rheological characterization of complex coagulants derived from weak and medium anionic polymers and medium cationic surfactant, *Environmental Engineering and Management Journal* January **2012**, Vol. 11, No. 1, 29 – 37
- I. Meghea, M. Mihai, E. Craciun, Statistical Control of Mercury in Surface Water of Bucharest, *Journal of Environmental Protection and Ecology* 13, No 3, 1242–1252, 2012.
- . Megheaa, M. Mihai, I. Lacatusu, I. Iosubc, Evaluation of Monitoring of Lead Emissions in Bucharest by Statistical Processing, *Journal of Environmental Protection and Ecology* 13, No 2, 746–755 2012

### Research projects

- Retea colaborativa pentru cercetarea efectelor poluantilor din mediu asupra sanatatii, in cadrul unor metasisteme complexe, REMEDIU, CEEX Nr. contract: 138/02.10.2006
- CO<sub>2</sub> sequestration by chemical bond in useful mineral compounds and reduce the greenhouse gases emission (SEQCARBMIN), Project nr. 22116 in the frame of National Program II (2008-2011)
- Synthesis of calcium carbonate with predefined properties in ultrasound field (SONOCARB), Research grant nr PC-D04-Pt04-504/2005 in the frame of CEEX Program (2005-2008)

### Other information

Member of the Chemical Society in Romania  
Member of the Chemical Engineering Society in Romania