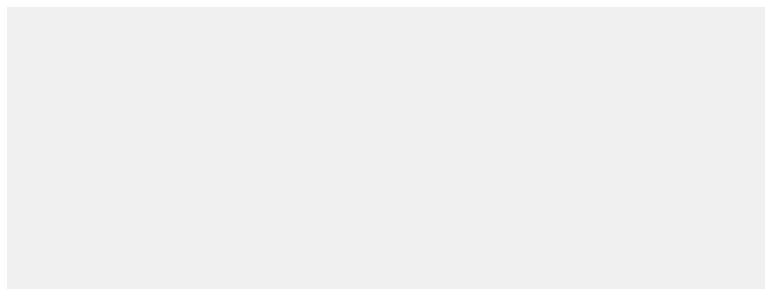


PERSONAL INFORMATION Monica Florescu



WORK EXPERIENCE

From-To

- *Didactical* activities in physics and biophysics,
- *Scientific research*

From-To

- *Didactical* activities with students,

EDUCATION AND TRAINING

From-To

1988 – 1993, *Bachelor/Master* in Physics, University of Bucharest, Romania.
“Study of transport processes through blood-brain barrier”

OTHER STUDIES

From-To

2001: International Summer School, “Cultural and organizational change in university teaching” Aug. 2001, Mangalia, Romania.

PERSONAL SKILLS

Mother tongue(s)	Romanian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C1
Portugues	B1	B1	B1	B1	A2
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 teamwork experience in educational and research projects both as coordinator and member,
- Ability to adapt to multicultural environments, gained through experience and research studies in abroad universities;

Organisational / managerial skills	<p><i>Leadership</i>: good experience in the <i>management of research projects</i> as director and as manager of the group of students in the educational process.</p> <ul style="list-style-type: none"> ▪ <i>Coordination of 7 research projects both as a director (5) and as a Transilvania University of Brasov responsible in complex projects and</i> ▪ <i>Management Committee Responsible for Romania to COST Action CA15126 (Between Atom and Cell: Integrating Molecular Biophysics Approaches for Biology and Healthcare (MOBIEU)).</i> <p><i>Participation in several national and international projects as member of the research teams.</i></p> <p><i>Main organiser of scientific events</i> (conferences, workshops, etc.)</p> <ul style="list-style-type: none"> ▫ International Conference on Analytical Methods and Nanoanalytical for Biomedical and Environmental Sciences "IC- ANMBES 2018", "IC- ANMBES 2016", "IC- ANMBES 2014", "IC- ANMBES 2012", "IC- ANMBES 2010", Co-President, Member of International Scientific Committee. ▫ Summer schools organization:
Scientific skills	<ul style="list-style-type: none"> ▪ <i>Scientific research in Physical and Analytical Chemical Science, Molecules of Life, Prevention, Diagnosis and Treatment of Human Diseases and Biotechnology</i>: <ul style="list-style-type: none"> ▫ tuning of solid surfaces/interfaces properties, ▫ study of biomolecular interactions for receptor-ligand binding detection and monitoring in real time, ▫ development of new composit nanomaterials for biosensing and drug delivery. ▫ development of label-free (nano)biosensors as reliable detection tool for new diagnostic and treatment methodologies based on nanomaterials and biomaterials, Important works have been done for portable detection of biologically active substances and inhibitors (heavy metal ions). ▫ biophysical characterization of biomaterials with applications for detection methods and implanted materials. ▪ <i>Methods mastered</i>: <ul style="list-style-type: none"> ▫ optical methods (Surface Plasmon Resonance – SPR, microscopy) ▫ bioelectrochemistry (voltammetry, amperometry, electrochemical impedance spectroscopy - EIS), ▫ UV-VIS Spectrophotometry, Fluorescence Quenching. ▫ Electrospinning.

Teaching skills

- *Teaching activity was materialized through the activity of*:
 - teaching/mentoring activity with medical and engineering students,
 - creation and maintenance of an e-learning platform for interactive communication with students and their and evaluation (<http://biofiz.unitbv.ro/moodle/>),
 - publication of university courses, books and chapters in books, according to the list of annexed publications,
 - development of new laboratory and teaching materials in the field of physics and biophysics, analytical biochemistry.

ADDITIONAL INFORMATION

- **Publications**
 - **72 articles:**
 - 37 articles and 7 abstracts published in highly rated peer-reviewed journals,
 - 1 paper published extenso in international ISI conferences proceedings,
 - 16 articles published in BDI-rated journals,
 - 11 articles in international conferences proceedings.
 - **30 books / chapters of books**
 - 10 as authors in international publishing houses and
 - 9 in national publishing houses, 11 as editor in national publishing houses),
- **Patent Applications**
 - M. Florescu, M. David, A. Serban, "Nanostructured electrochemical sensory platform, platform calibration method and method of use for portable, sensitive and selective detection of thyroxine content". A 00239/11.05.2021 (OSIM).
 - M. Florescu, M. David, A. Serban, "Process for electrochemical determination of the total antioxidant capacity of water-soluble vegetal extracts using a portable electrochemical platform with gold nanoparticles". A/00728/27.09.2018 (OSIM).
- **Member of editorial board of peer-reviewed journals**
 - Journal of Clinical Medicine
 - Analytical Letters
 - Medicines
- **Editing activity for peer-reviewed journals**
 - Bioelectrochemistry, Analytical Letters, Sensors, Biosensors, Chemosensors, Journal of Clinical Medicine, Medicines.
- **Peer-reviewer activity**
 - **Peer-reviewed journals:**
 - **National and international projects:**
 - PNIII-UEFISCDI, Romania,
 - M-ERA.NET, EU and Romania
 - FWO, Belgium
- **Honours and awards**
 - 2019: Biophysical Society Travel Award for 63rd Annual Meeting, March, 2019, Baltimore, USA.
 - 2015: Short-Term Scientific Mission, COST TD 1104 Action - EP4Bio2Med, Institute for Nanotechnology (MESA+), University of Twente, The Netherlands,
 - 2012: Research Internship: Nanoscale Integration Lab, University of Texas-Dallas, USA.
 - 2005-2006: PhD Research Internship at "University of Coimbra", Coimbra, Portugal,
 - 2002-2003: Erasmus PhD Scholarship at "University of Coimbra", Coimbra, Portugal.
 - 2002: PhD Short-term scholarship DAAD (German Academic Exchange Service) at "Institut für Chemo- und Biosensorik", Münster, German).
- **Conferences**
 - 93 participations in international and national conferences (79 at international conferences and 14 at national).
- **Memberships**
 - member of:
 - Biophysical Society,
 - European Biophysical Societies Association (EBSA),
 - International Union for Pure and Applied Biophysics (IUPAB),
 - Bioelectrochemical Society
 - Romanian Society of Pure and Applied Biophysics (Secretary General since 2019)
 - Romanian Society of Physics
- **Citations**
 - over 650 citations in peer-reviewed journals (without self citations),
 - Hindex WoS = 15, Hindex Scopus = 14, Hindex GoogleScholar = 17,
- **List of publications**
 - **Annex**

