

PERSONAL INFORMATION

Anca-Luiza Ionescu (born Alexe)



📍 University Politehnica of Bucharest, Faculty of Applied Sciences, Department of Physics
Splaiul Independentei 313, 060042-Bucharest, Romania

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WORK EXPERIENCE

From 09/2002-present
Position held/institution

Full professor
Faculty of Applied Sciences, Department of Physics, University Politehnica of Bucharest, Splaiul
Independentei 313, 060042-Bucharest, Romania

Main activities/responsibilities

Teaching and research
Lectures on General Physics and Physics of Materials
Head of research laboratory Physics of Materials

From 09/1999 to 09/2002
Position held/institution

Associated Professor
Faculty of Applied Sciences, Department of Physics, University Politehnica of Bucharest, Splaiul
Independentei 313, 060042-Bucharest, Romania

Main activities/responsibilities

Teaching and research
Lectures on General Physics and Quantum Mechanics
Head of research laboratory Physics of Materials

From 09/1995 to 09/1999
Position held/institution

Lecturer
Faculty of Electronics, Department of Physics, University Politehnica of Bucharest, Splaiul
Independentei 313, 060042-Bucharest, Romania

Main activities/responsibilities

Teaching and research
Lectures on General Physics
Head of research laboratory Liquid Crystals

From 09/1988 to 09/1995
Position held/institution

Professor's assistant
Faculty of Electronics, Department of Physics, Politehnical Institute of Bucharest (1988-1990),
University Politehnica of Bucharest (1990-1995), Splaiul Independentei 313, 060042-Bucharest,
Romania

Main activities/responsibilities

Teaching and research

From 09/1982 to 09/1988
Position held/institution

Professor of Physics
High School of Chemistry, Busteni, Romania

Main activities/responsibilities

Teaching

EDUCATION AND TRAINING

- 1995 **PhD in Physics**
University of Bucharest, Romania
Thesis: Surface properties of nematic liquid crystals
- 1982 **B.Sc. in Physics**
University of Bucharest, Faculty of Physics, Romania

PERSONAL SKILLS

Mother tongue(s) Romanian
Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2I	C1	C1	C1
Italian	C2	C2	C2	C2	C2

Communication skills Proficient communication skills in academic background, acquired during three decades of teaching and research activity. Good spoken production and interactions capabilities developed during participation at International meetings focused onto dissemination of scientific results.

Organisational / managerial skills Good managerial skills acquired due to the scientific coordination of high level research laboratory. Principal Investigator of National and International funded projects. Recognized organisational skills displayed during long lasting international collaborations with research European Universities and research Centres.

Job-related skills Main research interests include experimental investigations and modeling of interface properties of anisotropic liquids in contact with solid surfaces, elastic properties and advanced electro-optics of mesomorphic materials, adsorption phenomena and impedance spectroscopy in electrolytic and biologic liquids. Competences regarding several experimental techniques and theoretical models for the characterization of liquid crystals and of new synthesized polymeric materials with ionic conduction, studies of dielectric and viscous-elastic properties of hydrogels produced for biomedical applications, studies of structural properties of innovative methods for photoanodes for dye-sensitized solar and water splitting cells.

Digital skills Ability on using specific scientific software dedicated to data interpretation (Origin etc.) and mathematical data modelling (Mathematica). Proficient user of common Office applications and instrumental specific software (Autolab potentiostat, impedance spectrometer etc.).

Driving licence B

ADDITIONAL INFORMATION

- Publications** More than 100 scientific peer-reviewed scientific publications with over 1000 citations detailed list of publications is attached to this CV.
- Projects** Principal Investigator of two European and 8 National funded Research Projects
- Conferences** Participation to more than 20 International Conferences as an invited speaker
- Patents** Co-author of two international patents

ANNEXES List of publications