

PERSONAL INFORMATION

CĂTĂLIN NICOLAE MARIN


 West University of Timișoara, Faculty of Physics

 0040256592260  0040770755809

 catalin.marin@e-uvt.ro

<https://scholar.google.com/citations?user=HRVSsAIAAAAJ&hl=ro>

<https://physics.uvt.ro/conf-dr-marin-catalin/>

Gender Male | Date of birth 23/06/1968 | Nationality Romanian

WORK EXPERIENCE

From 2019 Professor

West University of Timișoara, Faculty of Physics,
Bd. V. Pârvan, no. 4, Timișoara, 300244, Romania -
<https://www.uvt.ro/ro/educatie/facultati/facultatea-de-fizica/>

- The main activities were related to teaching and research. I taught courses of Experimental physics, Relaxation processes in nanosystems and Colloids with biomedical applications.

From 2019 Member of the Senate of West University of Timisoara
From 2020 Chairman of the Commission for Doctoral and Postdoctoral Studies of the Senate of West University of Timisoara

2016-2017 Vice dean of the Faculty of Physics, West University of Timisoara

2013-2016 Chairman of the Commission of Institutional Strategy and Internal Management Control of the Senate of West University of Timisoara

2012 – 2016 Member of the Senate of West University of Timisoara

From 2009 to 2019 Associate professor

West University of Timișoara, Faculty of Physics,
Bd. V. Pârvan, no. 4, Timișoara, 300244, Romania -
<https://www.uvt.ro/ro/educatie/facultati/facultatea-de-fizica/>

- The main activities were related to teaching and research. I taught courses of Experimental physics, Relaxation processes in nanosystems and Colloids with biomedical applications. Apart of these, I had administrative duties as the scientific secretary of the department, member of the faculty board, member of the university senate, president of the .

2008 – 2016 and 2019 to present Member of the Faculty Council of the Faculty of Physics at West University of Timisoara

2004 -2011 Secretary of the local branch in Timisoara of "Romanian Society of Physics"

From 2003 to 2009 Lecturer

West University of Timișoara, Faculty of Physics,
Bd. V. Pârvan, no. 4, Timișoara, 300244, Romania -
<https://www.uvt.ro/ro/educatie/facultati/facultatea-de-fizica/>

- The main activities were related to teaching and research. I taught courses of Physics and technology of dielectric materials, Smart materials, Technologies and devices with smart fluids, Nano-magneto-dielectrics in electromagnetic fields.

From 1994 to 2003

Teaching Assistant

West University of Timișoara, Faculty of Physics,
Bd. V. Pârvan, no. 4, Timișoara, 300244, Romania -
<https://www.uvt.ro/ro/educatie/facultati/facultatea-de-fizica/>

- The main activities were related to teaching and research. I led laboratory and seminar classes of Microwaves and applications, Basis of computer science, and Dielectrics and applications.

From 1992 to 1994

Junior Teaching Assistant

West University of Timișoara, Faculty of Physics,
Bd. V. Pârvan, no. 4, Timișoara, 300244, Romania -
<https://www.uvt.ro/ro/educatie/facultati/facultatea-de-fizica/>

- The main activities were related to teaching and research. I led laboratory and seminar classes of Electronics and Solid state physics.

EDUCATION AND TRAINING

1987 - 1992

BA in Physics

West University of Timișoara, Faculty of Physics

- Education and research skills

Order of the Ministry of Education and Research
no. 3876/19.05.2004

PhD - Physics

West University of Timișoara, Faculty of Physics

- Research skills on:
 - Electromagnetic properties of ferrofluids;
 - Materials and electronic devices in electromagnetic field;
 - Magnetic and dielectric relaxation processes in nano-microstructured systems;
 - Ferromagnetic resonance in nano-microstructured systems; Propagation of the radiofrequency and microwave electromagnetic field in different systems (with applications as electromagnetic absorbers and electromagnetic shielding).

Order of the Ministry of National Education and Scientific Research
no. 5966/08.12.2016

Dr. Habil. – granting the right to coordinate PhD students in Physics

West University of Timișoara, Faculty of Physics

- Research skills on:
 - Electromagnetic properties of materials for technical and biomedical applications;

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1/B2	B1/B2	B1/B2	B1/B2	B1/B2

French	B1/B2	B1/B2	B1/B2	B1/B2	A1/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 teaching experience of 28 years.

Organisational / managerial skills Based on my professional experience, I gained good organisational and management skills such as:

- creating and keeping deadlines
- decision making
- team management
- team leadership
- teamwork
- coordinating events
- strategic thinking
- implementing strategy
- multitasking
- delegation
- project management
- making schedules

Job-related skills Teaching and research experience of 28 years allowed me to tackle a range of complex didactical and scientific problems related to the general physics and especially on the nanoparticle systems.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- good command of MathCad
- good command of Origin
- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software gained as an amateur photographer

Other skills

- Excellent problem-solving skills with attention to bottom-line.
- Ability to conceptualize and generate new ideas, analyze problems and develop effective solutions.
- Strong project management skills and the ability to gain cooperation between groups and individuals.
- Able to perform well in emergency situations and under tight deadlines.

Driving licence Driving licence category B

ADDITIONAL
INFORMATION

- 73 articles published in scientific journals, indexed in Web of Science and Scopus databases;
- 22 articles published in other journals than those indexed in Web of Science or Scopus databases;
- 100 scientific communications in conferences;
- 9 scientific and didactic books;
- 1 volume as Editor at American Institute of Physics;
- 6 research contracts as director / manager.

 Other activities in
the benefit of the
academic and
scientific community

2020-2021	Evaluating expert for the Ministry of Education and Research in the evaluation and accreditation process of the National Research and Development Institutes
2020	Responsible for the West University of Timisoara for scientific cooperation with the Joint Institute for Nuclear Research Dubna - Russia
2020	Expert for defining national areas of intelligent specialization. within the SIPOCA 592 project, coordinated by the Ministry of Education and Research (MEC), in partnership with UEFISCDI, in the context of the elaboration of the National Strategy for Intelligent Research, Innovation and Specialization 2021-2027.
From 2015	Director of the undergraduate program "Medical Physics" at the Faculty of Physics of the West University of Timisoara
2001-2019	Member of the organizing committee of the Physics Conference with international participation TIM-01, ..., TIM-19 (19 editions)
2018	Chairman of the TIM 18-Physics Conference (2018)
2007-2008	Referent C.N.M.P. (National Center for Program Management) within the A.N.C.S. (National Authority for Scientific Research)
From 2000	Reviewer for various international journals such as: Langmuir (ACS Publications), Materials Characterization (Elsevier), Journal of Molecular Liquids (Elsevier), European Physical Journal E (Springer), Journal of Magnetism and Magnetic Materials (Elsevier), Biomedical Engineering - Applications, Basis and Communications (World Scientific Publishing), Materials Research Bulletin (Elsevier), Materials (MDPI), Journal of Applied Physics (American Institute of Physics) and others.
From 2012	Editorial Advisory Board Member - The Annals of the West University of Timisoara, Physics Series – Sciendo - De Gruyter https://content.sciendo.com/configurable/contentpage/journals\$002fawutp\$002fawutp-overview.xml?tab_body=editorialContent-79174