



Curriculum vitae Europass



Personal Informations

First Name / Surname **NICOLOV , MIRELA FLORENTINA**
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E-mail **nicolovmirela@gmail.com , mirelanicolov@umft.ro ,**
Nationality **Romanian**
Date of birth **07.05.1967**
Family **Married, 1 child .**

Occupational field **Associate Professor – Pharmaceutical Physics Department**

Victor Babes University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Pharmaceutical Physics Department , Eftimie Murgu Sq., nr.2, Timisoara, 300041

Work experience

- 2018- present Associate Professor**
Pharmaceutical Physics - Course, laboratory, Pharmacy groups in French and romanian
University of Medicine and Pharmacy Victor Babes Timiosara, Faculty of Pharmacy, Pharmaceutical Physics Department , Eftimie Murgu Sq., nr.2, Timisoara, 300041.
Teaching and scientific research activity
- 2014-2018 Lecturer**
Pharmaceutical Physics - Course, laboratory, Pharmacy groups in French and romanian
University of Medicine and Pharmacy Victor Babes Timiosara, Faculty of Pharmacy, Pharmaceutical Physics , Eftimie Murgu Sq., nr.2, Timisoara, 300041.
Teaching and scientific research activity

- 2013-2014** Biophysics-laboratory-groups, General medicine in English
University of Medicine and Pharmacy Victor Babes Timiosara, Faculty of Pharmacy, Pharmaceutical Physics , Eftimie Murgu Sq., nr.2, Timisoara, 300041.
Teaching activity
- 2000** Postdoctoral fellowship, Utrecht University - Netherlands, Faculty of Petrology, crystallography laboratory- GASTDOCENT
- 2007** Postdoctoral fellowship, IKZ, Berlin, Germany
- 2008** „Maître de conference”,
Henri Poincare University Nancy, France
- 2003-2013** **Associate Professor cf.OM 4084 / 04.06.2003** (confirmation for physics and biophysics received from the CNCS Physics Commission)
- Physics - Course, Seminar, laboratory at environmental protection, mechanical engineering, automation,
- Physics and Biophysics - Course, Seminar, Laboratory - at Food Engineering Departments,
- Electromagnetism - courses and seminars at the automated section
- Databases courses - Course, seminar, laboratories at the economic engineering departments,
- Fluid Mechanics - Course at the Environmental Protection Departments
- Total Quality Management - Course, Seminar, Laboratory - at Economic Engineering Departments
- Logistics - Course, Seminar, laboratory - at the economic engineering departments
- Strategic Management - Course, Seminar, Laboratory - at Economic Engineering Departments
- guiding the license works at the engineering departments
Aurel Vlaicu University of Arad, B- dul Revolutiei nr.77, Arad, 310130.
Teaching and scientific research activity
- 1997-2003** **Lecturer**
- Physics - Course, Seminar, laboratory
- Physics and Biophysics - Course, Seminar, Laboratory
Aurel Vlaicu University of Arad, B- dul Revolutiei nr.77, Arad, 310130.
Teaching and scientific research activity
- 1990-1997** **preparatory, Assistant Professor**
- Physics - Seminar, laboratory
- Physics and Biophysics - Seminar, laboratory
Aurel Vlaicu University of Arad, B- dul Revolutiei nr.77, Arad, 310130.
Teaching and scientific research activity
- 1989-1990** **professor of physics - Sebis school - Arad district (governmental repartition)**
Physics lessons in general and high school
Sebis School - Arad County
Teaching activity

- Courses, laboratories, seminars
On paper, electronic, in presentation (* .ppt)
- Pharmaceutical physics - course, laboratory - French and Romanian
 - Physical-chemical phenomena at interfaces - course,
 - Physics - Course, Seminar, laboratory.
 - Physics and Biophysics - Course, Seminar, Laboratory.
 - Electromagnetism - Course, Seminar, Laboratory (New Course introduced)
 - Databases (Database Management Systems) - Course, Seminar, Laboratory. (New Course introduced)
 - Fluid Mechanics, Hydraulics and Hydrology - Course, Seminar, Laboratory.
 - Total Quality Management - Course, Seminar, Laboratory.
 - Logistics - Course, Seminar, laboratory. (New Course introduced)
 - Strategic Management - Course, Seminar, Laboratory.
 - Simulation and enterprise games - laboratories with applications in statistics, applications made in E-View 4.0. (New introduced)
 - Physics for physical education teachers - Course, Seminar, laboratory.
 - Didactics of Physics for Physics Teacher Training- Course, Seminar, Laboratory.
 - Composite Materials - Course, Seminar, Laboratory.

Results of didactic and research activity

- **17 books +2 chapter published in the book (international)**
- **91 works out of which ISI and ISI Proceeding papers**
- **70 Present at national and international conferences:**
- **196 citations cf. Web of Science Core Collection**
- **Hirsch index : h =8 cf. Web of Science Core Collection**
- **12 participations in national and international programs and projects**

Education

- 1981-1985** Industrial High School no.12 (former Miron Constantinescu High School), Arad, Mathematics - Physics Section, diploma: series A no.12646 / June 1985
- 1985- 1989** Faculty of Natural Sciences, Physics Department, University of Timisoara, Romania. Bachelor's degree in physics, physical specialization, diploma series G no. 2724 / July 1989.
- 25 februarie 1999** Institute for Atomic Physics , Bucharest, Romania
PhD in Phsics, Doctor in Physics, specializing in solid state physics, a PhD R series nr.0005579 / 1999
- 2003-2005** Postgraduate course in "Technical Informatics" - Aurel Vlaicu University of Arad / specialist in technical informatics
- 2004-2006** "Management in Informatics" Master - Aurel Vlaicu University of Arad
- 2008-2010** Master "FINANCING AND MANAGEMENT IN PUBLIC ADMINISTRATION"
Aurel Vlaicu University of Arad, Romania
- 2010-2013** PhD student in Economics
University of Oradea
- 2016-2018** Master: OTC's, FOOD SUPPLEMENTS, COSMETICS
Victor Babes University of Medicine and Pharmacy Timisoara

Personal skills and competences

NATIVE LANGUAGE	ROMANIAN					
FOREIGN LANGUAGES	ENGLISH – C1, FRENCH – C1					
	UNDERSTANDING		SPEAKING		WRITING	
ENGLISH	C1	PROFICIENT USER	C1	PROFICIENT USER	C1	PROFICIENT USER
FRENCH	C1	PROFICIENT USER	C1	PROFICIENT USER	C1	PROFICIENT USER

List of most important national and international projects:

1. Contract 791 / 30.06.2014: CAPACITIES, Module III - bilateral cooperation: Integrated Actions Program, Brancusi, Romania - France: Obtaining microcrystals of pentacyclic triterpenes and study of their pharmacotoxicological changes on experimental models, (Bilateral Grant Ro-Fr , 2015-2016). Financing: 31,500 lei.
2. Intas 99-00247- Poly mineral and mixed crystal formation: and experimental and theoretical study of the origin of natural and synthetic crystals: member of the team of the University of Utrecht-Netherlands, 2000- mobility project. Financing: \$ 6,000 / ECU 120,000

AWARDS:

1. PN-III-P1-1.1-PRECISI-2020-51072, Morphology of GdVO₄ crystal: first principle studies
2. PN-III-P1-1.1-PRECISI- 2019- 35343, Cocystal Formation of Betulinic Acid and Ascorbic Acid: Synthesis, Physico-Chemical Assessment, Antioxidant, and Antiproliferative Activity
3. DIPLOMA OF EXCELLENCE for scientific and technological research activity carried out within the bilateral cooperation Romania France "Brancusi - Hubert Curien" Program granted by the National Authority for Scientific Research and Innovation (ANCSI) and the French Embassy in Bucharest, Bucharest, November 21, 2016

PAPERS – selectios 1995-2021 (maximum 10 papers)

1. **Nicolov, M.**, Cocora, M., Buda, V.; Danciu, C.; Duse, A.O.; Watz, C.; Borcan, F. Hydrosoluble and Liposoluble Vitamins: New Perspectives through ADMET Analysis. *Medicina* **2021**, 57, 1204. <https://doi.org/10.3390/medicina57111204> . IF: 2.43.
2. Emiliana-Laura Andreici Eftimie, Nicolae Avram, Christian Jelsch, **Mirela Nicolov**, Morphology of the GdVO₄ crystal: first-principles studies, *Acta Crystallographica Section B, Structural Science, Crystal Engineering and Materials, International Union of Crystallography*, **2020**, 76 (5), 749-756 , doi.org/10.1107/S2052520620009002, IF:2.048
3. **Mirela Nicolov**, Roxana M. Ghiulai, Mirela Voicu, Marius Mioc, Adina Octavia Duse, Roxana Roman, Rita Ambrus, Istvan Zupko, Elena Alina Moaca, Dorina E. Coricovac, Claudia Farcas¹, Roxana Marcela Racoviceanu, Corina Danciu, Cristina-Adriana Dehelean And Codruta Soica, Cocystal Formation Of Betulinic Acid And Ascorbic Acid: Synthesis, Physico-Chemical Assessment, Antioxidant, And Antiproliferative Activity, *Frontiers In Chemistry, Medicinal And Pharmaceutical Chemistry*, 7:92. **2019**, Doi: 10.3389/fchem.2019.00092 , IF:4.115.
4. **Mirela Nicolov**, Doina Georgescu, Emiliana Laura Andreici Eftimie, Simona Cinta Pinzaru , Roxana Roman , Ionut Ledeti , Rita Ambrus , Adelina Cheveresan, Nicolae M. Avram, DFT Study of Structure, IR and RAMAN Spectra for Betulinic Acid Solvatomorphs, *REV.CHIM.(Bucharest)*, 70, No. 1, **2019**, p.107-111., IF:1.755.
5. **Mirela Nicolov**, Alina Heghes, Izabella Petre, Ovidiu Alexandru Mederle, Theoretical and Experimental Analysis of SiO₂ - a Proof of Hartman Perdok Method , *REV.CHIM.(Bucharest)*, 69, No. 5 , **2018**, P. 948-951, IF:1.605.

6. Alina Heghes, **Mirela Nicolov**, Adina Octavia Duse, Dan Dragos, Zoltan Szabadai, Sorin Bolintineanu, Daniela Marti, Hartman Perdok Method Applied to $A_2BSi_2O_7$ and AB_2O_6 Types of Microcrystals and the Concept of Fractional Charges, *REV.CHIM.(Bucharest)*,68,No. 4 ,**2017**, P. 742-744.IF:1.412
7. **M Nicolov**, AD Badulescu, Different types of innovations modeling, Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium, **2012**/10/24, vol.23, nr.1, p.1071-1074
8. **Mirela F.Nicolov**, Calculated Growth Form of Melilites, *Zeitschrift fur Kristallographie*, vol. 219(10) , pag.630-636. , **2004**.(IF:1.472)
9. **Mirela.F.Nicolov**,C.F.Woensdregt, Growth form of TiO_2 , *Crystal Research and Technology*, vol. 38(2) , pag. 133-142 , **2003** (IF:0.883)
10. **Mirela F.Nicolov**,C.F.Woensdregt , Modeling growth and equilibrium form of $\alpha - SiO_2$, Journal of Applied Crystallography, vol.35(4) , pag. 491-496. **2002** (IF: 5.248)

Timisoara, 19.01.2022

Conf.Dr. MIRELA FLORENTINA NICOLOV