

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
- 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 +1 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**
- **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 micracrystals 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
3. TWIN FREQUENCY PREDICTION BY USING CRYSTAL GROWTH - International project - UHP Nancy - 2008- mobility project. Project manager. Financing 3700 Euro
4. SIMULATIONS OF GADOLINIUM VANADIUM OXIDES -International project: IKZ BERLIN- 2007- mobility project. Project manager, Financing: 2825 Euro
5. The influence of the external conditions on the structural perfection of the Crystals phase I - Realization of the furnace for heat treatment. Research contract 3034 - 3C / 1994, concluded with the Ministry of Education 1994-1995- project director. financing: 1,100,000 lei
6. Study of the influence of external fields on heat and substance transfer processes in crystals with applications in crystal growth, West University of Timisoara, Faculty of Physics, research contract concluded with the Ministry of Education, 1997- phase II, 1997-1998 , team member, financing: 36,000,000 lei
7. Analysis and synthesis of polygonal and galvanometric scanning systems, one and two-dimensional (CNCSIS IDEI 1896) - team member-2008-2010, Financing: 919000 RON,
8. Implications for innovation, research and development role in the development of Romania's economic competitiveness, Oradea University, Faculty of Economic Sciences.- member in project, 2010 - 2013 Financing: 9000 RON

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
4. ANCS Award 1391/2010, Neutral density filters with Risley prisms: analysis and design.

PAPERS

2020

1. 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
2. Camelia A Szuhaneck, Claudia G Watz, Ștefana Avram, Elena-Alina Moacă, Ciprian V Mihali, Adelina Popa, Andrada A Campan, **Mirela Nicolov**, Cristina A Dehelean, Comparative Toxicological In Vitro and In Ovo Screening of Different Orthodontic Implants Currently Used in Dentistry, Materials 2020, 13, 5690; doi:10.3390/ma13245690, IF:3.057.
3. Alin Faur, Claudia Watz, Elena-Alina Moacă, Ștefana Avram, Florin Borcan, Iulia Pinzaru, Andrada Iftode, **Mirela Nicolov**, Ramona Amina Popovici, Marius Raica, Camelia A Szuhaneck, Cristina Dehelean, Correlations on Phenolic Screening Related to In Vitro and In Ovo Assessment of Ocimum basilicum L. Hydro-Alcoholic Extracts Used as Skin Active Ingredient, Molecules 2020, 25, 5442; doi:10.3390/molecules25225442, IF:3.267
4. Adelina Popa, Cristina Dehelean, Horia Calniceanu, Claudia Watz, Silviu Brad, Cosmin Sinescu, Olivia A Marcu, Casiana Simina Popa, Ștefana Avram, **Mirela Nicolov**, Camelia A Szuhaneck, A Custom-Made Orthodontic Mini-Implant—Effect of Insertion Angle and Cortical Bone Thickness on Stress Distribution with a Complex In Vitro and In Vivo Biosafety Profile, Materials 2020, 13, 4789; doi:10.3390/ma13214789, IF: 3.057

2019

5. **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.
6. **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

2018

7. **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

2017

8. Alina Heghes, **Mirela Nicolov**, Adina Octavia Duse, Dan Dragos, Zoltan Szabadai, Sorin Bolintineanu, Daniela Marti, Hartman Perdok Method Applied to A₂BSi₂O₇ and AB₂O₆ Types of Microcrystals and the Concept of Fractional Charges, REV.CHIM.(Bucharest)♦68♦No. 4 ♦2017, P. 742-744. IF:1.412
9. Emilian-Laura Andreici Eftimie, Roxana Roman, **Mirela Nicolov**, Ionut Ledeti, Zoltan Szabadai, and Nicolae M. Avram, DFT calculation of vibrational frequencies for betulinic acid methanol monosolvate *TIM15-16 Physics Conference*, AIP Conf. Proc. 1796, 030012-1–030012-5; doi: 10.1063/1.4972377 Published by AIP Publishing. 978-0-7354-1462-4/\$30.00, 030012-1-5, Citation: **1796**, 030012 (2017); **doi: 10.1063/1.4972377**
View online: <http://dx.doi.org/10.1063/1.4972377>.
10. Lavinia Moleriu, Adina Octavia Duse, Florin Borcan, Codruta Soica, Ludovic Kurunczi, **Mirela Nicolov**, Marius Mioc, Formulation and Characterization of Antibacterial Hydrogels Based on Polyurethane Microstructures and 1, 2, 4-Triazole Derivatives, MATERIALE PLASTICE ♦54♦No.2 ♦2017, P.348-352. IF: 1.248
11. Adina Octavia Duse, Delia Berceanu Vaduva, **Mirela Nicolov**, Cristina Trandafirescu, Marcel Berceanu Vaduva, Mariana Cevei, Alina Heghes, Biostatistical Analysis and Possible Forecasting of Relationship Between Uric Acid and Specific Laboratory Tests in Cases of Gouty Arthritis, REV.CHIM.(Bucharest)♦68♦No. 6 ♦2017, 1234- 1241., IF:1.412
12. Dan Navolan, **Mirela Nicolov**, Simona Vladareanu, Ioana Ciohat, Marius Craina, Miroslav Tomovic, Dragos Nemescu, Alina Onofriescu, Mihaela Craciunescu, Florin Birsasteanu, Is there a need for own median calculation in the second trimester biochemical markers screening, REV.CHIM.(Bucharest)♦68♦No. 5 ♦2017, P.1070-1072., IF:1.412

2016

13. **Mirela Nicolov**, Marius Mioc, Dan Dragos, Hartman Perdok Method for Analysis of Growth form of Crystals, REV.CHIM.(Bucharest)♦67♦No. 5 ♦2016, P.1014-1018, IF:1.232
14. **Mirela Nicolov**, Adina Octavia Duse, Doina Georgescu, Florin Borcan, Puiu Velea, Preliminary Studies on Betulinic Acid Crystals with Organic Solvents, REV.CHIM.(Bucharest)♦67♦No.7♦2016, P. 1411-1414, IF: 1.232
15. Cristina Trandafirescu, Florin Borcan, Cristina Dehelean, Zoltan Szabadai, **Mirela Nicolov**, Codruta Soica, Study of the Interaction of Albendazole with Benzoic Acid. I, REV.CHIM.(Bucharest)♦67♦No. 11 ♦2016, P.2370-2374., IF:1.232
16. VF Duma, **MF Nicolov**, C Mnerie, L Szantho, Optical modulator with rotation movement, Romanian Patent RO, 126505/2016.

2015

17. Mihaela Corlade-Andrei, Carmen Diana Cimpoesu, Dan Dragos, **Mirela Nicolov**, Elena Butnaru, Analysis Using Gas Chromatography - Mass Spectrometry (GC-MS) of Some Ethnobotanical Products, REV. CHIM. (Bucharest) ♦ 66 ♦ No. 4 ♦ 2015, P.457-459, IF:0.956
18. **Mirela Nicolov**, Zoltan Szabadai, Cristina Trandafirescu, Dan Dragos, Urea Simulation as a Biofunctional Material, REV. CHIM. (Bucharest) ♦ 66 ♦ No. 5 ♦ 2015, P. 681-684, IF:0.956.

2014

19. **M Nicolov**, M Cevei, Urea and Related Values of Analysis and its Applications in Gouty Arthropathy, OSTEOPOROSIS INTERNATIONAL, 2014/4/1, VOL.25, S407-S407, SPRINGEN LONDON LTD, IF:

1995-2013

(selections from Google Scholar)

1. **Nicolov F Mirela**, Simulations of some nanomaterials having magnetic properties in the paramagnetic region, METAMATERIALS, , vol.8771, p. 877115, **2013/5/6** (**ISI Proceedings**)
2. Ioan Dolca, **Mirela Nicolov**, Analysis of Relationship between Net Wage and Consumer Price Index, Procedia Economics and Finance 6 (**2013**) 738 – 747, doi: 10.1016/S2212-5671(13)00197-4 (**ISI Proceedings**)
3. **Mirela Nicolov**, Modelling European Public Finance and Support for RDI Sector , Procedia Economics and Finance 6 (**2013**) 754 – 759, doi: 10.1016/S2212-5671(13)00199-8 (**ISI Proceedings**)
4. **Nicolov Mirela**, Analysis of the Intellectual Development and Evolution of Research Systems in European Research Area in the Last Decade, Annals of Faculty of Economics, **2013/12/1**, VOL.1, ISSUE 2, P. 219-228.(**B+**)
5. **Mirela F. Nicolov**, A New Econophysics Model to Study Human Resources in European Union, Journal of Econophysics & New Economy, **2013/1/1**, p.67- 76. .(**B+**)
6. **Nicolov F.Mirela**, Approach of RDI System in European Union in the Last Decade, The Annals of the University Of Oradea **2013**, P.499-508. .(**B+**)
7. **Mirela Nicolov**, A Regional Study of Financial Resources Involved in RDI Sector in Romania in the Last Decade, Annals of the University of Oradea, Economic Science Series . **2012**, Vol. 21 Issue 2, p244-249. .(**B+**)
8. **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 (**ISI Proceedings**)
9. **M Nicolov**, I Dolca, Open Innovation in Practice-Case of Romania, Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium, **2012/10/24**, vol.23, nr.1, p. 1055-1058 (**ISI Proceedings**)
10. **Mirela Nicolov**, Alina Badulescu, Regional Analysis of HR Involved in RDI Sector in Romania in the Last Decade, Revista Economica, Suplement nr.5/**2012**, p.554-563.(**B+**)
11. Ioan Dolca, **Mirela Nicolov**, The Phenomenon Of Increasing Value Of Stock Capital On Romanian Market, Revista Economica,Suplement nr.5/**2012**, p.66-74.(**B+**)
12. **Nicolov Mirela**, Regional Analysis of Financial Resources Involved in Research Development and Innovation (RDI) Sector In Romania in the Last Decade" Study Done on Macroregions , Annals of Faculty of Economics , 2012, 1 (2), 250-255 .(**B+**)
13. **M NICOLOV**, S Rusu , Studies of innovations in west region of Romania., Agricultural Management/Lucrari Stiintifice Seria I, Management Agricol , **2012**, 14 (1), p. 275-282. .(**B+**)
14. **M NICOLOV**, S Rusu, Innovation, a process of change and development., Agricultural Management/Lucrari Stiintifice Seria I, Management Agricol **2012**, 14 (1), p. 289-292 .(**B+**)
15. **Nicolov Mirela**, Rusu Sergiu , Innovations In Smes In The Service Sector In Romania Between 2000 And 2008 And Entrepreneurship As Application With Some Outputs , Annals of the „Constantin Brâncuși” University of Târgu Jiu, Economy Series, Issue 2/**2012** , environment 10, 11, p.190-196, (**B+**)
16. **Nicolov Mirela**, Rusu Sergiu, Innovations In Smes In The Service Sector In Romania Between 2000 And 2008 And Entrepreneurship As Application With Some Outputs, Annals of the „Constantin Brâncuși” University of Târgu Jiu, Economy Series, Issue 2/**2012** , environment 10, 11, p.190-196.(**B+**)
17. **Nicolov Mirela**, Rusu Sergiu, Innovations In Sme’s In Industry In Romania Between 2000-2008 By Using The Share Of Turnover Of Innovative Product Business, Annals-Economy Series **2012**, vol.1, p.99-108 (**B+**).
18. VF Duma, **MF Nicolov**, M Kiss, T Ilca, C Mnerie, D Demian, L Szantho, Choppers: Optomechatronic Devices for the Controlled Modulation of Light, Mechanisms, Transmissions and Applications, **2012**, p.125-132 (**Proceedings ISI**)
19. **Nicolov Mirela**, An overview of Human Resources in Science and technology (HRST) from Research Development and Innovation (RDI) sector during 1993-2009 in Romania, EUROPEAN INTEGRATION–NEW CHALLENGES,2011, p. 788-795.

20. VF Duma, **MF Nicolov**, M Kiss, T Ilca, D Demian, L Szantho, Modeling of modulation functions of different configurations of optical chopper wheels, Proceedings Volume 8083, Modeling Aspects in Optical Metrology III; 80830I (2011) <https://doi.org/10.1117/12.889509> ,
21. Duma V.F., Podoleanu A.G., **Nicolov M.** (2010) Modeling a Galvoscaner with an Optimized Scanning Function. In: Visa I. (eds) SYROM 2009. Springer, Dordrecht. https://doi.org/10.1007/978-90-481-3522-6_45
22. VF Duma, **MF Nicolov**, M Kiss. Optical choppers: modulators and attenuators, ROMOPTO 2009: Ninth Conference on Optics: Micro-to Nanophotonics II 7469, 74690V, Proceedings Volume 7469, ROMOPTO 2009: Ninth Conference on Optics: Micro- to Nanophotonics II; 74690V (2010) <https://doi.org/10.1117/12.859044>
23. VF Duma, **M Nicolov**, L Szantho, C Mnerie, O Falcan, Contribution to the Development of Optical Scanners with Rotating or Oscillating Elements., Annals of DAAAM & Proceedings . Jan **2009**, p397-398. (**Proceedings ISI**).
24. VF Duma, **M Nicolov**, Neutral density filters with Risley prisms: analysis and design, Applied optics 48 (14), 2678-2685, IF: 1.41 , <http://www.opticsinfobase.org/ao/abstract.cfm?URI=ao-48-14-2678>; ISSN 0003-6935 (print), ISSN 1539-4522 (online); (**IF 1.41**)
25. VF Duma, **M Nicolov**, Numerical and experimental study of the characteristic functions of polygon scanners, Modeling Aspects in Optical Metrology II 7390, 739015, **2009**, Proceedings Volume 7390, Modeling Aspects in Optical Metrology II; 739015 (2009) <https://doi.org/10.1117/12.827443> (**Proceedings ISI**).
26. **Mirela F.Nicolov**, B.I.Pancan, *Obtaining and analyzing Na-Al silicates*, Rev.Chim.Bucharest, vol.56(10), pag.995-998, **2005 (IF:0.599)**
27. **Mirela F.Nicolov**, *Calcul, ated Growth Form of Melilites*, ,Zeitschrift fur Kristallographie, vol. 219(10) , pag.630-636. , **2004.(IF:1.472)**
28. Bujor I Pancan, **Mirela F Nicolov**, Analysis of Substrates Obtained in Electro Crystallization Processes Using Potentials and Germ Formation Work, Romanian Reports in Physics, Volume 56, Number I, p. 101-106, **2004 (IF:0.5)**
29. **Mirela.F.Nicolov**,C.F.Woensdregt, *AFM reveals steps in Mn-Al silicates crystals obtained from melt*,Crystal Research and Technology, vol. 38(2) , pag. 150-152, **2003 (IF:0.883)**
30. **Mirela.F.Nicolov**,C.F.Woensdregt, *Growth form of TiO₂*, Crystal Research and Technology, vol. 38(2) , pag. 133-142 , **2003 (IF:0.883)**
31. **Mirela F.Nicolov**,C.F.Woensdregt , *Modeling growth and equilibrium form of α - SiO₂*,Journal of Applied Crystallography, vol.35(4) , pag. 491-496. **2002 (IF: 5.248)**
32. **Mirela Nicolov**, *Defect structure in CaF₂ crystals*, Journal of Optoelectronics and Advanced Materials, vol.4(1) pag.155-158, **2002 (IF:0.446)**
33. **Mirela F.Nicolov** , Cornelis F. Woensdregt, *Structure of α -SiO₂ (Quartz) in compared study*, Romanian Reports in Physics, Vol. 53(3-8), pag 215-224, **2001 (IF:0.5)**
34. **Mirela F. Nicolov** , Cornelis F. Woensdregt, *Growth form of α -SiO₂ (Quartz)*,Romanian Reports in Physics , Vol. 53(3-8), pag 225-237,**2001. (IF:0.5)**
35. **Mirela Nicolov**, *Shaped CaF₂ crystals*,Journal of Crystal Growth, vol 218(1), pag.62-66, **2000 (IF:1.681)**
36. Irina.Nicoara, **Mirela Nicolov**, Artur Pusztai, Daniel Vizman, *On the solidification particularities of the opaque and Semi - Transparent Crystals obtained by Bridgman Method* , Crystal Research and Technology, 33(2) pag.207 – 218 , **1998 (IF:0.883)**
37. 3. **Mirela Nicolov**, Irina.Nicoara , *Stresses in Fluoride*, Bulletins for Applied & Computing Mathematics, Budapesta, BAM-1546/**1998-LXXXVI-A**, pag.337-346, **1998.**
38. 4. **Mirela Nicolov** , Irina.Nicoara , *On the solidification Process in E.F.G. Method*,Bulletins for Applied & Computing Mathematics, Budapesta , BAM-1545/(LXXXVI-A) , pag. 327-336. **1998.**
39. Irina Nicoara, **Mirela Nicolov** , Daniel Vizman, *On the Crystallisation of Semi-Transparent Materials*,Analele Universitatii din Bucuresti , vol.4, pag. 55-58, **1998**
40. **Mirela Nicolov**, *Radiation Heat Transfer in a Plane- Parallel Surroundings*, Romanian Reports in Physics , vol.50(10), pag.781-788, **1998 (IF:0.5)**

41. Irina.Nicoara, Artur.Pusztai, **Mirela Nicolov**, *On the Shape of Semi - Transparent Crystals Obtained by Bridgman Method*, Crystal Research and Technology , vol.32(3) pag.413 –422 , **1997(IF:0.883)**
42. **Mirela Nicolov**, Irina Nicoară, Dumitru Nicoară, *A New Type of Heater for Thermal Treatments in Vacuum of Single Crystals*, Analele Universitatii din Timisoara , seria Fizica,vol. XXXII pag. 57-61 , **1995.**
43. **Mirela Nicolov**, Irina Nicoară, *Stress Analysis of Fluoride Single Crystals*, Analele Universitatii din Timisoara , seria Fizica,vol. XXXII pag. 62-70 , **1995.**

Timisoara, 27.01.2021

Conf.Dr. MIRELA FLORENTINA NICOLOV

