

Curriculum vitae Europass


Nume / Prenume	NICOLOV , MIRELA FLORENTINA
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E-mail	<u>nicolovmirela@gmail.com</u> , <u>mirelanicolov@umft.ro</u> ,
Nationalitate	Romana
Data nasterii	07.05.1967
Stare civila	Casatorita , 1 copil
Loc de munca	Conferentiar universitar – Fizica Farmaceutica si Biofizica <i>Universitatea de Medicina si Farmacie Victor Babes –Timisoara, Facultatea de Farmacie , Departamentul I, Disciplina de Fizica Farmaceutica, P-ta E.Murgu, nr.2, Timisoara, 300041.</i>
Educație și formare	INFORMAȚII DESPRE STUDIILE EFECTUATE SI DIPLOMELE OBȚINUTE
1981-1985	Liceul Industrial nr.12 (fost Liceul Miron Constantinescu) ,Arad, Sectia matematica – fizica , diploma: seria A nr.12646/iunie 1985.
1985- 1989	Facultatea de Științele Naturii, sectia Fizica, Universitatea Timisoara, Romania Diploma de licenta in profilul fizica, specializarea fizica , nota 10(zece) la examenul de diploma, diploma seria G nr.2724/iulie 1989.
25 februarie 1999	Doctor in Fizica , specializarea Fizica Starii condensate , diploma de doctor seria R nr.0005579/1999 Institutul de Fizica Atomica Bucuresti, Romania
2003-2005	Curs post-universitar de „Informatica tehnica”- Universitatea Aurel Vlaicu din Arad/ specialist in informatica tehnica Universitatea Aurel Vlaicu din Arad, , Bd.Revolutiei , nr.77, Arad, Romania
2004-2006	Master „Informatică de gestiune” Universitatea Aurel Vlaicu din Arad, , Bd.Revolutiei , nr.77, Arad, Romania
2008-2010	Master „ FINANTARE SI MANAGEMENT IN ADMINISTRATIA PUBLICA” Universitatea Aurel Vlaicu din Arad, , Bd.Revolutiei , nr.77, Arad, Romania

2010-2013	Doctorand Economie Universitatea Oradea
2016-2018	Master : MEDICAMENTE DE TIP OTC, SUPLIMENTE ALIMENTARE, COSMETICE <i>Universitatea de Medicina si Farmacie Victor Babes –Timisoara, Facultatea de Farmacie , Departamentul I, Disciplina de Fizica Farmaceutica, P-ta E.Murgu, nr.2, Timisoara, 300041.</i>
Experiența profesională	INFORMAȚII DESPRE EXPERIENȚA PROFESIONALĂ ȘI LOCURILE DE MUNCA RELEVANTE
2018-prezent	Conferentiar universitar Fizica Farmaceutica si Biofizica –Curs, laborator –grupele Farmacie în limba franceza Fizica Farmaceutica si Biofizica –Curs, laborator –grupele Farmacie în limba romana <i>Universitatea de Medicina si Farmacie Victor Babes –Timisoara, Facultatea de Farmacie , Departamentul I, Disciplina de Fizica Farmaceutica, P-ta E.Murgu, nr.2, Timisoara, 300041.</i> Activitate didactica si de cercetare stiintifica
2015- 2018	Sef lucrari Fizica Farmaceutica –Curs, laborator –grupele Farmacie în limba franceza Fizica Farmaceutica –Curs, laborator –grupele Farmacie în limba romana Fenomene fizice la interfata – curs , laborator grupele Farmacie în limba franceza si limba romana. <i>Universitatea de Medicina si Farmacie Victor Babes –Timisoara, Facultatea de Farmacie , Departamentul I, Disciplina de Fizica Farmaceutica, P-ta E.Murgu, nr.2, Timisoara, 300041.</i> Universitatea de Medicina și Farmacie Victor Babes Timiosara , Facultatea de Farmacie , disciplina FIZICA FARMACEUTICA, Activitate didactica si de cercetare stiintifica
2014-2015	Fizica Farmaceutica –Curs, laborator –grupele Farmacie în limba franceza <i>Universitatea de Medicina si Farmacie Victor Babes –Timisoara, Facultatea de Farmacie , Departamentul I, Disciplina de Fizica Farmaceutica, P-ta E.Murgu, nr.2, Timisoara, 300041.</i> Activitate didactica si de cercetare stiintifica
2013-2014	Biofizica- laborator –grupele Medicina generala în limba engleza <i>Universitatea de Medicina si Farmacie Victor Babes –Timisoara, Facultatea de Farmacie , P-ta E.Murgu, nr.2, Timisoara, 300041.</i> Activitate didactica

2003-2013	<p>conferentiar universitar cf.OM 4084/04.06.2003.(confirmare pentru fizica si biofizica primita de la Comisia de Fizica din Cadrul CNCS)</p> <ul style="list-style-type: none"> - Fizică- Curs, Seminar , laborator la sectiile de protectia mediului, inginerie mecanica, automatica, - Fizica și Biofizică- Curs, Seminar , laborator – la sectiile de inginerie alimentara, - Electromagnetism- cursuri si seminarii la sectia de automatică - Baze de date cursuri – Curs, seminar, laboratoare la sectiile de inginerie economică, - Mecanica Fluidelor – Curs , la sectiile de protectia mediului - Managementul calitatii totale -Curs, Seminar , laborator- la sectiile de inginerie economică - Logistica- Curs, Seminar , laborator- la sectiile de inginerie economică - Management strategic- - Curs, Seminar , laborator- la sectiile de inginerie economică - indrumarea lucrarilor de licenta la sectiile de inginerie <p>Universitatea Aurel Vlaicu din Arad Activitate didactica si de cercetare stiintifica</p>
2000	<p>stagiul postdoctoral, Universitatea Utrecht –Olanda, Facultatea de Petrologie, Laboratorul de cristalografie Specialist in cristalografie, materiale avansate, simularea structurii, a formelor de crestere si de echilibru a materialelor cristaline.</p>
2007	<p>Stagiu postdoctoral Insitul de Creșterea Cristalelor, Berlin, Germania Specialist in cristalografie, materiale avansate, simularea structurii, a formelor de crestere si de echilibru a materialelor cristaline.</p>
2008	<p>„Maître de conference”, Universitatea Henry Poincare, Nancy, Franta Specialist in cristalografie, materiale avansate, simularea structurii, a formelor de crestere si de echilibru a materialelor cristaline.</p>
1997-2003	<p>Sef lucrari</p> <ul style="list-style-type: none"> - Fizică- Curs, Seminar , laborator la sectiile de protectia mediului, inginerie mecanica, automatica, - Fizica și Biofizică- Curs, Seminar , laborator – la sectiile de inginerie alimentara, <p>Universitatea Aurel Vlaicu din Arad Activitate didactica si de cercetare stiintifica</p>
1990-1997	<p>preparator, asistent</p> <ul style="list-style-type: none"> - Fizică- Seminar , laborator - Fizica și Biofizică- Seminar , laborator <p>Universitatea Aurel Vlaicu din Arad Activitate didactica și de cercetare științifică</p>
1989-1990	<p>profesor de fizica – scoala Sebis- jud. Arad (repartitie guvernamentala) ore de fizica la scoala generala si liceu Activitate didactica</p>

<p>Cursuri, laboratoare, seminarii elaborate Pe suport de hartie, electronic, in prezentare (*.ppt)</p>	<ul style="list-style-type: none"> - Fizica farmaceutica – curs, laborator – limba franceza si limba romana - Fenomene Fizico- Chimice la interfete – curs, - Fizică- Curs, Seminar , laborator . - Fizica și Biofizică- Curs, Seminar , laborator . - Electromagnetism- Curs, Seminar , laborator .(Curs Nou introdus) - Baze de date (Sisteme de gestiune a bazelor de date) – Curs, Seminar , laborator . (Curs Nou introdus) - Mecanica Fluidelor, Hidraulica si Hidrologie – Curs, Seminar , laborator . - Managementul calitatii totale - Curs, Seminar , laborator . - Logistica- Curs, Seminar , laborator . (Curs Nou introdus) - Management strategic- Curs, Seminar , laborator . - Simulare si jocuri de intreprindere – laboratoare cu aplicatii in statistica , aplicatii realizate in E-View 4.0. (Nou introdus) - Fizica pentru perfectionarea profesorilor de fizica - Curs, Seminar , laborator . - Didactica fizicii pentru perfectionarea profesorilor de fizica- Curs, Seminar , laborator . - Materiale Compozite - Curs, Seminar , laborator . 													
<p>Rezultatele activitatii didactice si de cercetare</p>	<ul style="list-style-type: none"> - 17 carti +1 capitol publicat in carte (international) - 91 de lucrari din care 20 lucrari ISI, respectiv 11 lucrari Proceeding ISI - 70 Prezente la conferinte nationale și internationale : - 100 citari (fara autocitari) cf. <i>Web of Science Core Collection</i> - 12 participări in programe si proiecte , nationale si internationale 													
<p>Aptitudini și competențe personale</p>														
<p>Limba(i) maternă(e)</p>	<p>ROMANA</p>													
<p>Limba(i) străină(e) cunoscută(e)</p>														
<p>Autoevaluare</p>			<p style="text-align: center;">Înțelegere</p>				<p style="text-align: center;">Vorbire</p>				<p style="text-align: center;">Scriere</p>			
<p><i>Nivel european</i> (*)</p>	<p style="text-align: center;">Ascultare</p>		<p style="text-align: center;">Citire</p>				<p style="text-align: center;">Participare la conversație</p>				<p style="text-align: center;">Discurs oral</p>		<p style="text-align: center;">Exprimare scrisă</p>	
<p>Limba Engleza</p>	<p style="text-align: center;">C1</p>	<p style="text-align: center;">utilizator experimentat</p>	<p style="text-align: center;">C1</p>	<p style="text-align: center;">utilizator experimentat</p>	<p style="text-align: center;">C1</p>	<p style="text-align: center;">utilizator experimentat</p>	<p style="text-align: center;">C1</p>	<p style="text-align: center;">utilizator experimentat</p>	<p style="text-align: center;">C1</p>	<p style="text-align: center;">utilizator experimentat</p>				
<p>Limba Franceza</p>	<p style="text-align: center;">C1</p>	<p style="text-align: center;">utilizator experimentat</p>	<p style="text-align: center;">C1</p>	<p style="text-align: center;">utilizator experimentat</p>	<p style="text-align: center;">C1</p>	<p style="text-align: center;">utilizator experimentat</p>	<p style="text-align: center;">C1</p>	<p style="text-align: center;">utilizator experimentat</p>	<p style="text-align: center;">C1</p>	<p style="text-align: center;">utilizator experimentat</p>				
<p>Limba Germana</p>	<p style="text-align: center;">A2</p>	<p style="text-align: center;">utilizator independent</p>	<p style="text-align: center;">A2</p>	<p style="text-align: center;">utilizator independent</p>	<p style="text-align: center;">A2</p>	<p style="text-align: center;">utilizator independent</p>	<p style="text-align: center;">A2</p>	<p style="text-align: center;">utilizator independent</p>	<p style="text-align: center;">A2</p>	<p style="text-align: center;">utilizator independent</p>				
	<p>(*) <i>Nivelul Cadrului European Comun de Referință Pentru Limbi Străine</i></p>													

Competențe și abilități sociale	Sociabilitate , capacitatea si disponibilitatea de a lucra in echipa, comunicare.
Competențe și aptitudini organizatorice	Competentele si aptitudinile organizatorice au fost dobandite in urmatoarele conditii <ul style="list-style-type: none"> • Ca director al departamentului de cercetare stiintifica în cadrul UAV în perioada 2006-2008. • Ca presedinte de Bacalaureat în sesiunile iunie-iulie în perioada 1999-2009 • Conducerea și îndrumarea lucrărilor de licență în perioada 2003-prezent • Lucrul în echipele de cercetare în cadrul proiectelor de cercetare în care am fost implicata din 1991- prezent.
Competențe și aptitudini tehnice	Competentele si aptitudinile tehnice dobandite in perioadele de realizare a lucrarilor de laborator la discilplinele fizica, fizica si biofizica , electromagnetism (am realizat o dotare a laboratorului de fizica din Universitatea Aurel Vlaicu in valoare de 50.000 EUR) , participarea in contractele de cercetare cu caracter experimental în perioada 1991- prezent. In UMF Timisoara - Facultatea de Farmacie am realizat un laborator de fizica farmaceutica unde se pot realiza 20 de lucrari de laborator . Au fost concepute indrumatoare de laborator in romana si franceza pentru lucrarile realizate care urmeaza a fi publicate in timp minim , dar si un suport de curs in ppt in romana si franceza.
Competențe și aptitudini de utilizare a calculatorului	Abilități de lucru în programe sub Windows si Linux (prezentarea tuturor cursurilor la care sunt titular de disciplina in formate (*.ppt), mi-am conceput programe executabile pentru facilitarea si modernizarea lucrarilor de laborator pe care le efectuez, simularea pe calculator in programe specializate pentru partea de cercetare stiintifica Carine Crystallography, MathCad Professional, E-View, Excel, Access,
Competențe și aptitudini artistice	Cant la pian
Permis(e) de conducere	permis de conducere de tip B

Lista cu cele mai importante contracte nationale si internationale:

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
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. 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

Premii :

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, Cocrystal 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.

BREVETE DE INVENTIE

AUTORI: Duma Virgil Florin, **Nicolov Mirela**, Mnerie Corina, Szantho Lucian.

MODULATOR OPTIC CU MISCARE DE ROTATIE, Brevet de inventie nr 126505/ 2016 (OSIM, Bucuresti)

Carti publicate:

1. **Nicolov M**, Szabadai Z., *Physique Pharmaceutique, Part I: Mécanique, Thermodynamique. Physique Moléculaire, Physique des liquides, Phénomènes des transport de la substance et transport de la chaleur, Biophysique de la cellule, du noyau et des membranes biologiques, Transmission synaptique*, Ed. V.Babes, **2016**,300 PAG, ISBN: 978-606-786-001-6
2. **Nicolov M**, Szabadai Z., *Physique Pharmaceutique, Part II: Electricité, Magnétisme, Electromagnétisme, Son et ultrason, Radioactivité, Lasers, Optique, Physique atomique et nucléaire*, Ed. V.Babes, **2018**,275 pag, ISBN: 978-606-786-058-0
3. Szabadai Z., **Nicolov M**, *Fizica Farmaceutica, Partea I: Mecanica, Termodinamica, Fizica Moleculara, Fizica Lichidelor, Fenomene de Transport*, Ed. V.Babes, **2016**,**270 PAG**, ISBN: 978-606-786-003-0
4. Szabadai Z., **Nicolov M**, *Fizica Farmaceutica, Partea II: Electricitate, Magnetism, Optică, Fizică atomică*, Ed. V.Babes, **2018**. 386 pag, ISBN: 978-606-786-059-7
5. **Nicolov M**, Szabadai Z., *Fizica Farmaceutica – Aplicatii experimentale*, Ed. V.Babes, **2019**., 251 PAG, ISBN 978-606-133-4 , http://www.umft.ro/data_files/documente-atasate-sectioniuni/5628/fizfarma_20lab_20carte_2016092019.pdf
6. **Nicolov M**, Szabadai Z., *Physique Pharmaceutique Travaux Pratiques*, Ed. V.Babes, **2016**., 229 PAG, ISBN: 978-606-8456-95-9
7. **Mirela Nicolov**, *Fizica pentru Ingineri*, Ed.UAV, Arad,**2009**,300 pag 978-973-752-344-0
8. **Mirela Nicolov**, *Materiale Avansate*, Editura Universitatii “Aurel Vlaicu”, Arad, **2007**,210 pag, ISBN(10)973- 752-106-4; (13)978-973-752-106-4:
9. **Mirela Nicolov**, *Electromagnetism – Teorie si Aplicatii*, Ed.UAV,, Arad,**2006**,215 pag ISBN (10) 973-752-073-4; (13) 978-973-752-073-9
10. **Mirela Nicolov**, *Fizica – Teorie si Aplicatii*, Ed.UAV,, Arad, **2006**,295pag, ISBN(10)973- 752-064-5; (13)978-973-752-064-7
11. **Mirela Nicolov**, *Notiuni de Fizica Moderna*, Editura Universitatii “Aurel Vlaicu”, Arad, **2005**, 250pag,ISBN 973- 8363-72-1
12. Gheorghe.A.Gherman, **Mirela Nicolov**, *Notiuni de Elasticitate si Fotoelasticitate*, Editura Gutemberg , Arad, ISBN 973-8096-55-3, 182 pag. , **2002**.
13. **Mirela Nicolov** , *Indrumator de laborator de fizica* , Lito , Universitatea "Aurel Vlaicu "Arad , **1993**, (114 pag).
14. **Mirela Nicolov**, *Fizica Aplicatii Experimentale*, Editura Gutemberg Arad, **2002**, 212pag, ISBN 973-8096-48-0
15. **Mirela Nicolov**, *Fizica Aplicatii Teoretice*, Editura Gutemberg Arad, **2002**, 198 pag, ISBN 973- 8096-49-9
16. **Mirela Nicolov**, *Fizica si Biofizica*, Ed.UAV,Arad, **2001**,400pag, ISBN 973- 9361-56-0
17. **Mirela Nicolov**, *Fizica Generala , vol.I.*, Editura “Viata Aradeana” Arad , **2000**, 272 pag, ISBN 973-9454-38-0
18. **Mirela Nicolov**, *Indrumator de laborator la disciplina fizica* ,Litografiat, Univ. "A Vlaicu "Arad , **1995**.(125 pag).

Capitole publicate in carti internationale

1. Duma V.F.*, **M. F. Nicolov**, M. Kiss, T. Ilca, C. Mnerie, D. Demian and L. Szantho, Choppers: Optomechatronic Devices for the Controlled Modulation of Light, *Mechanisms, Transmissions and Applications*, Mechanisms and Machine Science, Vol. 3, part 11/II, Lovasz E.C., Corves B., Eds., **2011**, Springer, Heidelberg; ISSN 2211-0984, ISBN 978-94-007-2726-7, <http://dx.doi.org/10.1007/978-94-007-2727-4>;
2. Corina Danciu, Diana Antal, Stefana Avram, Valentina Buda, Ioana Zinuca Pavel, Daliana Minda, Florina Ardelean, **Mirela Nicolov**, and Cristina Dehelean. Essential Mineral Elements: Macronutrients and Micronutrients from Herbs in Human Health- Phytochemicals: Plant Sources and Potential Health Benefits,Ed. Iman Ryan, Series: Plant Science Research and Practices, ISBN: 978-1-53615-478-8, Nova Science Publishers, Inc. , New York, USA, **2019**,

Lucrari publicate:

2021

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. Pop, D ,Buzatu, R , Moaca, EA,Watz, CG ,Pinzaru, SC , Tudoran, LB ,Nekvapil, F ,Avram, S , Dehelean, CA, Cretu, MO, Nicolov, M , Szuhaneck, C , Jivanescu, A , Development and Characterization of Fe₃O₄@Carbon Nanoparticles and Their Biological Screening Related to Oral Administration, *MATERIALS*, 14/ 13, Article Number 3556, DOI:10.3390/ma14133556., IF: 3.623

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](https://doi.org/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](https://doi.org/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](https://doi.org/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. Emiliana-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
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