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EXPERIENȚA PROFESIONALĂ

01/10/2024 – ÎN CURS Timișoara, România

PROFESOR UNIVERSITAR UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Activitate didactica si de cercetare stiintifica

22/01/2024 – ÎN CURS Timișoara, România

CONFERENȚIAR ABILITAT (O.M.3234/22.01.2024) UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Coordonare teze de doctorat, domeniul Farmacie

Adresă Piața Eftimie Murgu, Nr.2, Timișoara, România

15/02/2021 – 30/09/2024 Timișoara, România

CONFERENȚIAR UNIVERSITAR UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Activitate didactica si de cercetare stiintifica

Adresă Piața Eftimie Murgu, Nr.2, Timișoara, România

15/09/2018 – 14/02/2021 Timișoara, România

ȘEF DE LUCRĂRI UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Activitate didactica si de cercetare stiintifica

Adresă Piața Eftimie Murgu, Nr.2, Timișoara, România

17/02/2014 – 14/09/2018 Timișoara, România

ASISTENT UNIVERSITAR UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Activitate didactica si de cercetare stiintifica

Adresă Piața. Eftimie Murgu, Nr.2, Timișoara, România

10/12/2012 – 07/06/2013 Timișoara, România

PRACTICANT ÎN FARMACIE DE CIRCUIT DESCHIS S.C. FARMA STYL S.R.L

Asistență farmaceutică a populației și comerțul cu amanuntul al produselor farmaceutice
Sănătate publică

Adresă Strada Liege, Nr. 4a, Timișoara, România

18/02/2013 – 31/05/2013 Timișoara, România

VOLUNTARIAT UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Predat sub asistență, lucrările practice de Chimie Farmaceutica în cadrul Facultății de Farmacie

Adresă Piața Eftimie Murgu, Nr.2, Timișoara, România

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

01/01/2022 – 31/12/2024 Timișoara, România

FARMACIST REZIDENT, FARMACIE GENERALĂ UMF "Victor Babeș" Timișoara

Adresă Piața Eftimie Murgu, Nr.2, Timișoara, România

01/10/2018 – 06/03/2023 Timișoara, România
DOCTOR, DOMENIUL FARMACIE UMF "Victor Babeș" Timișoara

Adresă Piața Eftimie Murgu, Nr.2, Timișoara, România

01/01/2018 – 01/01/2021 România
FARMACIST REZIDENT, LABORATOR FARMACEUTIC UMF „Grigore T. Popa” Iași/ UMF "Victor Babeș" Timișoara

Adresă Strada Universității 16, Iași, Piața Eftimie Murgu Nr.2, Timișoara, România

01/11/2013 – 28/08/2017 Timișoara, România
DOCTOR, DOMENIUL CHIMIE Academia Română, Institutul de Chimie "Coriolan Drăgulescu"

Adresă Bulevardul Mihai Viteazu Nr. 24, Timișoara, România

2016 – 2017 Timișoara, România
CERTIFICAT DE ABSOLVIRE AL MODULULUI PSIHO-PEDAGOGIC NIVEL I, II Universitatea de Vest

Adresă Bulevardul Vasile Pârvan Nr. 4, Timișoara, România

10/2008 – 07/2013 Timișoara, România
FARMACIST UMF "Victor Babeș" Timișoara, Facultatea de Farmacie

Adresă Piața Eftimie Murgu, Nr.2, Timișoara, România

2004 – 2008 Timișoara, România
DIPLOMA DE BACALAUREAT Colegiul Național Bănățean Timișoara

Adresă Bulevardul 16 Decembrie 1989 Nr. 26, Timișoara, România

● **COMPETENȚE LINGVISTICE**

Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehensiune orală	Citit	Exprimare scrisă	Conversație	
ENGLEZĂ	C1	C1	C1	C1	C1
FRANCEZĂ	B2	B2	B2	B2	B2
GERMANĂ	B1	B1	B1	B1	B1

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

● **COMPETENȚE**

Microsoft Office | OMEGA (OpenEye Scientific Software, Inc.) | HYBRID (OpenEye Scientific Software, Inc.) | Autodock Vina (Scripps Research Institute) | MGLTools (Scripps Research Institute) | PyRx (Scripps Research Institute) | Accelrys Discovery Studio Visualizer | Biovia Draw | Schrodinger

● **PUBLICAȚII**

Articole ISI

62 de articole publicate in jurnale indexate ISI
Indice Hirsh: 21 (WOS), 21 (Scopus), 23 (Google Scholar)

Rezumate în cadrul unor conferințe naționale/internaționale

20 de lucrări prezentate ca poster sau prezentare orală în cadrul unor conferințe naționale și internaționale

Cărți/ Capitoale de cărți

- Stefana Avram, Roxana Ghiulai, Ioana Zinuca Pavel, Marius Mioc, Roxana Babuta, Mirela Voicu, Dorina Coricovac, Corina Danciu, Cristina Dehelean, Codruta Soica. *"Phytochemicals targeting cancer angiogenesis using the chorioallantoic membrane assay"*. INTECH, Phytochemistry - Natural Products and Cancer. 2017. ISBN 978-953-51-5277-4.
- Codruta Soica, Iulia Pinzaru, Cristina Trandafirescu, Florina Andrica, Corina Danciu, Marius Mioc, Dorina Coricovac¹, Cassian Sitaru, Cristina Dehelean. *"Silver-, gold-, and iron-based metallic nanoparticles: Biomedical applications as theranostic agents for cancer"*. ELSEVIER, Design of Nanostructures for Theranostics Applications. 2018. ISBN: 978-0-12-813669-0

PROIECTE

Granturi derulate în calitate de Director de Proiect

- Grant UMFVBT, PII-C5-TC-2017 „Sinteza și analiza preliminară a unor noi derivați de 3-mercapto,1,2,4-triazol cu potențial efect antitumoral”
- Grant național post-doctoral, PN-III-P1-1.1-PD-2019-1078 „Sinteza și evaluarea de noi bioconjugati de nanoparticule de aur-triazol-triterpene, utilizate ca agenți activi în melanomul malign”

Granturi derulate în calitate de Membru în echipa de cercetare a Proiectului

- Proiect PN-III-P2—2.1-BG-2016-0354 - „Formulări pe bază de betulină și nanoparticule de aur în combaterea procesului de îmbătrânire a pielii”, 2016-2018.
- Proiect PN-II-RU-TE- 2014-4-0422 - „Strategii inovative de modelare in silico a promiscuitatii compusilor evaluati in testari biologice de capacitate ridicata”, 2014-2016.
- Proiect bilateral RO-FR 789/30.06.2014 – “Nanostructuri cu aurone, chalcone și extracte vegetale standardizate: dezvoltarea unui nou prototip de agent chemopreventiv și antiinflamator”, 2014-2016.
- Proiect III-C1-PCFI-2014/2016 - „Sinteza unor compuși cu potențială activitate antitumorală prin reacții de derivatizare și caracterizarea acestora prin tehnici hifenate. Evaluarea activității antiangiogenice, antineoplazice și antiinflamatoare”, 2014-2016.
- Proiect III-C5-PCFI-2017/2018 - „Potențialul antiinflamator, chemopreventiv și antitumoral în cancerul mamar al unor extracte vegetale standardizate din melissa officinalis în nanoformulări cu ciclodextrine”, 2017-2018.
- Proiect PN-III-P2-2.1-PED-2019-3067 „Nanobiostructuri inovatoare, bazate pe nanoparticule feromagnetice conjugate cu ciclodextrine, pentru creșterea eficacității și reducerea toxicității în terapia cancerului prin hipertermie SP-magnetică”, 2019-2021.
- Proiect 1EXP/1233/30.01.2020 LUPSKINPATH “Lupeol as bioactive natural compound in the local treatment of wounds and inflammation from mild to severe pathologies: experimental evaluations and market pre-proposal”, 2020-2021.

CONFERINȚE ȘI SEMINARE

15/10/2015 – 17/10/2015 Timișoara

Cursuri de pregătire postuniversitară și de educație farmaceutică continuă: “Rezistență bacteriană la antibiotice – o continuare provocare”

08/12/2016 – 10/12/2016 Timișoara

Cursuri de pregătire postuniversitară și de educație farmaceutică continuă: “Terapii actuale utilizate în tratamentul cancerului colorectal”

26/10/2017 – 28/10/2017

Cursuri de pregătire postuniversitară și de educație farmaceutică continuă: “Anticorpi monoclonali”

DISTINCȚII ONORIFICE ȘI PREMII

Premii PRECISI pentru articole științifice – UEFISCDI

26 de premii acordate prin programul de finanțare PRECISI, pentru articole publicate în jurnale indexate Q1/Q2 conform JCR

PERMIS DE CONDUCERE

Permis de conducere: B

LISTA DE LUCRĂRI ȘTIINȚIFICE MIOC MARIUS NICOLAE

I. Teze de doctorat:

1. “Proiectarea, sinteza și testarea unor compuși bioactivi noi, potențiale medicamente pentru căile de semnalizare în cancerul de colon”, domeniul Chimie, 2017, coordonator Prof. Univ. Dr. Ludovic Kurunczi, Institutul de Chimie “Coriolan Drăgulescu” al Academiei Române, Timișoara
2. “Design, synthesis, and biological activity assessment of potential antitumor heterocyclic triterpene derivatives”, domeniul Farmacie”, coordonator Prof. Univ. Dr. Șoica Codruța, UMF “Vitor Babeș” din Timișoara

II. Teză de abilitare

“In silico and chemical synthesis methods used for the development and formulation of pharmacologically active compounds”, 2023, UMF “Vitor Babeș” din Timișoara

III. Articole publicate în extenso în reviste de specialitate

a. Articole publicate în reviste cotate ISI

1. Pinzaru, I.; Trandafirescu, C.; Szabadai, Z.; **Mioc, M.**; Ledeti, I.; Coricovac, D.; Ciurlea, S.; Ghiulai, R.M.; Crainiceanu, Z.; Simu, G. Synthesis and Biological Evaluation of Some Pentacyclic Lupane Triterpenoid Esters. *Rev. Chim.* 2014, 65, 848–851.
2. Ledeti, I.; Avram, S.; Bercean, V.; Vlase, G.; Vlase, T.; Ledeti, A.; Zupko, I.; **Mioc, M.**; Suta, L.M.; Soica, C.; et al. Solid-State Characterization and Biological Activity of Betulonic Acid Derivatives. *MOLECULES* 2015, 20, 22691–22702, doi:10.3390/molecules201219876.
3. Oprean, C.; **Mioc, M.**; Csányi, E.; Ambrus, R.; Bojin, F.; Tatu, C.; Cristea, M.; Ivan, A.; Danciu, C.; Dehelean, C.; et al. Improvement of Ursolic and Oleanolic Acids’ Antitumor Activity by Complexation with Hydrophilic Cyclodextrins. *Biomed. Pharmacother.* 2016, 83, 1095–1104, doi:10.1016/j.biopha.2016.08.030.
4. Nicolov, M.; **Mioc, M.**; Dragos, D. Hartman Perdok Method for Analysis of Growth Form of Crystals. *Rev. Chim.* 2016, 67, 1014–1018.
5. Soica, C.; Coricovac, D.; Dehelean, C.; Pinzaru, I.; **Mioc, M.**; Danciu, C.; Fulias, A.; Puiu, M.; Sitaru, C. Nanocarriers as Tools in Delivering Active Compounds for Immune System Related Pathologies. *Recent Pat. Nanotechnol.* 2016, 10, 128–145, doi:10.2174/1872210510999160427113345.
6. Andor, B.; Danciu, C.; Alexa, E.; Zupko, I.; Hoge, E.; Cioca, A.; Coricovac, D.; Pinzaru, I.; Patrascu, J.; **Mioc, M.**; et al. Germinated and Ungerminated Seeds Extract from Two Lupinus Species: Biological Compounds Characterization and In Vitro and In Vivo Evaluations. *EVIDENCE-BASED Complement. Altern. Med.* 2016, 2016, doi:10.1155/2016/7638542.
7. Moleriu, L.; Duse, A.O.; Borcan, F.; Soica, C.; Kurunczi, L.; Nicolov, M.; **Mioc, M.** Formulation and Characterization of Antibacterial Hydrogels Based on Polyurethane Microstructures and 1,2,4-Triazole Derivatives. *Mater. Plast.* 2017, 54, 348–352.
8. Danciu, C.; Alexa, E.; Avram, S.; Minda, D.; Pavel, I.Z.; Babuta, R.; **Mioc, M.**; Ledeti, I.; Hepcal, I.C.; Motoc, A. Total Polyphenol Content and Antiproliferative Activity of Green Tea Extracts Collected from Romanian Pharmaceuticals Market. *Rev. Chim.* 2017, 68, 1174–1176.
9. **Mioc, M.**; Avram, S.; Tomescu, A.B.; Chiriac, D. V.; Heghes, A.; Voicu, M.; Voicu, A.; Citu, C.; Kurunczi, L. Docking Study of 3-Mercapto-1,2,4-Triazole Derivatives as Inhibitors for VEGFR and EGFR. *Rev. Chim.* 2017, 68, 500–503.
10. **Mioc, M.**; Avram, S.; Bercean, V.; Porcarasu, M.B.; Soica, C.; Susan, R.; Kurunczi, L. Synthesis, Characterization and Antiproliferative Activity Assessment of a Novel 1H-5-Mercapto-1,2,4 Triazole Derivative. *Rev. Chim.* 2017, 68, 745–747.

11. **Mioc, M.**; Soica, C.; Bercean, V.; Avram, S.; Balan-Porcarasu, M.; Coricovac, D.; Ghiulai, R.; Muntean, D.; Andrica, F.; Dehelean, C.; et al. Design, Synthesis and Pharmac-Toxicological Assessment of 5-Mercapto-1,2,4-Triazole Derivatives with Antibacterial and Antiproliferative Activity. *Int. J. Oncol.* 2017, 50, 1175–1183, doi:10.3892/ijo.2017.3912.
12. Coricovac, D.; Pavel, I.Z.; Draghici, G.A.; Pinzaru, I.; Avram, S.; **Mioc, M.**; Ghiulai, R.; Soica, C.; Dehelean, C.A. In Vitro Anti-Proliferative and Antimetastatic Effects of Lupan Pentacyclic Triterpenes. *Toxicol. Lett.* 2017, 280, S273, doi:10.1016/j.toxlet.2017.07.962.
13. Pinzaru, I.; Coricovac, D.; Dehelean, C.; Moaca, E.-A.; **Mioc, M.**; Baderca, F.; Sizemore, I.; Brittle, S.; Marti, D.; Calina, C.D.; et al. Stable PEG-Coated Silver Nanoparticles - A Comprehensive Toxicological Profile. *FOOD Chem. Toxicol.* 2018, 111, 546–556, doi:10.1016/j.fct.2017.11.051.
14. **Mioc, M.**; Avram, S.; Bercean, V.; Kurunczi, L.; Ghiulai, R.M.; Oprean, C.; Coricovac, D.E.; Dehelean, C.; Mioc, A.; Balan-Porcarasu, M.; et al. Design, Synthesis and Biological Activity Evaluation of S-Substituted 1H-5-Mercapto-1,2,4-Triazole Derivatives as Antiproliferative Agents in Colorectal Cancer. *Front. Chem.* 2018, 6, doi:10.3389/fchem.2018.00373.
15. Cheverasan, A.; **Mioc, M.**; Simu, S.; Soica, C.; Dehelean, C.; Szasz, F.; Navolan, D.; Poenaru, M. Binding Affinity of 17-Beta-Ethinylestradiol to Normal and Mutant Types of Estrogen Receptors. *Rev. Chim.* 2018, 69, 2067–2070.
16. Macasoi, I.; **Mioc, M.**; Vaduva, D.B.; Ghiulai, R.; Mioc, A.; Soica, C.; Muntean, D.; Dumitrascu, V. In Silico Evaluation of the Antiproliferative Mitochondrial Targeted Mechanism of Action of Some Pentacyclic Triterpene Derivatives. *Rev. Chim.* 2018, 69, 3361–3363.
17. **Mioc, M.**; Pavel, I.Z.; Ghiulai, R.; Coricovac, D.E.; Farcas, C.; Mihali, C.-V.; Oprean, C.; Serafim, V.; Popovici, R.A.; Dehelean, C.A.; et al. The Cytotoxic Effects of Betulin-Conjugated Gold Nanoparticles as Stable Formulations in Normal and Melanoma Cells. *Front. Pharmacol.* 2018, 9, doi:10.3389/fphar.2018.00429.
18. Nicolov, M.; Ghiulai, R.M.; Voicu, M.; **Mioc, M.**; Duse, A.O.; Roman, R.; Ambrus, R.; Zupko, I.; Moaca, E.A.; Coricovac, D.E.; et al. Cocystal Formation of Betulinic Acid and Ascorbic Acid: Synthesis, Physico-Chemical Assessment, Antioxidant, and Antiproliferative Activity. *Front. Chem.* 2019, 7, doi:10.3389/fchem.2019.00092.
19. Danciu, C.; Pinzaru, I.; Coricovac, D.; Andrica, F.; Sizemore, I.; Dehelean, C.; Baderca, F.; Lazureanu, V.; Soica, C.; **Mioc, M.**; et al. Betulin Silver Nanoparticles Qualify as Efficient Antimelanoma Agents in in Vitro and in Vivo Studies. *Eur. J. Pharm. Biopharm.* 2019, 134, 1–19, doi:10.1016/j.ejpb.2018.11.006.
20. Oancea, R.; Zaharia, C.; Gabor, A.G.; Sinescu, C.; **Mioc, M.**; Vaduva, D.B.; Simon, C.P.; Socoliuc, V.; Rominu, M.; Negrutiu, M.L. Imagistic Analysis of Dental Adhesives Loaded with Nanoparticles Used on Teeth Sealing of Pits and Fissures with Resin Based Materials. *Mater. Plast.* 2019, 56, 449–453.
21. Mioc, A.; **Mioc, M.**; Ghiulai, R.; Voicu, M.; Racoviceanu, R.; Trandafirescu, C.; Dehelean, C.; Coricovac, D.; Soica, C. Gold Nanoparticles as Targeted Delivery Systems and Theranostic Agents in Cancer Therapy. *Curr. Med. Chem.* 2019, 26, 6493–6513, doi:10.2174/0929867326666190506123721.
22. Dehelean, C.A.; Lazureanu, V.; Coricovac, D.; **Mioc, M.**; Oancea, R.; Marcovici, I.; Pinzaru, I.; Soica, C.; Tsatsakis, A.M.; Cretu, O. SARS-CoV-2: Repurposed Drugs and Novel Therapeutic Approaches-Insights into Chemical Structure-Biological Activity and Toxicological Screening. *J. Clin. Med.* 2020, 9, doi:10.3390/jcm9072084.
23. Ghiulai, R.; Avram, S.; Stoian, D.; Pavel, I.Z.; Coricovac, D.; Oprean, C.; Vlase, L.; Farcas, C.; **Mioc, M.**; Minda, D.; et al. Lemon Balm Extracts Prevent Breast Cancer Progression In Vitro and In Ovo on Chorioallantoic Membrane Assay. *EVIDENCE-BASED Complement. Altern. Med.* 2020, 2020, doi:10.1155/2020/6489159.

24. Ghiulai, R.; Roșca, O.J.; Antal, D.S.; **Mioc, M.**; Mioc, A.; Racoviceanu, R.; Macașoi, I.; Olariu, T.; Dehelean, C.; Crețu, O.M.; et al. Tetracyclic and Pentacyclic Triterpenes with High Therapeutic Efficiency in Wound Healing Approaches. *Molecules* 2020, 25, 5557, doi:10.3390/molecules25235557.
25. Macasoi, I.; Mioc, A.; **Mioc, M.**; Racoviceanu, R.; Soica, I.; Cheveresan, A.; Dehelean, C.; Dumitrascu, V. Targeting Mitochondria through the Use of Mitocans as Emerging Anticancer Agents. *Curr. Med. Chem.* 2020, 27, 5730–5757, doi:10.2174/0929867326666190712150638.
26. Farcas, C.G.; Dehelean, C.; Pinzaru, I.A.; **Mioc, M.**; Socoliuc, V.; Moaca, E.A.; Avram, S.; Ghiulai, R.; Coricovac, D.; Pavel, I.; et al. Thermosensitive Betulinic Acid-Loaded Magnetoliposomes: A Promising Antitumor Potential for Highly Aggressive Human Breast Adenocarcinoma Cells Under Hyperthermic Conditions. *Int. J. Nanomedicine* 2020, 15, 8175–8200, doi:10.2147/IJN.S269630.
27. Kazakova, O.; Lopatina, T.; Giniyatullina, G.; **Mioc, M.**; Soica, C. Antimycobacterial Activity of Azepanobetulin and Its Derivative: In Vitro, in Vivo, ADMET and Docking Studies. *Bioorg. Chem.* 2020, 104, doi:10.1016/j.bioorg.2020.104209.
28. Dehelean, C.A.; Marcovici, I.; Soica, C.; **Mioc, M.**; Coricovac, D.; Iurciuc, S.; Cretu, O.M.; Pinzaru, I. Plant-Derived Anticancer Compounds as New Perspectives in Drug Discovery and Alternative Therapy. *MOLECULES* 2021, 26, doi:10.3390/molecules26041109.
29. Pancu, D.F.; Scurtu, A.; Macasoi, I.G.; Marti, D.; **Mioc, M.**; Soica, C.; Coricovac, D.; Horhat, D.; Poenaru, M.; Dehelean, C. Antibiotics: Conventional Therapy and Natural Compounds with Antibacterial Activity-A Pharmac-Toxicological Screening. *ANTIBIOTICS-BASEL* 2021, 10, doi:10.3390/antibiotics10040401.
30. Kazakova, O.; Rubanik, L.; Lobov, A.; Poleshchuk, N.; Baikova, I.; Kapustina, Y.; Petrova, A.; Korzun, T.; Lopatina, T.; Fedorova, A.; **Mioc, M.**; et al. Synthesis of Erythrodiol C-Ring Derivatives and Their Activity against Chlamydia Trachomatis. *Steroids* 2021, 175, doi:10.1016/j.steroids.2021.108912.
31. Kazakova, O.; Mioc, A.; Smirnova, I.; Baikova, I.; Voicu, A.; Vlaia, L.; Macașoi, I.; **Mioc, M.**; Drăghici, G.; Avram, Ș.; et al. Novel Synthesized N-Ethyl-Piperazinyl-Amides of C2-Substituted Oleanonic and Ursonic Acids Exhibit Cytotoxic Effects through Apoptotic Cell Death Regulation. *Int. J. Mol. Sci.* 2021, 22, 10967, doi:10.3390/ijms222010967.
32. Radulescu, M.; Jianu, C.; Lukinich-Gruia, A.T.; **Mioc, M.**; Mioc, A.; Soica, C.; Stana, L.G. Chemical Composition, In Vitro and In Silico Antioxidant Potential of Melissa Officinalis Subsp. Officinalis Essential Oil. *ANTIOXIDANTS* 2021, 10, doi:10.3390/antiox10071081.
33. Kazakova, O.; Șoica, C.; Babaev, M.; Petrova, A.; Khusnutdinova, E.; Poptsov, A.; Macașoi, I.; Draghici, G.; Avram, Ștefana; Vlaia, L.; **Mioc, M.**; et al. 3-Pyridinylidene Derivatives of Chemically Modified Lupane and Ursane Triterpenes as Promising Anticancer Agents by Targeting Apoptosis. *Int. J. Mol. Sci.* 2021, 22, doi:10.3390/ijms221910695.
34. Minda, D.; Mioc, A.; Banciu, C.; Soica, C.; Racoviceanu, R.; **Mioc, M.**; Macasoi, I.; Avram, S.; Voicu, A.; Motoc, A.; et al. Cyclodextrin Dispersion of Mebendazole and Flubendazole Improves In Vitro Antiproliferative Activity. *PROCESSES* 2021, 9, doi:10.3390/pr9122185.
35. Kazakova, O.; Racoviceanu, R.; Petrova, A.; **Mioc, M.**; Militaru, A.; Udrescu, L.; Udrescu, M.; Voicu, A.; Cummings, J.; Robertson, G.; et al. New Investigations with Lupane Type A-Ring Azepane Triterpenoids for Antimycobacterial Drug Candidate Design. *Int. J. Mol. Sci.* 2021, 22, doi:10.3390/ijms222212542.
36. Soica, C.; Voicu, M.; Ghiulai, R.; Dehelean, C.; Racoviceanu, R.; Trandafirescu, C.; Rosca, O.J.; Nistor, G.; **Mioc, M.**; Mioc, A. Natural Compounds in Sex Hormone-Dependent Cancers: The Role of Triterpenes as Therapeutic Agents. *Front. Endocrinol. (Lausanne)*. 2021, 11, doi:10.3389/fendo.2020.612396.

37. Jianu, C.; Stoin, D.; Cocan, I.; David, I.; Pop, G.; Lukinich-Gruia, A.T.; **Mioc, M.**; Mioc, A.; Şoica, C.; Muntean, D.; et al. In Silico and In Vitro Evaluation of the Antimicrobial and Antioxidant Potential of Mentha × Smithiana R. GRAHAM Essential Oil from Western Romania. *Foods* (Basel, Switzerland) 2021, 10, 815, doi:10.3390/foods10040815.
38. Jianu, C.; Golet, I.; Stoin, D.; Cocan, I.; Bujanca, G.; Misca, C.; **Mioc, M.**; Mioc, A.; Soica, C.; Lukinich-Gruia, A.T.; et al. Chemical Profile of Ruta Graveolens, Evaluation of the Antioxidant and Antibacterial Potential of Its Essential Oil, and Molecular Docking Simulations. *Appl. Sci.* 2021, 11, doi:10.3390/app112411753.
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b. Articole publicate în reviste cotate BDI

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IV. Lucrări prezentate la conferințe

a. Prezentări orale

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3. Gabriela Nistor, Marius Mioc, Roxana Ghiulai, Roxana Racoviceanu, Codruta Soica. Synthesis of betulinic acid 1,2,4-triazole derivatives suitable for cyclodextrin inclusion complex formulation. III. Symposium of Young Researchers on Pharmaceutical Technology, Biotechnology and Regulatory Science January 20-22nd 2021 Szeged, Hungary
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b. Prezentări poster

1. Codruta Soica, **Marius Mioc**, Dorina Coricovac, Cristina Dehelean, Lavinia Vlaia, Ioana Olariu, Georgeta Coneac, Anca Dragomirescu, Roxana Ghiulai, Roxana Babuta, Cristina Trandafirescu. Comparative assessment of semisolid formulations containing gold nanoparticles loaded with betulin. International Conference Of Medicinal Plants Research. Warsaw, Poland, March 26, 2018.
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