# Curriculum vitae

## Informaţii personale


| | |
|---|---|
| Nume / Prenume | **Negrea-Ghiulai Roxana Maria** |
| E-mail | roxana.ghiulai@umft.ro |
| Cetăţenia | română |


## Locul de muncă

**Profesor universitar, disciplina de Farmacologie, Fiziologie și Fiziopatologie, Facultatea de Farmacie, Departamentul II, U.M.F. „Victor Babes" Timisoara**

## Experienţa profesională

| | |
|---|---|
| Perioada | Septembrie 2024- prezent |
| Functia sau postul ocupat | Profesor universitar, catedra universtara Farmacologie, Fiziologie și Fiziopatologie, Departamentul II |
| Principalele activitati si responsabilitati | Sustinerea cursurilor si lucrarilor de laborator la disciplina de Farmacologie-Farmacoterapie pentru studentii Facultatii de Farmacie sectiile romana si franceza, Asistenta de Farmacie, Cosmetică Medicală Și Tehnologia Produsului Cosmetic; Cercetare stiintifica |
| Numele si adresa angajatorului | U.M.F. „Victor Babes" Timisoara, Facultatea de Farmacie, Pta Murgu Eftimie nr. 2, Timișoara 300041 |
| Tipul activitatii sau sectorul de activitate | Unitate de invatamant superior medico-farmaceutic |
| Perioada | Septembrie 2022- Septembrie 2024 |
| Functia sau postul ocupat | Conferentiar universitar, disciplina de Farmacologie-Farmacoterapie, Departamentul II |
| Principalele activitati si responsabilitati | Sustinerea cursurilor si lucrarilor de laborator la disciplina de Farmacologie-Farmacoterapie pentru studentii Facultatii de Farmacie sectiile romana si franceza si Asistenta de Farmacie; Cercetare stiintifica |
| Numele si adresa angajatorului | U.M.F. „Victor Babes" Timisoara, Facultatea de Farmacie, Pta Murgu Eftimie nr. 2, Timișoara 300041 |
| Tipul activitatii sau sectorul de activitate | Unitate de invatamant superior medico-farmaceutic |
| Perioada | Septembrie 2020- Sepetembrie 2022 |
| Functia sau postul ocupat | Conferentiar universitar, disciplina de Chimie Farmaceutica, Departamentul II |
| Principalele activitati si responsabilitati | Sustinerea cursurilor si lucrarilor de laborator la disciplina de Chimie Farmaceutica pentru studentii Facultatii de Farmacie sectiile romana si franceza si Asistenta de Farmacie; Cercetare stiintifica |
| Numele si adresa angajatorului | U.M.F. „Victor Babes" Timisoara, Facultatea de Farmacie, Pta Murgu Eftimie nr. 2, Timișoara 300041 |
| Tipul activitatii sau sectorul de activitate | Unitate de invatamant superior medico-farmaceutic |
| Perioada | Septembrie 2019- prezent |
| Functia sau postul ocupat | Farmacist clinician |

| | |
|---|---|
| Principalele activitati si responsabilitati | Furnizarea de servicii de farmacie clinica in cadrul spitalului |
| Numele si adresa angajatorului | Spitalul Clinic Municipal de Urgenta Timisoara, str. Hector nr.1, Timisoara, 300041 |
| Tipul activitatii sau sectorul de activitate | Sanatate |
| Perioada | Septembrie 2016- septembrie 2020 |
| Functia sau postul ocupat | Sef de lucrari, disciplina de Chimie Farmaceutica, Departamentul II |
| Principalele activitati si responsabilitati | Sustinerea cursurilor si lucrarilor de laborator la disciplina de Chimie Farmaceutica pentru studentii Facultatii de Farmacie sectiile romana si franceza si Asistenta de Farmacie; Cercetare stiintifica |
| Numele si adresa angajatorului | U.M.F. „Victor Babes" Timisoara, Facultatea de Farmacie, Pta Murgu Eftimie nr. 2, Timișoara 300041 |
| Tipul activitatii sau sectorul de activitate | Unitate de invatamant superior medico-farmaceutic |
| Perioada | Septembrie 2014 – septembrie 2016 |
| Functia sau postul ocupat | Asistent universitar, disciplina de Chimie Farmaceutica, Departamentul II |
| Principalele activitati si responsabilitati | Sustinerea lucrarilor de laborator la disciplinele de Chimie Farmaceutica si Toxicologie, sectiile romana si franceza; Activitate de cercetare stiintifica |
| Numele si adresa angajatorului | U.M.F. „Victor Babes" Timisoara, Facultatea de Farmacie, Pta Murgu Eftimie nr. 2, Timișoara 300041 |
| Tipul activitatii sau sectorul de activitate | Unitate de invatamant superior medico-farmaceutic |
| Perioada | Septembrie 2010 – Martie 2012 |
| Functia sau postul ocupat | Farmacist |
| Principalele activitati si responsabilitati | Furnizarea de servicii farmaceutice in farmacia de comunitate |
| Numele si adresa angajatorului | S.C. SIEPCOFAR S.A.- Farmaciile "Dona" Timisoara, Romania |
| Tipul activitatii sau sectorul de activitate | Sanatate; Farmacie de circuit deschis |
| Perioada | Februarie 2009 – Martie 2010 |
| Functia sau postul ocupat | Farmacist |
| Principalele activitati si responsabilitati | Furnizarea de servicii farmaceutice in farmacia de comunitate |
| Numele si adresa angajatorului | Farmacia"Cynara", str. Gh. Lazăr, Timisoara, Romania |
| Tipul activitatii sau sectorul de activitate | Sanatate; Farmacie de circuit deschis |
| Perioada | Ianuarie 2008–Decembrie 2008 |
| Funcţia sau postul ocupat | Farmacist |
| Principalele activitati si responsabilitati | Furnizarea de servicii farmaceutice in farmacia de comunitate |
| Numele şi adresa angajatorului | Farmacia „Hygeia" Str. F. Mercy Timisoara, Romania |
| Tipul activitatii sau sectorul de activitate | Sanatate; Farmacie de circuit deschis |
| Perioada | Ianuarie 2008 – Ianuarie 2011 |
| Funcţia sau postul ocupat | Farmacist rezident specialitatea Farmacie Clinică |

| | |
|---|---|
| Principalele activitati si responsabilitati | Parcurgerea curiculei si stagiilor de formare în specialitate |
| Numele şi adresa angajatorului | Spitalul Clinic Județean de Urgență Timișoara, Bulevardul Liviu Rebreanu 156, Timișoara 300723 |
| Tipul activităţii sau sectorul de ctivitate | Sanatate |

## Educaţie şi formare

| | |
|---|---|
| Perioada | Decembrie 2023 |
| Calificarea / diploma obţinută | Atestat de abilitare in domeniul de studii univertsitare de doctorat Farmacie O.M 323/ 22.01.2024 |
| Numele şi tipul instituţiei de învăţământ | Universitatea de Medicină și Farmacie „Victor Babes”, Timișoara |
| Perioada | Noiembrie 2018-Noiembrie 2022 |
| Calificarea / diploma obţinută | Diploma de Doctor in Farmacie |
| Domenii principale studiate | Cercetare farmaceutica fundamentală, analiză instrumentală si biomedicala avansata |
| Numele şi tipul instituţiei de învăţământ | Universitatea de Medicină și Farmacie „Victor Babes”, Timișoara |
| Perioada | Octombrie 2017- Iunie 2019 |
| Calificarea / diploma obţinută | Diploma de master |
| Domenii principale studiate | Biotehnologii Fitofarmaceutice |
| Numele şi tipul instituţiei de învăţământ | Universitatea De Ştiinţe Agricole Şi Medicină Veterinară A Banatului Timişoara |
| Perioada | Octombrie 2016- Iulie 2017 |
| Calificarea / diploma obţinută | Certificat de Formare Psihopedagogica |
| Domenii principale studiate | Formare psihopedagogica nivelul I si II |
| Numele şi tipul instituţiei de învăţământ | Universitatea de Vest Timişoara |
| Perioada | Iunie 2016 |
| Calificarea / diploma obţinută | Farmacist primar specialitatea Farmacie Clinică |
| Numele şi tipul instituţiei de învăţământ | Universitatea de Medicină și Farmacie „Carol Davila” , Bucuresti |
| Perioada | Noiembrie 2010- Iunie 2014 |
| Calificarea / diploma obţinută | Diploma de Doctor in Medicina |
| Domenii principale studiate | Cercetare biomedicală fundamentală, Analiză instrumentală avansata |
| Numele şi tipul instituţiei de învăţământ | Universitatea de Medicină și Farmacie „Victor Babes”, Timișoara |
| Perioada | Ianuarie 2008 – Ianuarie 2011 |
| Calificarea / diploma obţinută | Farmacist specialist specialitatea Farmacie Clinică |
| Domenii principale studiate | Curicula de formare în specialitate |
| Numele şi tipul instituţiei denvăţământ | Universitatea de Medicină și Farmacie „Victor Babes” , Timișoara |
| Perioada | Octombrie 2002 – Septembrie 2007 |
| Calificarea / diploma obţinută | Farmacist |

| | |
|---|---|
| Domenii principale studiate | Farmacologie, Chimie farmaceutica, Toxicologie, Tehnologie Farmaceutica, Biochimie, Patologie Clinica |
| Numele si tipul institutiei de nvatamant | Facultatea de Farmacie, Universitatea de Medicină și Farmacie „Victor Babes" , Timișoara |

## Aptitudini şi competenţe personale

**Limba maternă** Română

Limbi străine cunoscute: Engleza, Franceza, Germană

Autoevaluare

| Nivel european | Comprehensiune | | Vorbit | | Scris |
|---|---|---|---|---|---|
| | Abilităţi de ascultare | Abilităţi de citire | Interacţiune | Exprimare | |
| **Engleza** | Foarte Bine | Foarte Bine | Foarte Bine | FoarteBine | Foarte Bine |
| **Franceza** | Foarte Bine | Foarte Bine | Foarte Bine | Foarte Bine | Foarte Bine |
| **Germană** | Bine | Bine | Bine | Bine | Bine |

| | |
|---|---|
| Competente şi abilităţi sociale | Comunicativă, sociabilă, adaptabilă, responsabilă, atitudine pozitivă; munca în echipă, abilități de mediere, abilități interculturale |
| Competenţe şi aptitudini organizatorice | Prioritizarea activităților, dinamism, atentie la detalii |
| Competenţe şi aptitudini tehnice | Activitate în laboratorul de cercetare, prepararea medicamentelor magistrale si oficinale, analize intrumetale avansate |
| Competenţe şi cunoştinţe de utilizare a calculatorului | MS Windows (Word, Power Point, Excel) |
| Alte aptitudini si competente | Hobby-uri: calatoriile, fotografia, lectura, muzica, sportul |
| Permis de conducere | Categoria B |

## Informaţii suplimentare

**Publicații in extenso in reviste cu factor de impact**


1. Bătrîna, O*.; **Negrea-Ghiulai, R*.;** Suciu, L.; Racoviceanu, R.; Atyim, E.; Jorgovan, M.; Maksimovic, T.; Mioc, A.; Trandafirescu, C.; Șoica, C.; et al (*** equal contribution**).. Plant-Derived Compounds as Potential Sensitizers to Immunotherapy in Melanoma. *Int. J. Mol. Sci.* **2026**, *27*, 4423. https://doi.org/10.3390/ijms27104423
2. **Roxana Ghiulai** , Marius Mioc , Roxana Racoviceanu , Alexandra Prodea , Andreea Milan, Dorina Coricovac , Cristina Dehelean , Stefana Avram , Alina D. Zamfir, Cristian V. A. Munteanu ,Viviana Ivan Codruta Soica. Structural Investigation of Betulinic Acid Plasma Metabolites by Tandem Mass Spectrometry. Molecules 2022, 27, 7359. https://doi.org/10.3390/molecules27217359.
3. **Roxana Ghiulai**, Alexandra Mioc, Roxana Racoviceanu, Marius Mioc, Andreea Milan, Alexandra Prodea, Alexandra Semenescu, Cristina Dehelean , Lucian Barbu Tudoran, Ștefana Avram, Cristina Trandafirescu, Codruța Șoica. The Anti-Melanoma Effect of Betulinic Acid Functionalized Gold Nanoparticles: A Mechanistic In Vitro Approach. *Pharmaceuticals* 2022, *15*, 1362. https://doi.org/10.3390/ph15111362
4. Daliana Minda*, **Roxana Ghiulai***, Christian Dragos Banciu, Ioana Zinuca Pavel, Corina Danciu, Roxana Racoviceanu, Codruta Soica, Oana Daniela Budu, Delia Muntean, Zorita Diaconeasa, Cristina Adriana Dehelean, Stefana Avram (*equal contribution). Phytochemical Profile, Antioxidant and Wound Healing Potential of Three Artemisia Species: In Vitro and In Ovo Evaluation. Appl. Sci. 2022, 12, 1359. https://doi.org/10.3390/app12031359
5. Codruta Soica, Mirela Voicu, **Roxana Ghiulai***, Cristina Dehelean, Roxana Racoviceanu, Cristina Trandafirescu, Oana-Janina Rosca, Gabriela Nistor, Marius Mioc, Alexandra Mioc (*corresponding author). Natural Compounds in Sex Hormone-Dependent Cancers: The Role of Triterpenes as Therapeutic Agents. Front. Endocrinol. 2021 11:612396. doi: 10.3389/fendo.2020.612396
6. Florin Borcan, Adél, Cristina A. Dehelean, Zoltán Dudás**, Roxana Ghiulai* ,**Andrada Iftode, Roxana Racoviceanu, Codruta M. Soica (*corresponding author). Design and Assessment of a Polyurethane Carrier Used for the Transmembrane Transfer of Acyclovir. Nanomaterials 2021, 11, 51. https://dx.doi.org/10.3390/nano11010051

7. Roxana Racoviceanu, Cristina Trandafirescu, Mirela Voicu, **Roxana Ghiulai** *, Florin Borcan, Cristina Dehelean, Claudia Watz, Zoltán Aigner, Rita Ambrus, Dorina Elena Coricovac, Denisa Cîrcioban, Alexandra Mioc, Camelia Alexandrina Szuhanek, Codruta Soica (*corresponding author). Solid Polymeric Nanoparticles of Albendazole: Synthesis, Physico-Chemical Characterization and Biological Activity. Molecules 2020, 25, 5130; doi:10.3390/molecules25215130
8. **Roxana Ghiulai**, Oana Janina Rosca, Diana Simona Antal, Marius Mioc, Alexandra Mioc, Roxana Racoviceanu, Ioana Macasoi, Tudor Olariu, Cristina Dehelean, Octavian Marius Cretu, Mirela Voicu, Codruta Soica. Tetracyclic and Pentacyclic Triterpenes with High Therapeutic Efficiency in Wound Healing Approaches. Molecules 2020, 25, 5557; doi:10.3390/molecules25235557
9. **Roxana Ghiulai**, Stefana Avram, Dana Stoian, Ioana Zinuca Pavel, Dorina Coricovac, Camelia Oprean, Laurian Vlase, Claudia Farcas, Marius Mioc, Daliana Minda, Andrei Motoc, Camelia Szuhanek, Corina Danciu, Codruta Soica, Laurentiu Sima. Lemon Balm Extracts Prevent Breast Cancer Progression *In Vitro* and *In Ovo* on Chorioallantoic Membrane Assay. *Evidence-Based Complementary and Alternative Medicine 2020*, Article ID 6489159, 17 pages. https://doi.org/10.1155/2020/6489159
10. 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 Farcas, Roxana Marcela Racoviceanu, Corina Danciu, Cristina-Adriana Dehelean, Codruta Soica (* equal contribution). Cocrystal Formation of Betulinic Acid and Ascorbic Acid: Synthesis, Physico-Chemical Assessment, Antioxidant and Antiproliferative Activity. *Front. Chem. 2019* 7:92. doi: 10.3389/fchem.2019.00092;
11. Alexandra Mioc, Marius Mioc, **Roxana Ghiulai***, Mirela Voicu, Roxana Racoviceanu, Cristina Trandafirescu, Cristina Dehelean, Dorina Coricovac, Codruta Soica (*corresponding author). Gold Nanoparticles as Targeted Delivery Systems and Theranostic Agents in Cancer Therapy. *Current Medicinal Chemistry, 2019*, *26,* 1-20;
12. Marius Mioc, Sorin Avram, Vasile Bercean, Ludovic Kurunczi**, Roxana M. Ghiulai***, Camelia Oprean, Dorina E. Coricovac, Cristina Dehelean, Alexandra Mioc, Mihaela Balan-Porcarasu, Calin Tatu and Codruta Soica (*corresponding author). 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* 6:373. doi: 6.3389/fchem.2018.00373;
13. Ioana Macasoi, Marius Mioc, Delia Berceanu Vaduva, **Roxana Ghiulai***, Alexandra Mioc, Codruta Soica, Danina Muntean, Victor Dumitrascu (*corresponding author). In silico Evaluation of the Antiproliferative Mithocondrial Targeted Mechanism of Action of Some Pentacyclic Triterpene Derivatives. *REV.CHIM. 2018* 69(12) 3361-3363;
14. Corina Danciu, Cosmin Citu, Istvan Zupko, **Roxana Ghiulai***, Petru Matusz, Ioana Zinuca Pavel, Alexandra Popescu, Iulia Pinzaru,Georgeta Simu, Vlad C. Daliborca (*corresponding author). *In vitro* antiproliferative activity of flavonols: fisetin, quercetin and kaempferol and their cyclodextrin complexes. *FARMACIA, 2015*, Vol. 63, 6: 858-864;
15. **Ghiulai RM**, Sarbu M, Vukelić Ž, Ilie C, Zamfir AD. Early stage fetal neocortex exhibits a complex ganglioside profile as revealed by high resolution tandem mass spectrometry. *Glycoconj. J. 2014*; 31:231–245;
16. Sarbu M*, **Ghiulai RM***, Zamfir AD (*equal contribution). Recent developments and applications of electron transfer dissociation mass spectrometry in proteomics. *Amino Acids 2014*; 46:1625-1634;
17. **Ghiulai RM**, Galusca M, Sisu I, Sisu E, Zamfir AD. High resolution mass spectrometric characterisation of amino linked oligosaccharides – a preliminary study. *Cent. Eur. J. Chem. 2013*; 11(8):1309-1319;
18. Atyim, E.; Atyim, L.; Mioc, M.; Mioc, A.; Șoica, C.; Gheorghe, D.R.; Negrea-Ghiulai, R.; Paşcalău, N.A. Structure-Based Computational Evaluation of Betulinic Acid-Derived Hybrids as Potential Bcl-2/Bcl-XL Modulators. *Processes* **2026**, *14*, 1707. https://doi.org/10.3390/pr14111707
19. Marius Mioc, Alexandra Mioc, Roxana Racoviceanu, Roxana Ghiulai, Alexandra Prodea, Andreea Milan, Lucian Barbu Tudoran, Camelia Oprean, Viviana Ivan, Codruta Soica. The Antimelanoma Biological Assessment of Triterpenic Acid Functionalized Gold Nanoparticles. Molecules 2023, 28, 421. https:// doi.org/10.3390/molecules28010421.
20. Nistor, G.; Mioc, A.; Mioc, M.; Balan-Porcarasu, M.; Ghiulai, R.; Racoviceanu, R.; Avram, S, .; Prodea, A.; Semenescu, A.; Milan, A.; et al. Novel Semisynthetic Betulinic Acid−Triazole Hybrids with In Vitro Antiproliferative Potential. Processes 2023, 11, 101. https://doi.org/10.3390/pr11010101
21. Nistor, G.; Mioc, M.; Mioc, A.; Balan-Porcarasu, M.; Racoviceanu, R.; Prodea, A.; Milan, A.; Ghiulai, R.; Semenescu, A.; Dehelean, C.; et al. The C30-Modulation of Betulinic Acid Using

1,2,4-Triazole: A Promising Strategy for Increasing Its Antimelanoma Cytotoxic Potential. Molecules 2022, 27, 7807. https://doi.org/10.3390/molecules27227807
22. Gabriela Nistor, Cristina Trandafirescu, Alexandra Prodea, Andreea Milan, Andreea Cristea, Roxana Ghiulai, Roxana Racoviceanu, Alexandra Mioc, Marius Mioc, Viviana Ivan, Codruta Soica. Semisynthetic Derivatives of Pentacyclic Triterpenes Bearing Heterocyclic Moieties with Therapeutic Potential. Molecules 2022, 27, 6552. https://doi.org/10.3390/molecules27196552
23. Marius Mioc. Alexandra Mioc, Alexandra Prodea, Andreea Milan, Mihaela Balan-Porcarasu, Roxana Racoviceanu, Roxana Ghiulai, Gheorghe Iovanescu, Ioana Macasoi, George Draghici, Cristina Dehelean, Codruta Soica. Novel Triterpenic Acid—Benzotriazole Esters Act as Pro-Apoptotic Antimelanoma Agents. Int. J. Mol. Sci. 2022, 23, 9992. https://doi.org/10.3390/ijms23179992
24. Marius Mioc, Alexandra Prodea, Roxana Racoviceanu, Alexandra Mioc, Roxana Ghiulai, Andreea Milan, Mirela Voicu, Gabriel Mardale, Codruta Soica. Recent Advances Regarding the Molecular Mechanisms of Triterpenic Acids: A Review (Part II). Int. J. Mol. Sci. 2022, 23, 8896. https://doi.org/10.3390/ijms23168896
25. Marius Mioc, Andreea Milan, Daniel Malita, Alexandra Mioc, Alexandra Prodea, Roxana Racoviceanu, Roxana Ghiulai, Andreea Cristea , Florina Căruntu, Codruta Soica. Recent Advances Regarding the Molecular Mechanisms of Triterpenic Acids: A Review (Part I). Int. J. Mol. Sci. 2022, 23, 7740. https://doi.org/ 10.3390/ijms23147740
26. Prodea, A.; Mioc, A.;Banciu, C.; Trandafirescu, C.; Milan,A.; Racoviceanu, R.; Ghiulai, .; Mioc,M.; Soica, C. The Role of Cyclodextrins in the Design and Development of Triterpene-Based Therapeutic Agents. Int. J. Mol. Sci.2022, 23, 736. https://doi.org/10.3390/ijms23020736
27. Milan, A.; Mioc, A.; Prodea,A.; Mioc, M.; Buzatu, R.; Ghiulai, R.;Racoviceanu, R.; Caruntu, F.; ¸Soica, C.The Optimized Delivery of Triterpenes by Liposomal Nanoformulations: Overcoming the Challenges. Int. J. Mol. Sci. 2022, 23,1140. https://doi.org/10.3390/ijms23031140
28. Simona Sipos, Elena-Alina Moaca, Ioana Zinuca Pavel, Stefana Avram, Octavian Marius Cretu, Dorina Coricovac, Roxana-Marcela Racoviceanu, Roxana Ghiulai, Ramona Daniela Pana, Codruta Marinela Soica, Florin Borcan, Cristina Adriana Dehelean, Zorin Crainiceanu. Melissa officinalis L. Aqueous Extract Exerts Antioxidant and Antiangiogenic Effects and Improves Physiological Skin Parameters. Molecules 2021, 26, 2369. https://doi.org/10.3390/molecules26082369
29. Delia Dumbrava, Liviana Alexandra Popescu, Codruta Marinela Soica, Alma Nicolin, Ileana Cocan, Monica Negrea, Ersilia Alexa, Diana Obistioiu, Isidora Radulov, Sofia Popescu, Claudia Watz, Roxana Ghiulai, Alexandra Mioc, Camelia Szuhanek, Cosmin Sinescu, Cristina Dehelean. Nutritional, Antioxidant, Antimicrobial, and Toxicological Profile of Two Innovative Types of Vegan, Sugar-Free Chocolate.Foods 2020, 9, 1844; doi:10.3390/foods9121844
30. Claudia Geanina Farcas, Cristina Dehelean., Iulia Andreea Pinzaru, Marius Mioc, Vlad Socoliuc, Elena-Alina Moaca, Stefana Avram, Roxana Ghiulai, Dorina Coricovac, Ioana Pavel, Praveen Kumar Alla, Octavian Marius Cretu, Codruta Soica, Felicia Loghin. Thermosensitive Betulinic Acid-Loaded Magnetoliposomes: A Promising Antitumor Potential for Highly Aggressive Human Breast Adenocarcinoma Cells Under Hyperthermic Conditions. International Journal of Nanomedicine 2020:15 8175–8200
31. Elena-Alina Moaca, Ioana Zinuca Pavel, Corina Danciu, Zorin Crainiceanu, Daliana Minda, Florina Ardelean, Diana Simona Antal, Roxana Ghiulai, Andreea Cioca, Mihnea Derban, Sebastian Simu, Raul Chioibas, Camelia Szuhanek, Cristina-Adriana Dehelean.Romanian Wormwood (Artemisia absinthium L.): Physicochemical and Nutraceutical Screening. Molecules 2019, 24, 3087; doi:10.3390/molecules24173087
32. Delia Muntean, Monica Licker, Ersilia Alexa, Iuliana Popescu, Calin Jianu, Valentina Buda, Cristina Adriana Dehelean, Roxana Ghiulai, Florin Horhat, Delia Horhat, Corina Danciu. Evaluation of essential oil obtained from Mentha×piperita L. against multidrug-resistant strains. Infection and Drug Resistance 2019, 12, 2905–2914, Dovepress
33. Corina Danciu, Codruța Şoica, Diana Antal, Ersilia Alexa, Ioana Z. Pavel, Roxana Ghiulai, Florina Ardelean, Roxana M. Băbuță, Alexandra Popescu and Cristina A. Dehelean. Natural Compounds in the Chemoprevention of Malignant Melanoma. Anti-Cancer Agents in Medicinal Chemistry, 2018, 18, 1-14
34. Corina Danciu, Ștefana Avram, Ioana Zinuca Pavel, Roxana Ghiulai, Cristina Adriana Dehelean, Ersilia Alexa, Daliana Minda, Cristina Petrescu, Elena-Alina Moacă and Codruța Șoica. Main Isoflavones Found in Dietary Sources as Natural Anti-inflammatory Agents. Current Drug Targets, 2018, 19, 841-853
35. Corina Danciu, Iulia Andreea Pinzaru, Cristina Adriana Dehelean, Monica Hancianu, Istvan Zupko, Dan Navolan, Monica Licker, Roxana Maria Ghiulai, Codruța Marinela Şoica.

Antiproliferative and antimicrobial properties of pure and encapsulated rutin. Farmacia, 2018, Vol. 66, 2

36. Marius Mioc, Ioana Zinuca Pavel, Roxana Ghiulai, Dorina E. Coricovac, Claudia Farcas, Ciprian-Valentin Mihali, Camelia Oprean, Vlad Serafim, Ramona A. Popovici, Cristina A. Dehelean, Michael I. Shtilman, Aristidis M. Tsatsakis and Codruta Soica. The Cytotoxic Effects of Betulin-Conjugated Gold Nanoparticles as Stable Formulations in Normal and Melanoma Cells. Front. Pharmacol. 2018, 9:429
37. Marius Mioc, Codruta Soica, Vasile Bercean, Sorin Avram, Mihaela Balan-Porcarasu, Dorina Coricovac, Roxana Ghiulai, Delia Muntean, Florina Andrica, Cristina Dehelean, Demetrios A. Spandidos, Aristides M. Tsatsakis and Ludovic Kurunczi. Design, synthesis and pharmaco-toxicological assessment of 5-mercapto-1,2,4-triazole derivatives with antibacterial and antiproliferative activity. International Journal Of Oncology 2017 50: 1175-1183,
38. Stefana Avram, Dorina Elena Coricovac, Ioana Zinuca Pavel, Iulia Pinzaru, Roxana Ghiulai, Flavia Baderca, Codruta Soica, Danina Muntean, Daciana E. Branisteanu, Demetrios A. Spandidos, Aristides M.Tsatsakis And Cristina Adriana Dehelean. Standardization of A375 human melanoma models on chicken embryo chorioallantoic membrane and Balb/c nude mice. Oncology Reports 2017 38: 89-99
39. Sarbu M, Robu A, Ghiulai RM., Vukelić Ž, Clemmer DE, Zamfir AD. Electrospray Ionization Ion Mobility Mass Spectrometry of Human Brain Gangliosides.Analytical Chemistry 2016 88 (10), 5166-5178. DOI: 10.1021/acs.analchem.6b00155
40. Cosmin Citu, Corina Danciu, Iulia Pinzaru, Roxana Ghiulai, Lavinia Vlaia, Vicentiu Vlaia, Florin Borcan, Catalin Dumitru, Ioana Zinuca Pavel, Ioan Sas, Elena Bernad. Genistein and its Fatty Acid Esters as New In vitro Antitumor Compounds. REV. CHIM. (Bucharest) 2015; 66 (8):1100-1104;
41. Iulia Pinzaru, Cristina Trandafirescu, Zoltan Szabadai, Marius Mioc, Ionut Ledeti, Dorina Coricovac, Sorina Ciurlea, Roxana Maria Ghiulai, Zorin Crainiceanu, Georgeta Simu. Synthesis and biological evaluation of some pentacyclic lupane triterpenoid esters. REV. CHIM. BUCHAREST 2014; 65 (7):848-851
42. Mosoarca C, **Ghiulai RM**, Novaconi CR, Vukelic´ Z, Chiriac A, Zamfir AD. Application of Chip-Based Nanoelectrospray Ion Trap Mass Spectrometry to compositional and structural analysis of gangliosides in human fetal cerebellum. ***Anal. Lett. 2011***; 44:1036–1049; **Impact Factor= 1.016**
43. Prodea, A.; Milan, A.; Mioc, M.; Mioc, A.; Oprean, C.; Racoviceanu, R.; Negrea-Ghiulai, R.; Mardale, G.; Avram, Ș.; Balan-Porcărașu, M.; et al. Novel Betulin-1,2,4-Triazole Derivatives Promote In Vitro Dose-Dependent Anticancer Cytotoxicity. *Processes* **2024**, *12*, 24. https://doi.org/10.3390/pr12010024
44. Rotunjanu, S.; Racoviceanu, R.; Mioc, A.; Milan, A.; Negrea-Ghiulai, R.; Mioc, M.; Marangoci, N.L.; Şoica, C. Newly Synthesized $CoFe_{2-x}Dy_xO_4$ (x = 0; 0.1; 0.2; 0.4) Nanoparticles Reveal Promising Anticancer Activity against Melanoma (A375) and Breast Cancer (MCF-7) Cells. *Int. J. Mol. Sci.* **2023**, *24*, 15733. https://doi.org/10.3390/ijms242115733
45. Roșca, O.-J.; Coneac, G.-H.; Racoviceanu, R.; Nistor, A.; Olariu, I.-V.; Cotan, A.-M**.; Negrea-Ghiulai, R**.; Dehelean, C.A.; Vlaia, L.L.; Șoica, C.M. Optimizing Burn Wound Healing: The Critical Role of pH and Rheological Behavior in Plant-Derived Topical Formulations. Pharmaceutics 2025, 17, 853. https://doi.org/10.3390/pharmaceutics17070853
46. Rotunjanu, S.; Racoviceanu, R.; Gogulescu, A.; Mioc, A.; Milan, A.; Marangoci, N.L.; Dascălu, A.-I.; Mioc, M.; **Negrea-Ghiulai, R**.; Trandafirescu, C.; et al. Newly Synthesized CoFe2−yPryO4 (y = 0; 0.01; 0.03; 0.05; 0.1; 0.15; 0.2) Nanoparticles Reveal Promising Selective Anticancer Activity Against Melanoma (A375), Breast Cancer (MCF-7), and Colon Cancer (HT-29) Cells. Nanomaterials 2025, 15, 829. https://doi.org/10.3390/nano15110829
47. Roșca, O.-J.; Mioc, A.; Deveseleanu-Corici, L.-N.; Racoviceanu, R.; Negrea-Ghiulai, R.; Dehelean, C.A.; Alexa, E.; Cseh, L.; Soica, C. Chemical Class–Driven Polyphenolic Profiles Shape In Vitro Regenerative Activity of Four Medicinal Plants Relevant to Burn Wound Healing. *Pharmaceuticals* **2026**, *19*, 245. https://doi.org/10.3390/ph19020245
48. Mardale, G., Dumitrașcu, V., Pop, R., Dumitru, C., Muntean, D., Mioc, M., Mioc, A., Mara, B.-I., Balan-Porcarasu, M., Budu, O., **Negrea-Ghiulai, R**., & Șoica, C. (2026). In Vitro and In Silico Evaluation of the Antitumor Potential of New Benzotriazole–1,2,4-Triazole Hybrids. Pharmaceuticals, 19(10), 1591. https://doi.org/10.3390/ph19101591
49. Goldiș, C.; Racoviceanu, R.; Jorgovan, M.; **Negrea-Ghiulai, R**.; Șoica, C.; Prodea, A.; Bătrîna, O.; Antal, G.; Mioc, A. Phytochemical Study and Cytotoxic Properties

of Hydroalcoholic Extracts of Epilobium parviflorum Schreb.: In Silico and In Vitro Insights. Sci. Pharm. 2026, 94, 71. https://doi.org/10.3390/scipharm94030071

50. Goldiș C, Racoviceanu R, **Negrea-Ghiulai R**, Mioc A, Prodea A, Atyim E, Maksimovic T, Lukinich-Gruia AT, Pricop MA, Șoica C. Maceration, Soxhlet Extraction, and Steam Hydrodistillation of Anethum graveolens Seeds: Phytochemical Profiles and Cytotoxic Effects. Molecules. 2026 Sep 20;31(18):3337. doi: 10.3390/molecules31183337. PMID: 42796620; PMCID: PMC13609506.

**Publicații in extenso in reviste indexate ISI fara factor de impact/ BDI**

1. Florin Borcan, Marius Mioc, Roxana Ghiulai*, Iulia Pinzaru, Cristina Adriana Dehelean, Codruta Marinela Soica (*corresponding author). A Study on the Behavior of a Polyurethane Drug Carrier in Various pH Media. *Journal of Medicine and Life Vol. 13, Issue 2, April-June 2020,* pp. 195–199. DOI: 10.25122/jml-2020-0010
2. Roxana Racoviceanu, Claudia Farcaș, Roxana Ghiulai*, Sima Laurentiu Vasile, Cristina Trandafirescu, Diana Antal, Marius Mioc, Cristina Dehelean, Codruta Soica (*corresponding author). Hydro-alcoholic extracts of roots and sprouts of *Armoracia rusticana:* assessment of antioxidant and cytotoxic activity. *Rev. Chim., 71 (5), 2020, 201-210 doi.org/10.37358/Rev. Chim.1949 No impact factor in 2020*
3. Alexandra Ulici, Andreea Milan, Marius Mioc , Roxana Ghiulai, Roxana Racoviceanu Codruța Șoica. Ring-Modified Triterpene Derivatives as Potential Pharmacological Active Compounds. *Timisoara Med.* 2020, *2020*(2), 7; doi:10.35995/tmj20200207 *http://www*
4. Ghiulai RM, Sarbu M, Ilie C, Zamfir AD. A straightforward electrospray ionization high resolution mass spectrometry method for underivatized long chain polysaccharides. *Open Chem., 2015*; 13: 32–41; *No impact factor in 2015*

**Lucrari stiintifice in rezumat publicate si prezentate la conferinte nationale si internationale**

1. **Roxana Negrea-Ghiulai,** Marius Mioc, Alexandra Mioc, Ștefana Avram, Andreea-Maria Munteanu, Bogdan-Ionuț Mara, Gabriel-Ionel Mardale, Codruța Șoica. **Anti-melanoma activity of betulinic acid gold nanoparticles on RPMI-7951 cell lines.** Congresul Național de Farmacie Ediția a XX-a, FARMACIA ÎN CONTEXTUL SCHIMBĂRILOR GLOBALE: PROVOCĂRI ȘI OPORTUNITĂȚI, Târgu Mureș 24-26 Septembrie 2025, ISBN 978-973-169-929-5
2. Marius Mioc, Alexandra Mioc**, Roxana Negrea-Ghiulai**, Roxana Racoviceanu, Andreea Milan, Alexandra Prodea, Codruța Șoica**. Five years of triterpene scaffold derivatization: lessons learned and future directions.** Congresul Național de Farmacie Ediția a XX-a, FARMACIA ÎN CONTEXTUL SCHIMBĂRILOR GLOBALE: PROVOCĂRI ȘI OPORTUNITĂȚI, Târgu Mureș 24-26 Septembrie 2025, ISBN 978-973-169-929-5
3. Roxana Negrea-Ghiulai, Marius Mioc, Stefana Avram, Alexandra Prodea, Andreea Milan, Roxana Racovicenu, Dorina Coricovac, Alexandra Mioc, Codruta Soica. Phase II *in vivo* metabolites of betulic acid. Congresul Național de Farmacie Ediția a XIX-a, FARMACIA AZI: DE LA TRADIȚIE LA INTERDISCIPLINARITATE ȘI INTELIGENȚĂ ARTIFICIALĂ, 27-29 Septembrie 2023, ISBN 978-606-075-203-5
4. Marius Mioc, Gabriela Nistor. Roxana Negrea-Ghiulai, Roxana Racoviceanu, Alexandra Prodea, Andreea Milan, Alexandra Mioc, Cristina Trandafirescu, Mihaela Balan-Porcarasu, Codruța Șoica. The antimelanoma cytotoxic potential of triazole bearing triterpenic acid derivatives. Congresul Național de Farmacie Ediția a XIX-a, FARMACIA AZI: DE LA TRADIȚIE LA INTERDISCIPLINARITATE ȘI INTELIGENȚĂ ARTIFICIALĂ, 27-29 Septembrie 2023, ISBN 978-606-075-203-5
5. Roxana Racoviceanu, Roxana Negrea-Ghiulai, Alexandra Mioc, Marius Mioc, Slavita Rotunjanu, Alexandra Prodea, Andreea Milan, Cristina Trandafirescu, Codruța Șoica. Synthesis, characterisation and cytotoxic evaluation of CoFe2-xDyxO4 complexes with ɣ-cyclodextrin. Congresul Național de Farmacie Ediția a XIX-a, FARMACIA AZI: DE LA TRADIȚIE LA INTERDISCIPLINARITATE ȘI INTELIGENȚĂ ARTIFICIALĂ, 27-29 Septembrie 2023, ISBN 978-606-075-203-5
6. Ștefana Avram, Corina Danciu, Daliana Minda, Ioana Zinuca Magyari-Pavel, Larisa Bora, Roxana Negrea-Ghiulai, Cristina Dehelean, Codruța Șoica. Angiogenesis and biocompatibility assessment of medicinal plants and natural compounds: an in ovo approach. Congresul Național de Farmacie Ediția a XIX-a, FARMACIA AZI: DE LA

TRADIȚIE LA INTERDISCIPLINARITATE ȘI INTELIGENȚĂ ARTIFICIALĂ, 27-29 Septembrie 2023, ISBN 978-606-075-203-5

7. Ghiulai R., Avram Ș.; Mioc M., Racoviceanu R., Șoica C., Melissa officinalis L herba- profil fitochimic, Congresul Național de Farmacie Ediția a XVIII-a, FARMACIA: DE LA INOVARE LA BUNĂ PRACTICĂ FARMACEUTICĂ, 15-17 Septembrie 2021, I-SBN 978-606-10-2144-4
8. Racoviceanu R., Mioc M., Ghiulai R., Ulici A., Milan A., Șoica C., Sinteza și caracterizarea nanoparticulelor de magnetită dopată cu cobalt destinate utilizării în hipertermie, Congresul Național de Farmacie Ediția a XVIII-a, FARMACIA: DE LA INOVARE LA BUNĂ PRACTICĂ FARMACEUTICĂ, 15-17 Septembrie 2021, I-SBN 978-606-10-2144-4
9. Mioc M., Ghiulai R., Racoviceanu R., Prodea A., Milan A., Șoica C., Sinteza și caracterizarea unui nou derivat amidic de acid betulinic cu amino-triazol, cu potențial efect antiproliferativ, Congresul Național de Farmacie Ediția a XVIII-a, FARMACIA: DE LA INOVARE LA BUNĂ PRACTICĂ FARMACEUTICĂ, 15-17 Septembrie 2021, I-SBN 978-606-10-2144-4
10. Stefana Avram, Ioana Zinuca Pavel, Daliana Minda, Zorița Diaconeasa, Brigitta Kis, Roxana Ghiulai, Dorina Coricovac, Iulia Pinzaru, Cristina Dehelean, Corina Danciu. Dietary by-product grape seeds extract: high content in catechins and proanthocyanidins with angiogenic modulator effects. Plante medicinale între natură și sănătate. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2021-0498"Dezvoltarea bazei de practică în domeniul plantelor medicinale a Universității de Medicinăși Farmacie " Victor Babeș" Timișoara, Editura Victor Babes, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 14-15
11. Stefana Avram, Ioana Zinuca Pavel, Daliana Minda, Adelina Lombrea, Roxana Ghiulai, Roxana Racoviceanu, Dorina Coricovac, Iulia Pinzaru, Cristina Dehelean, Codruta Soica, Corina Danciu. Effects *of Rosmarinus officinalis* ethanolic extract in HET-CAM and tumor CAM assay. Plante medicinale între natură și sănătate. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2021-0498 "Dezvoltarea bazei de practică în domeniul plantelor medicinale a Universității de Medicinăși Farmacie " Victor Babeș" Timișoara, Editura Victor Babes, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 21
12. Daliana Minda, Ioana Zinuca Pavel, Corina Danciu, Roxana Ghiulai, Ioana Macasoi, Dorina Coricovac, Iulia Pinzaru, Alina-Elena Moaca, Codruta Soica, Cristina Dehelean, Stefana Avram. Sweet wormwood phytochemical analysis and bioactive effects on CAM assay. Plante medicinale între natură și sănătate. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2021-0498 "Dezvoltarea bazei de practică în domeniul plantelor medicinale a Universității de Medicinăși Farmacie " Victor Babeș" Timișoara, Editura Victor Babes, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 27-28
13. Andreea Milan, Alexandra Ulici, Marius Mioc, Roxana Racoviceanu, Roxana Ghiulai, Șoica Codruța. The determination of anti-cancer and antioxidant activity of *Melissa officinalis L*. Plante medicinale între natură și sănătate. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2021-0498 "Dezvoltarea bazei de practică în domeniul plantelor medicinale a Universității de Medicinăși Farmacie " Victor Babeș" Timișoara, Editura Victor Babes, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 39
14. Alexandra Prodea, Andreea Milan, Roxana Racoviceanu, Roxana Ghiulai, Marius Mioc, Codruța Șoica. Potential cytotoxic activity of an ethanolic extract of *Salvia officinalis.* Plante medicinale între natură și sănătate. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2021-0498 "Dezvoltarea bazei de practică în domeniul plantelor medicinale a Universității de Medicinăși Farmacie " Victor Babeș" Timișoara, Editura Victor Babes, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 40
15. Roxana Racoviceanu, Roxana Ghiulai, Alexandra Prodea, Andreea Milan, Marius Mioc, Codruța Șoica. Evaluation of *Boswellia Serrata* hydro-alcoholic extracts. Plante medicinale între natură și sănătate. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2021-0498 "Dezvoltarea bazei de practică în domeniul plantelor medicinale a Universității de Medicinăși Farmacie " Victor Babeș" Timișoara, Editura Victor Babes, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 41
16. Roxana Ghiulai, Marius Mioc, Roxana Racoviceanu, Cristina Trandafirescu, Alexandra Ulici, Andreea Milan, Codruta Soica. Screening of pentacyclic triterpenes from Birch sap. Aplicaţii ale metodelor experimentale în analiza produselor cosmetice cu principii active : volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393 "Centru de dezvoltare profesională în domeniul produselor dermato-cosmetice pe bază de plante medicinale", Editura Victor Babes, 2020, ISBN 978-606-786-156-3, CNCSIS: 324; pag 28-29
17. Elena-Alina Moacă, Ioana Zinuca Pavel, Ştefana Avram, Dorina Coricovac, Roxana-Marcela Racoviceanu, Roxana Ghiulai, Ramona Daniela Pană, Codruţa Marinela Şoica, Florin Borcan, Octavian Marius Cretu, Cristina Adriana Dehelean. Assessment of lemon

balm leaf aqueous extract. Physicochemical screening, biological effects and bioactivity on mice skin. Aplicaţii ale metodelor experimentale în analiza produselor cosmetice cu principii active: volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393 "Centru de dezvoltare profesională în domeniul produselor dermato-cosmetice pe bază de plante medicinale", Editura Victor Babes, 2020, ISBN 978-606-786-156-3, CNCSIS: 324; pag 32-33

18. Andreea Silvia Paducel, Ioana Zinuca Pavel, Daliana Minda, Ioana Macasoi, Iulia Pinzaru, Alina Moaca, Roxana Ghiulai, Codruta Soica, Cristina Dehelean, Corina Danciu, Stefana Avram. Sweet basil extracts with antioxidant potential show *in vivo* anti- irritative and wound healing effects. Aplicaţii ale metodelor experimentale în analiza produselor cosmetice cu principii active : volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393 "Centru de dezvoltare profesională în domeniul produselor dermato-cosmetice pe bază de plante medicinale", Editura Victor Babes, 2020, ISBN 978-606-786-156-3, CNCSIS: 324; pag 42-43
19. Alexandra Ulici, Andreea Milan, Roxana Raicoviceanu, Roxana Ghiulai, Marius Mioc, Codruța Șoica. A-ring modified triterpene inclusion complex with hydroxypropyl gamma-cyclodextrin. Aplicaţii ale metodelor experimentale în analiza produselor cosmetice cu principii active: volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393 "Centru de dezvoltare profesională în domeniul produselor dermato-cosmetice pe bază de plante medicinale", Editura Victor Babes, 2020, ISBN 978-606-786-156-3, CNCSIS: 324; pag 44
20. Marius Mioc, Alexandra Ulici, Andreea Milan, Roxana Racoviceanu, Roxana Ghiulai, Codruța Șoica. Synthesis and preliminary characterization of betulinic acid-1,2,4-triazol amide derivative. Aplicaţii ale metodelor experimentale în analiza produselor cosmetice cu principii active : volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393 "Centru de dezvoltare profesională în domeniul produselor dermato-cosmetice pe bază de plante medicinale", Editura Victor Babes, 2020, ISBN 978-606-786-156-3, CNCSIS: 324; pag 45-46
21. Andreea Milan, Alexandra Ulici, Marius Mioc, Roxana Ghiulai, Roxana Racoviceanu, Codruţa Şoica. Pentacyclic triterpene derivatives synthesis, suitable for cyclodextrin inclusion complex formulation. Aplicaţii ale metodelor experimentale în analiza produselor cosmetice cu principii active : volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393 "Centru de dezvoltare profesională în domeniul produselor dermato-cosmetice pe bază de plante medicinale", Editura Victor Babes, 2020, ISBN 978-606-786-156-3, CNCSIS: 324; pag 47-48
22. Roxana Ghiulai, Stefana Avram, Laurian Vlase, Marius Mioc, Dorina Coricovac, Cristina Dehelean, Codruta Soica. Identification and quantification of betulinic acid from cosmetic formulations. Volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393, Produsele dermo-cosmetice ca formulare. Testarea siguranţei produselor cosmetice, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 11-12
23. Stefana Avram, Corina Danciu, Ioana Zinuca Pavel, Daliana Minda, Roxana Ghiulai, Ioana Macasoi, Dorina Coricovac, Iulia Pinzaru, Codruta Soica, Cristina Dehelean. Traditional antiallergic remedies targeting angiogenesis in atopic dermatitis. Volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393, Produsele dermo-cosmetice ca formulare. Testarea siguranţei produselor cosmetice, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 13-14
24. Roxana Ghiulai, Stefana Avram, Laurian Vlase, Marius Mioc, Dorina Coricovac, Iulia Pinzaru, Cristina Dehelean, Codruta Soica. Screening of pentaciclic triterpenoids from cosmetic products containg Lemon Balm extracts by LC-MS method. Volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393, Produsele dermo-cosmetice ca formulare. Testarea siguranţei produselor cosmetice, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 19-20
25. Gabriela Nistor, Marius Mioc, Roxana Ghiulai, Roxana Racoviceanu, Codruța Șoica. Synthesis and cytotoxic evaluation of a betulinic acid (bis)-amino-polyethyleneglycole derivative, on HaCaT cells. Volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393, Produsele dermo-cosmetice ca formulare. Testarea siguranţei produselor cosmetice, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 29
26. Marius Mioc, Roxana Ghiulai, Roxana Racoviceanu, Gabriela Nistor, Codruța Șoica. Synthesis and cytotoxic evaluation of a novel betulin-1,2,4-triazole derivative, on HaCaT cells. Volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393, Produsele dermo-cosmetice ca formulare. Testarea siguranţei produselor cosmetice, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 30-31

27. Gabriela Nistor, Marius Mioc, Roxana Ghiulai, Roxana Racoviceanu, Codruța Șoica. Synthesis and cytotoxic evaluation of a ursolic acid (bis)-amino-polyethyleneglycole derivative, on HaCaT cells. Volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393, Produsele dermo-cosmetice ca formulare. Testarea siguranţei produselor cosmetice, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 34-35
28. Marius Mioc, Roxana Ghiulai, Roxana Racoviceanu, Gabriela Nistor, Codruța Șoica. Biological cytotoxic evaluation of a novel betulin- 5-R-3-mercapto-1,2,4-triazole bioconjugate.Volum de rezumate editat în cadrul manifestărilor ştiinţifice derulate în baza proiectului CNFIS-FDI-2019-0393, Produsele dermo-cosmetice ca formulare. Testarea siguranţei produselor cosmetice, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 36-37
29. Danciu Corina, Ersila Alexa, Avram Stefana, Pavel Ioana Zinuca, Minda Daliana, Soica Codruta, Trandafirescu Cristina, Ghiulai Roxana, Buda Valentina, Dehelean Cristina. Evaluation of phenolic profile, antioxidant capacity and anticancer effect against A375 human melanoma cell line of ethanolic extract obtained from aerial part of evening-primrose. Rezumate manifestari in cadrul proiectului CNFIS-FDI-2018-0159, Safety of medicinal plants products, Editura Victor Babes, 2018, ISBN 978-606-786-104-4; pag 23-24
30. Kis Brighitta, Stefana Avram, Ioana Zinuca Pavel, Daliana Minda, Oana Cionca, Monica Hancianu, Codruta Soica, Roxana Ghiulai, Corina Danciu. Advances in research of Apium graveolens L. extract: phytochemical evaluation,antiproliferative and pro-apoptotic activity against A375 human melanoma cells. Rezumate manifestari in cadrul proiectului CNFIS-FDI-2018-0159, Safety of medicinal plants products, Editura Victor Babes, 2018, ISBN 978-606-786-104-4; pag 32-33
31. Stefana Avram, Corina Danciu, Ioana Zinuca Pavel, Daliana Minda, Roxana Ghiulai, Ioana Macasoi, Dorina Coricovac, Iulia Pinzaru, Alina Elena Moaca, Denisa Carcioban, Codruta Soica, Cristina Dehelean, Safety and wound healing effects of three Artemisia species. Rezumate manifestari in cadrul proiectului CNFIS-FDI-2018-0159, Safety of medicinal plants products, Editura Victor Babes, 2018, ISBN 978-606-786-104-4; pag 47-48
32. Stefana Avram, Corina Danciu, Ioana Zinuca Pavel, Daliana Minda, Roxana Ghiulai, Iulia Pinzaru, Ioana Macasoi, Dorina Coricovac, Alina Elena Moaca, Marius Mioc, Codruta Soica, Cristina Dehelean, The effect of lemon balm extracts on MCF-7 and MDA-MB-231 breast cancer cells. Rezumate manifestari in cadrul proiectului CNFIS-FDI-2018-0159, Safety of medicinal plants products, Editura Victor Babes, 2018, ISBN 978-606-786-104-4; pag 49-50
33. Roxana Ghiulai, Stefana Avram, Laurian Vlase, Marius Mioc, Dorina Coricovac, Iulia Pinzaru, Florina Ardelean, Cristina Dehelean, Codruta Soica. Artemisin screening in commmercial herba from *Artemisia* species by LC-MS analytical method.Rezumate manifestari in cadrul proiectului CNFIS-FDI-2018-0159, Safety of medicinal plants products, Editura Victor Babes, 2018, ISBN 978-606-786-104-4; pag 30-31
34. Roxana Racoviceanu, Marius Mioc, Roxana Ghiulai, Cristina Trandafirescu, Codruța Șoica. Antioxidant activity of Armoracia rusticana hydroalcoholic extract. Rezumate manifestari in cadrul proiectului CNFIS-FDI-2018-0159, Safety of medicinal plants products, Editura Victor Babes, 2018, ISBN 978-606-786-104-4; pag 40-41
35. Marius Mioc, Roxana Ghiulai, Roxana Racoviceanu, Cristina Trandafirescu, Codruta Soica. Anticancer activity evaluation of a polyphenol fraction obtained from Fennel (*Foeniculum vulgare*) seeds extracts.Rezumate manifestari in cadrul proiectului CNFIS-FDI-2018-0159, Safety of medicinal plants products, Editura Victor Babes, 2018, ISBN 978-606-786-104-4; pag 56
36. Marius Mioc, Roxana Ghiulai, Roxana Racoviceanu, Cristina Trandafirescu, Codruta Soica. Green synthesis of silver nanoparticles using a *Foeniculum vulgare* seed extract and antiproliferative/citototoxicity evaluation. Rezumate manifestari in cadrul proiectului CNFIS-FDI-2018-0159, Safety of medicinal plants products, Editura Victor Babes, 2018, ISBN 978-606-786-104-4; pag 57
37. Mirela Voicu, Marius Mioc, Roxana Ghiulai, Adrian Voicu, Valentina Buda, Codruta Soica. Antibacterial activities of Chamomile flower. Rezumate manifestari in cadrul proiectului CNFIS-FDI-2018-0159, Safety of medicinal plants products, Editura Victor Babes, 2018, ISBN 978-606-786-104-4; pag 69-70
38. Daliana I Minda, Roxana Ghiulai, Camelia Oprean, Laurian Vlase, Ioana Zinuca Pavel, Iulia Pinzaru, Roxana Babuta, Marius Mioc, Corina Danciu, Dorina Coricovac, Codruta Soica,Cristina Dehelean, Stefana Avram. LC-MS Analysis Of Phytocompunds From Melissa Officinalis L., Book of Abstracts, PP 149, p 256, ISBN: 978-619-7240-48-1, 3rd International Conference on Natural Products Utilization From Plants to Pharmacy Shelf, 18-21 October 2017, Bansko, Bulgaria

39. Ioana Zinuca Pavel, Roxana Ghiulai, Iulia Pinzaru, Roxana Babuta, Marius Mioc, Corina Danciu, Daliana Minda, Camelia Oprean, Dorina Coricovac, Codruta Soica, Cristina Dehelean, Stefana Avram. Evaluation Of The Antioxidative And Cytotoxic Effects Of Melissa Officinalis L. Extracts In Breast Cancer Cell Lines, Book of Abstracts, PP 149, p 256, ISBN: 978-619-7240-48-1, 3rd International Conference on Natural Products Utilization From Plants to Pharmacy Shelf, 18-21 October 2017, Bansko, Bulgaria
40. Daliana Minda, Ioana Zinuca Pavel, Roxana Ghiulai, Iulia Pinzaru, Roxana Babuta, Marius Mioc, Corina Danciu, Camelia Oprean, Dorina Coricovac, Codruta Soica, Cristina Dehelean, Stefana Avram. Chemopreventive potential of red and white grapes from Banat region, Book of Abstracts, PP 148, p 255, ISBN: 978-619-7240-48-1, 3rd International Conference on Natural Products Utilization From Plants to Pharmacy Shelf, 18-21 October 2017, Bansko, Bulgaria
41. Danciu C, Avram S, Bojin F, Muntean D, Minda D, Pavel I, Soica C, Ghiulai R, Dehelean C, Antimicrobial and in vitro antiproliferative and pro apoptotic potential against B164A5 murine melanoma cell line of flavonol quercetin, Acta Pharmaceutica Hungarica, P2F1, pag 217, 7th BBBB International Conference on Pharmaceutical Sciences, New trends and achievements in pharmaceutical sciences and pharmacy practice, 5-7 Oct, 2017, Balatonfured, Hungary, ISBN 0001-6659
42. Danciu C, Avram S, Bojin F, Muntean D, Minda D, Pavel I, Soica C, Ghiulai R, Dehelean C, Antimicrobial and in vitro antiproliferative and pro apoptotic potential against B164A5 murine melanoma cell line of flavonol fisetin, Acta Pharmaceutica Hungarica, P2F1,pag 216, 7th BBBB International Conference on Pharmaceutical Sciences, New trends and achievements in pharmaceutical sciences and pharmacy practice, 5-7 Oct, 2017,Balatonfured, Hungary, ISBN 0001-6659
43. Soica C, Mioc M, Coricovac D, Trandafirescu C, Ghiulai R, Pavel I,Danciu C, Pinzaru I, Moaca A, Dragomirescu A, Popovici RA, Dehelean C. Betulin –conjugated gold nanoparticles with antitumor activity. Acta Pharmaceutica Hungarica, P2F1,pag 208, 7th BBBB International Conference on Pharmaceutical Sciences, New trends and achievements in pharmaceutical sciences and pharmacy practice, 5-7 Oct, 2017,Balatonfured, Hungary. ISBN 0001-6659
44. Soica C, Mioc M, Coricovac D, Trandafirescu C, Ghiulai R, Pavel I,Danciu C, Pinzaru I, Moaca A, Dragomirescu A, Popovici RA, Dehelean C. Hollow gold nanoparticles loaded with betulin as anticancer agents. Acta Pharmaceutica Hungarica, P2F1,pag 208, 7th BBBB International Conference on Pharmaceutical Sciences, New trends and achievements in pharmaceutical sciences and pharmacy practice, 5-7 Oct, 2017,Balatonfured, Hungary. ISBN 0001-6659
45. Roxana Ghiulai, Dorina Coricovac, Alexandra Gruia, Codruta Soica, Cristina Trandafirescu, Marius Mioc, Florina Andrica, Cristina Dehelean. A rapid analytical method for the identification of betulinic acid in sample solutions. Phytocompunds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity. Abstracts of the international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014, 23th November 2016, Timisoara, Romania, Editura „Victor Babes" ISBN 978-606-786-024-5, p 35
46. Florina Andrica, Cristina Dehelean, Cristina Trandafirescu, Roxana Ghiulai, Roxana Babuta, Marius Mioc, Codruta Soica. Protective effects of *Spirulina platensis* against heavy metal toxicity. Phytocompunds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity. Abstracts of the international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014, 23th November 2016, Timisoara, Romania, Editura „Victor Babes" ISBN 978-606-786-024-5, p 44
47. Marius Mioc, Cristina Trandafirescu, Roxana Ghiulai, Florina Andrica, Roxana Babuta, Cristina Dehelean, Codruta Soica. Docking-based virtual screening of anilino-pyrimidine derivatives for the purpose of inhibiting AKT/PKB kinase. Phytocompunds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity. Abstracts of the international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014, 23th November 2016, Timisoara, Romania, Editura „Victor Babes" ISBN 978-606-786-024-5, p 47
48. Ioana Zinuca Pavel, Iulia Pinzaru, Roxana Ghiulai, Stefana Avram, Marius Mioc, Codruta Soica, Dorina Coricovac, Cristina Adriana Dehelean. Antiproliferative effects of a betulin nanoformulation on a lung carcinoma cell line – A549. *Macedonian pharmaceutical bulletin*, 62 (suppl) 589 - 590 (2016). ISSN 1409 – 8695. Sixth Congress of Pharmacy in Macedonia with International participation 2016
49. Dorina Coricovac, Ioana Zinuca Pavel, Roxana Ghiulai, Alina Moaca, Iulia Pinzaru, Marius Mioc, Corina Danciu, Codruta Șoica, Cristina Dehelean- Caracterizarea efectelor in vitro

induse de acidul betulinic asupra unor linii celulare de cancer de sân. In vitro characterization of betulinic acid effects on several breast cancer cell lines, ID-371, Volum rezumate, ISSN : 2537-2823; ISSN-L : 2537-2823 Congresul National de Farmacie, Editia a-XVI-a, Farmacia-Centru al Interdisciplinarității Științelor vieții, București,28 sept-01 oct 2016

50. Coricovac Dorina, Ciurlea Sorina, Danciu Corina, Ghiulai Roxana, Antal Diana, Pinzaru Iulia, Dehelean Cristina. Development of in vivo melanoma models, The 17th DKMT Euroregional Conference on Environment and Health, June 5-6, 2015, Szeged, Hungary, Szeged, Hungary, Abstract book ISBN 978-963-306-374-3 p 45
51. Andrica, F, Dehelean, C, Coricovac, D, Pânzaru, I, Ghiulai, R, Drăgan, S. In vivo evaluation of antiinflammatory effects of spirulina platensis. The 17th DKMT Euroregional Conference on Environment and Health, June 5-6, 2015, Szeged, Hungary, ISBN 978-963-306-374-3 Abstract book ISBN 978-963-306-374-3 p 36
52. Sarbu M, Ghiulai RM, Zamfir AD. A nanoESI-QTOF MS approach for screening and sequencing of underivatized dextran chains containing up to 35 glucose repeats. 20th International Mass Spectrometry Conference, 24-29 August 2014, Geneva, Switzerland, Book of abstracts, P S08-08, pg 213-214 ISBN 978-2-8399-1514-4
53. Ghiulai RM, Mosoarca C, Vukelic Z, Sisu E, Zamfir AD. Aplication of fully automated chip-based nanoelectrospray ion trap mass spectrometry for mapping and sequencing of fetal cerebellum gangliosides. The Polish Society for Mass Spectrometry &The German Society for Mass Spectrometry Conference (DGMS), Poznan, Poland, 4-7 March 2012; Book of abstracts, P 61, p.147, ISBN 978-83-7712-064-4
54. Ghiulai RM, Mosoarca C, Vukelic Z, Zamfir AD. High-throughput mass spetrometric determination of ganglioside expression and structure in human fetal cerebellum. The German Society for Mass Spectrometry Conference (DGMS), Konstanz Germania, 8-11 March 2009; Book of abstracts, PB 07, p.162, ISBN 978-3-89318-995-3
55. Dorina Coricovac, Ioana Zinuca Pavel, George Andrei Draghici, Iulia Pinzaru, Stefana Avram, Marius Mioc, Roxana Ghiulai, Codruta Soica, Cristina Adriana Dehelean. In vitro anti-proliferative and antimetastatic effects of lupan pentacyclic triterpenes. Abstracts of the 53rd Congress of the European Societies of Toxicology (EUROTOX) Bratislava, Slovakia, 10th–13th September, 2017. Toxicology LettersVolume 280, Supplement 1, 20 October 2017, P-09-02-58,Page S273. http://dx.doi.org/10.1016/j.toxlet.2017.07.962
56. Coricovac D.E., Pavel I.Z., Avram S., Ghiulai R., Pinzaru I., Mioc M., Soica C., Dehelean C.A, Assessment of the in vitro effects of some new betulinic acid nanoformulations. Abstracts of the 52nd Congress of the European Societies of Toxicology (EUROTOX) Fibes Congress Center Seville, Spain, 04th–07th September 2016. Toxicology LettersVolume 258, Supplement, 16 September 2016, P17-047,Pages S276-S277 http://dx.doi.org/10.1016/j.toxlet.2016.06.1967
57. D.E. Coricovac, I. Pinzaru, I.Z. Pavel, R. Ghiulai, A.M. Cimpean, C. Soica , C.A. Dehelean, S. Avram. Experimental models of human melanoma. Abstracts of the 52nd Congress of the European Societies of Toxicology (EUROTOX) Fibes Congress Center Seville, Spain, 04th-07th September 2016. Toxicology LettersVolume 258, Supplement, 16 September 2016, P03-006,Page S93. http://dx.doi.org/10.1016/j.toxlet.2016.06.1407
58. Ulici A., Milan A., Racoviceanu R., Ghiulai R., Mioc M., Șoica C. Docking based drug-cyclodextrin complex design, for pentacyclic triterpenes formulation, Scholars International Webinar on Pharmacology and Toxicology THEME: "Novel insights in Therapeutic Approaches in Pharmacology and Toxicology", Webinar 14-15 April 2021
59. Milan A., Ulici A., Racoviceanu R., Ghiulai R., Mioc M., Șoica C. Docking based drug-cyclodextrin complex design, for pentacyclic triterpenoid acid formulation, using fatty acid ester derivatives, Scholars International Webinar on Pharmacology and Toxicology THEME: "Novel insights in Therapeutic Approaches in Pharmacology and Toxicology", Webinar 14-15 April 2021
60. Roxana Ghiulai,Marius Mioc, Gabriela Nistor, Roxana Racoviceanu, Codruta Soica. Design and synthesis of betulinic acid gold nano-particles with enhanced pharmaceutical properties. Symposium of Young Researchers on Pharmaceutical Technology, Biotechnology and Regulatory Science January 20-22nd 2021 Szeged, Hungary.DOI: 10.14232/syrptbrs.2021.op30
61. Marius Mioc, Roxana Ghiulai, Gabriela Nistor, Roxana Racoviceanu, Codruta Soica. Structural design of triterpenic acid 1,2,4-triazole linked gold nanoparticle bioconjugates, as potential treatment for malignant melanoma. Symposium of Young Researchers on Pharmaceutical Technology, Biotechnology and Regulatory Science January 20-22nd 2021 Szeged, Hungary. DOI: 10.14232/syrptbrs.2021.op50
62. Nistor G., Mioc M., Ghiulai R., Racoviceanu R., Șoica C., Synthesis of betulinic acid 1,2,4-triazole derivatives suitable for cyclodextrin inclusion complex formulation, Symposium of

Young Researchers on Pharmaceutical Technology, Biotechnology and Regulatory Science, Szeged 20-22 january 2021, DOI: 10.14232/syrptbrs.2021.op16

63. Roxana Ghiulai, Camelia Oprean, Laurian Vlase, Ioana Zinuca Pavel, Iulia Pinzaru, Roxana Babuta, Marius Mioc, Corina Danciu, Dorina Coricovac, Codruta Soica, Cristina Dehelean, Stefana Avram. Qualitative and quantitative screening of Melissa Officinalis l. Herba.ICMPR-2018, International Conference of Medicinal Plants Research, Warsaw, Poland, March, 26th 2018; Book of abstracts, p.41-4
64. Stefana Avram, Roxana Ghiulai, Iulia Pinzaru, Ioana Zinuca Pavel, Roxana Babuta, Marius Mioc, Corina Danciu, Daliana Minda, Camelia Oprean, Dorina Coricovac, Codruta Soica, Cristina Dehelean, In Vitro And In Vivo Effects Of Lemon Balm Extracts On Breast Cancer. ICMPR-2018, International Conference of Medicinal Plants Research, Warsaw, Poland, March, 26th 2018; Book of abstracts, p.29-31
65. 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. ICMPR-2018, International Conference of Medicinal Plants Research, Warsaw, Poland, March, 26th 2018; Book of abstracts, p.15-16
66. Cristina Dehelean, Marius Mioc, Dorina Coricovac, Lavinia Vlaia, Ioana Olariu, Georgeta Coneac, Anca Dragomirescu, Cristina Trandafirescu, Roxana Ghiulai, Roxana Babuta, Codruta Soica. Semisolid formulations with betulinic acid – conjugated gold nanoparticles: physico-chemical and biological evaluation. ICMPR-2018, International Conference of Medicinal Plants Research, Warsaw, Poland, March, 26th 2018; Book of abstracts, p.17-18
67. Mioc M, Coricovac D, Trandafirescu C, Ghiulai R, Pavel I, Danciu C, Pinzaru I,Moaca A, Farcas C, Popovici R.A, Dehelean C, Ambrus R, Soica C. Comparative assessment of solid and hollow gold nanoparticles as antitumor nanoformulations. 2nd International Caparica Christmas Conference on Translational Chemistry (IC3TC). Caparica, Portugal, December 4-7, 2017; Proceedings book p. 81
68. Roxana Ghiulai, Camelia Oprean, Laurian Vlase, Ioana Zinuca Pavel, Iulia Pinzaru, Roxana Babuta, Marius Mioc, Corina Danciu, Dorina Coricovac, Codruta Soica,Cristina Dehelean, Stefana Avram. Phytochemical screening of Melissa officinalis L. from Romanian Banat area. International Conference on Science and Society 2017 : "Phytomedicine and Biopiracy" ICSS-2017, July 24-28/ 2017, Mainz, Germany; Book of abstracts, p.80-81
69. Stefana Avram, Roxana Ghiulai, Iulia Pinzaru, Ioana Zinuca Pavel, Roxana Babuta, Marius Mioc, Corina Danciu, Daliana Minda, Camelia Oprean, Dorina Coricovac, Codruta Soica, Cristina Dehelean, Melissa Officinalis L. Extracts: Chemopreventive Potential In Breast Cancer. International Conference on Science and Society 2017: "Phytomedicine and Biopiracy" ICSS-2017, July 24 – 28/ 2017, Mainz, Germany;Book of abstracts, p.66
70. Roxana Ghiulai, Corina Danciu, Diana Antal, Lavinia Vlaia, Cristina Dehelean. Assessment of the effects of a betulinic acid nanoformulation on ear inflammation. 63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA2015) Budapest, Hungary, 23 - 27 August 2015; Book of abstracts, PM 83, p.166-167
71. Ghiulai RM, Sarbu M, Vukelic Z, Ilie C, Zamfir AD. High resolution mass spectrometric analysis of complex ganglioside profile typical to early stage fetal neocortex.. 26th Mass Spectrometry Forum, 17-18 February 2015, Vienna, Austria; Book of abstracts, P 8, p 52
72. Sarbu M, Robu A, Ghiulai RM, Peter-Katalinic J, Zamfir AD. Applications of chip-based nanoelectrospray MS to lysosomal storage diseases: Schindler disease. 25th Mass Spectrometry Forum, 17-19 February 2014, Vienna, Austria; Book of abstracts, p.12
73. Ghiulai RM, Sarbu M, Ilie C, Zamfir AD. High resolution mass spectrometric method for the structural investigation of native long chain polysaccharides. 25thMassSpec Forum. Vienna, Austria 17-19 February 2014; Book of abstracts, P 11
74. Sarbu M, Ghiulai RM, Zamfir AD. Nanoelectrospray quadrupole time-of-flight tandem mass spectrometric analysis of long chain polysaccharides. 5th International Symposium. Research and Education in Innovation Era, 5-6 November 2014, Arad, Romania

**Stagii de cercetare în străinatate**

Universitatea din Vienna, Facultatea de Chimie - coordonator prof. dr.dr.h.c. Andreas Rizzi
Mai 2012- Iulie 2012

**Burse de cercetare**

Bursă doctorală finanțată de Fondului Social European, prin proiectul POSDRU 107/1.5/S/78702 Februarie 2011- Noiembrie 2013

**Membru/responsabil in proiecte nationale de cercetare / granturi interne UMFVBT**

1. POSDRU 107/1.5/S/78702- **member, phd student**
2. UEFISCDI, PN-II-PT-PCCA-2013-4-0191: Interactomics of galactosaminoglycans in the extracellular matrix by advanced mass spectrometry, Director de proiect: Prof. Univ. Dr. Chim. Florentina-Daniela Munteanu- researcher/ **post-doctoral researcher**
3. UEFISCDI, PN-II-RU-TE-2014-4-2842: „Profilul farmacocinetic si farmacodinamic *in vitro* si *in vivo* al unor nanoformulari cu compusi terpenici cu efect antitumoral", Director de proiect: S.l. dr. farm. Dorina Elena Coricovac- researcher/ **post-doctoral researcher**
4. PIII-C2-PCFI-2015/2016, Noi abordări farmaceutice pentru modularea biodisponibilităţii unor flavonoide cu potenţial chemopreventiv pentru melanomul malign, Director de proiect: Prof. Univ. Dr. Cristina Adriana Dehelean- researcher/ **post-doctoral researcher**
5. UEFISCDI, PN-II-PT-PCCA-2011-3.1-087 Obtinerea polizaharidelor functionalizate pentru aplicatii in biomedicina si biotehnologii. Director de proiect Prof dr. Sisu Eugenr esearcher/ **post-doctoral researcher**
6. UEFISCDI, PN-III-P2-2.1-BG-2016-0354. Betulin and gold nanoparticles - based formulations in preventing skin aging**.** Director de proiect Prof univ dr. Codruta Soica-researcher/ **post-doctoral researcher**
7. III-C5-PCFI-2017/2018-04. ROINEXTRAMAM**.** Director de proiect conf. dr. Stefana Avram-**project responsible**
8. 1EXP/1233/30.01.2020 Lupeol as bioactive natural compound in the local treatment of wounds and inflammation from mild to severe pathologies: experimental evaluations and market pre-proposal acronim LUPSKINPATH. Director de proiect Prof univ dr. Codruta Soica-researcher/ **post-doctoral researcher**
9. UEFISCDI, PN-IV-P2-2.1-TE-2023-1790, Investigații complexe privind impactul nanoparticulelor de aur si acid betulinic asupra biomarkerlor de tip gangliozidic specifici melanomului malign- **director de proiect**
10. UEFISCDI PN-IV-P2-2.1-TE-2023-0717 Mitocondria ca țintă terapeutică în cancer: sinteza și evaluarea biologică a unor noi derivați triterpenici de decualiniu cu efect antiproliferativ **post-doctoral researcher**

**Lucrării științifice premiate la nivel naţional**

1. Sarbu M*, Ghiulai RM*, Zamfir AD (*equal contribution). Recent developments and applications of electron transfer dissociation mass spectrometry in proteomics. *Amino Acids 2014*; 46:1625-1634;Awarded scientific publication in 2014: UEFISCDI PN-II-RU-PRECISI-2014-8-4858
2. Sarbu M, Robu A, Ghiulai RM., Vukelić Ž, Clemmer DE, Zamfir AD. Electrospray Ionization Ion Mobility Mass Spectrometry of Human Brain Gangliosides.*Analytical Chemistry 2016 88* (10), 5166-5178. Awarded scientific publication in 2016: UEFISCDI PN-III-P1-1.1- PRECISI-2016- 11808
3. Marius Mioc, Codruta Soica, Vasile Bercean, Sorin Avram, Mihaela Balan‑Porcarasu, Dorina Coricovac, Roxana Ghiulai, Delia Muntean, Florina Andrica, Cristina Dehelean, Demetrios A. Spandidos, Aristides M. Tsatsakis and Ludovic Kurunczi. Design, synthesis and pharmaco-toxicological assessment of 5-mercapto-1,2,4-triazole derivatives with antibacterial and antiproliferative activity. *International Journal Of Oncology 2017* 50: 1175-1183, Impact factor = 3.333. Awarded scientific publication in 2017: UEFISCDI PN-III-P1-1.1- PRECISI-2017- 18913
4. Corina Danciu, Ștefana Avram, Ioana Zinuca Pavel, Roxana Ghiulai, Cristina Adriana Dehelean, Ersilia Alexa, Daliana Minda, Cristina Petrescu, Elena-Alina Moacă and Codruța Șoica. Main Isoflavones Found in Dietary Sources as Natural Anti-inflammatory Agents. *Current Drug Targets, 2018, 19,* 841-853 Impact factor = 2.642Awarded scientific publication in 2018: UEFISCDI PN-III-P1- 1.1-PRECISI2018-23950
5. Marius Mioc, Ioana Zinuca Pavel, Roxana Ghiulai, Dorina E. Coricovac, Claudia Farcas, Ciprian-Valentin Mihali, Camelia Oprean, Vlad Serafim, Ramona A. Popovici, Cristina A. Dehelean, Michael I. Shtilman, Aristidis M. Tsatsakis and Codruta Soica. The Cytotoxic Effects of Betulin-Conjugated Gold Nanoparticles as Stable Formulations in Normal and Melanoma Cells. *Front. Pharmacol. 2018*, 9:429 Impact factor = 3.845Awarded scientific publication in 2018: UEFISCDI PN-III-P1-1.1- PRECISI-2018- 25824
6. 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 Farcas, Roxana Marcela Racoviceanu, Corina Danciu, Cristina-Adriana Dehelean, Codruta Soica (* equal contribution). Cocrystal Formation of Betulinic Acid and Ascorbic Acid: Synthesis, Physico-Chemical Assessment, Antioxidant and Antiproliferative Activity. *Front. Chem. 2019* 7:92. doi: 10.3389/fchem.2019.00092; Impact factor = 3.782Awarded scientific publication in 2019: UEFISCDI PN-III-P1-1.1- PRECISI-2019- 35343

7. Delia Muntean, Monica Licker, Ersilia Alexa, Iuliana Popescu, Calin Jianu, Valentina Buda, Cristina Adriana Dehelean, Roxana Ghiulai, Florin Horhat, Delia Horhat, Corina Danciu. Evaluation of essential oil obtained from Mentha×piperita L. against multidrug-resistant strains. *Infection and Drug Resistance 2019*, 12, 2905–2914, Dovepress Impact factor = 3.000Awarded scientific publication in 2019: UEFISCDI PN-III-P1-1.1- PRECISI-2019-38965
8. Elena-Alina Moaca, Ioana Zinuca Pavel, Corina Danciu, Zorin Crainiceanu, Daliana Minda, Florina Ardelean, Diana Simona Antal, Roxana Ghiulai, Andreea Cioca, Mihnea Derban, Sebastian Simu, Raul Chioibas, Camelia Szuhanek, Cristina-Adriana Dehelean.Romanian Wormwood (Artemisia absinthium L.): Physicochemical and Nutraceutical Screening. *Molecules 2019*, 24, 3087; doi:10.3390/molecules24173087 Impact factor = 3.060Awarded scientific publication in 2019: UEFISCDI PN-III-P1-1.1- PRECISI-2019- 39660
9. Marius Mioc, Sorin Avram, Vasile Bercean, Ludovic Kurunczi, Roxana M. Ghiulai*, Camelia Oprean, Dorina E. Coricovac, Cristina Dehelean, Alexandra Mioc, Mihaela Balan-Porcarasu, Calin Tatu and Codruta Soica (*corresponding author). 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* 6:373. doi: 10.3389/fchem.2018.00373; Impact factor = 3.782Awarded scientific publication in 2019: UEFISCDI PN-III-P1-1.1- PRECISI-2019- 39772
10. Alexandra Mioc, Marius Mioc, Roxana Ghiulai*, Mirela Voicu, Roxana Racoviceanu, Cristina Trandafirescu, Cristina Dehelean, Dorina Coricovac, Codruta Soica (*corresponding author). Gold Nanoparticles as Targeted Delivery Systems and Theranostic Agents in Cancer Therapy. Current Medicinal Chemistry, 2019, 26, 1-20; Impact factor = 4.184 PN-III-P1-1.1-PRECISI-2020-48546
11. Claudia Geanina Farcas, Cristina Dehelean., Iulia Andreea Pinzaru, Marius Mioc, Vlad Socoliuc, Elena-Alina Moaca, Stefana Avram, Roxana Ghiulai, Dorina Coricovac, Ioana Pavel, Praveen Kumar Alla, Octavian Marius Cretu, Codruta Soica, Felicia Loghin. Thermosensitive Betulinic Acid-Loaded Magnetoliposomes: A Promising Antitumor Potential for Highly Aggressive Human Breast Adenocarcinoma Cells Under Hyperthermic Conditions. International Journal of Nanomedicine 2020:15 8175–8200Impact factor=6.4PN-III-P1-1.1-PRECISI-2021-58870
12. Roxana Racoviceanu, Cristina Trandafirescu, Mirela Voicu, Roxana Ghiulai *, Florin Borcan, Cristina Dehelean, Claudia Watz, Zoltán Aigner, Rita Ambrus, Dorina Elena Coricovac, Denisa Cîrcioban, Alexandra Mioc, Camelia Alexandrina Szuhanek, Codruta Soica (*corresponding author). Solid Polymeric Nanoparticles of Albendazole: Synthesis, Physico-Chemical Characterization and Biological Activity. Molecules 2020, 25, 5130; doi:10.3390/molecules25215130Impact factor=4.412PN-III-P1-1.1-PRECISI-2021-60237
13. Roxana Ghiulai, Oana Janina Rosca, Diana Simona Antal, Marius Mioc, Alexandra Mioc, Roxana Racoviceanu, Ioana Macasoi, Tudor Olariu, Cristina Dehelean, Octavian Marius Cretu, Mirela Voicu, Codruta Soica. Tetracyclic and Pentacyclic Triterpenes with High Therapeutic Efficiency in Wound Healing Approaches. Molecules 2020, 25, 5557; doi:10.3390/molecules25235557Impact factor=4.412PN-III-P1-1.1-PRECISI-2021-60775
14. Delia Dumbrava, Liviana Alexandra Popescu, Codruta Marinela Soica, Alma Nicolin, Ileana Cocan, Monica Negrea, Ersilia Alexa, Diana Obistioiu, Isidora Radulov, Sofia Popescu, Claudia Watz, Roxana Ghiulai, Alexandra Mioc, Camelia Szuhanek, Cosmin Sinescu, Cristina Dehelean. Nutritional, Antioxidant, Antimicrobial, and Toxicological Profile of Two Innovative Types of Vegan, Sugar-Free Chocolate.Foods 2020, 9, 1844; doi:10.3390/foods9121844Impact factor= 4.35PN-III-P1-1.1-PRECISI-2021-62232
15. Simona Sipos, Elena-Alina Moaca, Ioana Zinuca Pavel, Stefana Avram, Octavian Marius Cretu, Dorina Coricovac, Roxana-Marcela Racoviceanu, Roxana Ghiulai, Ramona Daniela Pana, Codruta Marinela Soica, Florin Borcan, Cristina Adriana Dehelean, Zorin Crainiceanu. Melissa officinalis L. Aqueous Extract Exerts Antioxidant and Antiangiogenic Effects and Improves Physiological Skin Parameters. Molecules 2021, 26, 2369. https://doi.org/10.3390/molecules26082369Impact factor=4.412PN-III-P1-1.1-PRECISI-2021-60186
16. Codruta Soica, Mirela Voicu, Roxana Ghiulai*, Cristina Dehelean, Roxana Racoviceanu, Cristina Trandafirescu, Oana-Janina Rosca, Gabriela Nistor, Marius Mioc, Alexandra Mioc (*corresponding author). Natural Compounds in Sex Hormone-Dependent Cancers: The Role of Triterpenes as Therapeutic Agents. Front. Endocrinol. 2021 11:612396. doi: 10.3389/fendo.2020.612396Impact factor= 5.555PN-III-P1-1.1-PRECISI-2021-60457
17. Prodea, A.; Mioc, A.;Banciu, C.; Trandafirescu, C.; Milan,A.; Racoviceanu, R.; Ghiulai, .; Mioc,M.; Soica, C. The Role of Cyclodextrins in the Design and Development of Triterpene-Based Therapeutic Agents. Int. J. Mol. Sci. 2022, 23, 736. https://doi.org/10.3390/ijms23020736Impact Factor= 5.6 PN-IV-P2-2.3-PRECISI-2023-77352

18. Roxana Ghiulai, Alexandra Mioc, Roxana Racoviceanu, Marius Mioc, Andreea Milan, Alexandra Prodea, Alexandra Semenescu, Cristina Dehelean , Lucian Barbu Tudoran, Ștefana Avram, Cristina Trandafirescu, Codruța Șoica. The Anti-Melanoma Effect of Betulinic Acid Functionalized Gold Nanoparticles: A Mechanistic In Vitro Approach. Pharmaceuticals 2022, 15, 1362. https://doi.org/10.3390/ph15111362 Impact Factor = 4.6 PN-IV-P2-2.3-PRECISI-2023-77694
19. Marius Mioc. Alexandra Mioc, Alexandra Prodea, Andreea Milan, Mihaela Balan-Porcarasu, Roxana Racoviceanu, Roxana Ghiulai, Gheorghe Iovanescu, Ioana Macasoi, George Draghici, Cristina Dehelean, Codruta Soica. Novel Triterpenic Acid—Benzotriazole Esters Act as Pro-Apoptotic Antimelanoma Agents. Int. J. Mol. Sci. 2022, 23, 9992. https://doi.org/10.3390/ijms23179992Impact Factor= 5.6 PN-IV-P2-2.3-PRECISI-2023-77723
20. Milan, A.; Mioc, A.; Prodea,A.; Mioc, M.; Buzatu, R.; Ghiulai, R.;Racoviceanu, R.; Caruntu, F.; ¸Soica, C. The Optimized Delivery of Triterpenes by Liposomal Nanoformulations: Overcoming the Challenges. Int. J. Mol. Sci. 2022, 23,1140. https://doi.org/10.3390/ijms23031140 Impact Factor= 5.6 PN-IV-P2-2.3-PRECISI-2023-78333
21. Marius Mioc, Andreea Milan, Daniel Malita, Alexandra Mioc, Alexandra Prodea, Roxana Racoviceanu, Roxana Ghiulai, Andreea Cristea , Florina Căruntu, Codruta Soica. Recent Advances Regarding the Molecular Mechanisms of Triterpenic Acids: A Review (Part I). Int. J. Mol. Sci. 2022, 23, 7740. https://doi.org/ 10.3390/ijms23147740 Impact Factor= 5.6 PN-IV-P2-2.3-PRECISI-2023-82482
22. Gabriela Nistor, Cristina Trandafirescu, Alexandra Prodea, Andreea Milan, Andreea Cristea, Roxana Ghiulai, Roxana Racoviceanu, Alexandra Mioc, Marius Mioc, Viviana Ivan, Codruta Soica. Semisynthetic Derivatives of Pentacyclic Triterpenes Bearing Heterocyclic Moieties with Therapeutic Potential. Molecules 2022, 27, 6552. https://doi.org/10.3390/ molecules27196552 Impact Factor= 4.6 PN-IV-P2-2.3-PRECISI-2023-82760 MOLECULES
23. Roxana Ghiulai , Marius Mioc , Roxana Racoviceanu , Alexandra Prodea , Andreea Milan, Dorina Coricovac , Cristina Dehelean ¸ Stefana Avram , Alina D. Zamfir, Cristian V. A. Munteanu ,Viviana Ivan Codruta Soica. Structural Investigation of Betulinic Acid Plasma Metabolites by Tandem Mass Spectrometry. Molecules 2022, 27, 7359. https://doi.org/10.3390/molecules27217359 PN-IV-P2-2.3-PRECISI-2023-82797
24. Nistor, G.; Mioc, M.; Mioc, A.; Balan-Porcarasu, M.; Racoviceanu, R.; Prodea, A.; Milan, A.; Ghiulai, R.; Semenescu, A.; Dehelean, C.; et al. The C30-Modulation of Betulinic Acid Using 1,2,4-Triazole: A Promising Strategy for Increasing Its Antimelanoma Cytotoxic Potential. Molecules 2022, 27, 7807. https://doi.org/10.3390/molecules27227807 Impact Factor= 4.6 PN-IV-P2-2.3-PRECISI-2023-82812 MOLECULES
25. Florin Borcan, Adél, Cristina A. Dehelean, Zoltán Dudás,Roxana Ghiulai*,Andrada Iftode, Roxana Racoviceanu, Codruta M. Soica (*corresponding author). Design and Assessment of a Polyurethane Carrier Used for the Transmembrane Transfer of Acyclovir. Nanomaterials 2021, 11, 51. https://dx.doi.org/10.3390/nano11010051 Impact Factor= 5.719 PN-IV-P2-2.3-PRECISI-2023-83571
26. Marius Mioc, Alexandra Prodea, Roxana Racoviceanu, Alexandra Mioc, Roxana Ghiulai, Andreea Milan, Mirela Voicu, Gabriel Mardale, Codruta Soica. Recent Advances Regarding the Molecular Mechanisms of Triterpenic Acids: A Review (Part II). Int. J. Mol. Sci. 2022, 23, 8896. https://doi.org/10.3390/ijms23168896Impact Factor= 5.6 PN-IV-P2-2.3-PRECISI-2023-77001

| | |
|---|---|
| **Alte premii** | Premiu pentru merite deosebite in activitatea didactica in cadrul Universitatii de Medicină și Farmacie „Victor Babes”, Timișoara – Zilele Universitatii, decembrie 2018 |
| **HIRSCH INDEX** | 23 (WOS); 23 (SCOPUS), 26 (GOOGLE SCHOLAR) |
| **Membru in societati profesionale si stiintifice** | Colegiul Farmacistilor Timis<br>Societatea de Stiinte Farmaceutice din Romania:<br>Asociatia Romana a Farmacistilor Clinicieni<br>Societatea Romana de Spectrometrie de Masa |
| **Alte date referitoare la activitatea didactica** | |
| **Ianuarie 2024 – prezent** | Director Departament II, Facultatea de Farmacie, UMFVBT<br>Membru in consiliul Facultatii,de Farmacie, UMFVBT |
| **2020-2024** | Membru in consiliul Departamentului II, Facultatea de Farmacie, UMFVBT |
| **2022- 2024** | Membru in Comisia de Etica, UMFVBT |
| **2019- prezent** | Membru in comisiile permanente ale Facultatii de Farmacie:<br>• Comisia de bioetică a cercetării<br>• Comisia de evaluare pentru gradatia de merit<br>• Comitete de formare continuă și rezidențiat<br>• Comisia de evaluare și asigurare a calității educației<br>• Comisia consultativa de deontologie profesională |

Timisoara, octombrie 2026

Prof. dr. Roxana Negrea-Ghiulai