



Curriculum vitae

Personal Information

Name / Surname **Negrea-Ghiulai Roxana Maria**

Email roxana.ghiulai@umft.ro

Citizenship Romanian

Workplace **Professor, Pharmacology-Pharmacotherapy, Faculty of Pharmacy, Department II, U.M.F. "Victor Babes" Timisoara**

Professional experience

Period September 2024- present

Position or position held Professor, Department of Pharmacology-Pharmacotherapy, Department II

Main activities and responsibilities Supporting courses and laboratory works in the discipline of Pharmacology-Pharmacotherapy for students of the Faculty of Pharmacy Romanian and French sections and Pharmacy Assistant; Scientific research

Name and address of the employer

Type of activity or sector of activity U.M.F. "Victor Babes" Timisoara, Faculty of Pharmacy, Murgu Eftimie sq nr. 2, Timișoara 300041
Medical-pharmaceutical higher education unit

Period September 2022- September 2024

Position or position held Associate Professor, Pharmacology-Pharmacotherapy, Department II

Main activities and responsibilities Supporting courses and laboratory works in the discipline of Pharmacology-Pharmacotherapy for students of the Faculty of Pharmacy Romanian and French sections and Pharmacy Assistant; Scientific research

Name and address of the employer

Type of activity or sector of activity U.M.F. "Victor Babes" Timisoara, Faculty of Pharmacy, Murgu Eftimie sq. nr. 2, Timișoara 300041
Medical-pharmaceutical higher education unit

Period September 2020 - September 2022

Position or position held Associate Professor, Pharmaceutical Chemistry, Department II

Main activities and responsibilities Supporting courses and laboratory works in the discipline of Pharmaceutical Chemistry for students of the Faculty of Pharmacy, Romanian and French sections and Pharmacy Assistantship; Scientific research

Name and address of the employer

Type of activity or sector of activity U.M.F. "Victor Babes" Timisoara, Faculty of Pharmacy, Murgu Eftimie sq. nr. 2, Timișoara 300041
Medical-pharmaceutical higher education unit

Period September 2019 - present

Position or position held Clinical Pharmacist

Provision of clinical pharmacy services within the hospital

Main activities and responsibilities	Timisoara Municipal Emergency Clinical Hospital, 1 Hector Street, Timisoara, 300041
Name and address of the employer	Health
Type of activity or sector of activity	September 2016 - September 2020
Period	Lecturer, Pharmaceutical Chemistry Discipline, Department II
Position or position held	Supporting courses and laboratory works in the discipline of Pharmaceutical Chemistry for students of the Faculty of Pharmacy, Romanian and French sections and Pharmacy Assistantship; Scientific research
Main activities and responsibilities	
Name and address of the employer	U.M.F. "Victor Babes" Timisoara, Faculty of Pharmacy, Murgu Eftimie sq. nr. 2, Timișoara 300041
Type of activity or sector of activity	Medical-pharmaceutical higher education unit
Period	September 2014 – September 2016
Position or position held	Assistant Professor, Pharmaceutical Chemistry, Department II
Main activities and responsibilities	Supporting laboratory works in the disciplines of Pharmaceutical Chemistry and Toxicology, sections Romanian and French; Scientific research activity
Name and address of the employer	U.M.F. "Victor Babes" Timisoara, Faculty of Pharmacy, Murgu Eftimie sq. nr. 2, Timișoara 300041
Type of activity or sector of activity	Medical-pharmaceutical higher education unit
Period	September 2010 – March 2012
Position or position held	Pharmacist
Main activities and responsibilities	Provision of pharmaceutical services in the community pharmacy
Name and address of the employer	S.C. SIEPCOFAR S.A.- "Dona" Pharmacies Timisoara, Romania
Type of activity or sector of activity	Health; Open Circuit Pharmacy
Period	February 2009 – March 2010
Position or position held	Pharmacist
Main activities and responsibilities	Provision of pharmaceutical services in the community pharmacy
Name and address of the employer	"Cynara" Pharmacy, Gh. Lazar Street, Timisoara, Romania
Type of activity or sector of activity	Health; Open Circuit Pharmacy
Period	January 2008–December 2008
Position or position held	Pharmacist
Main activities and responsibilities	Provision of pharmaceutical services in the community pharmacy
Name and address of the employer	"Hygeia" Pharmacy, F. Mercy Street, Timisoara, Romania
Type of activity or sector of activity	Health; Open Circuit Pharmacy
Period	January 2008 – January 2011
Position or position held	Resident pharmacist specialty Clinical Pharmacy
Main activities and responsibilities	Curriculum and training internships in the specialty
Name and address of the employer	Timișoara County Emergency Clinical Hospital, 156 Liviu Rebreanu Boulevard, Timișoara 300723

Type of activity or sector of activity Health

Education and training

Period November 2018-November 2022

Qualification / diploma obtained Doctor of Pharmacy Diploma

Main areas studied Fundamental pharmaceutical research, instrumental and advanced biomedical analysis

Name and type of educational institution "Victor Babes" University of Medicine and Pharmacy, Timișoara

Period October 2017 - June 2019

Master's Degree

Qualification / diploma obtained Phytopharmaceutical biotechnologies

Main areas studied University Of Agricultural Sciences And Veterinary Medicine Of Banat Timisoara

Name and type of educational institution June 2016

Period Primary pharmacist specialty Clinical Pharmacy

Qualification / diploma obtained "Carol Davila" University of Medicine and Pharmacy, Bucharest

Name and type of educational institution November 2010 - June 2014

Doctor of Medicine Diploma

Period Fundamental Biomedical Research, Advanced Instrumental Analysis

Qualification / diploma obtained "Victor Babes" University of Medicine and Pharmacy, Timișoara

Main areas studied

Name and type of educational institution

Period January 2008 – January 2011

Qualification / diploma obtained Specialist pharmacist in the specialty of Clinical Pharmacy

Main areas studied Training curriculum in the specialty

Name and type of educational institution "Victor Babes" University of Medicine and Pharmacy, Timișoara

Period October 2002 – September 2007

Qualification / diploma obtained Pharmacist

Main areas studied Pharmacology, Pharmaceutical Chemistry, Toxicology, Pharmaceutical Technology, Biochemistry, Clinical Pathology

Name and type of educational institution Faculty of Pharmacy, "Victor Babes" University of Medicine and Pharmacy, Timișoara

Personal skills and competences

Mother tongue

Romanian

Known foreign languages English, French, German

Self assessment
European level

Comprehension
Listening skills Reading skills

Spoken
Interaction Expression

Written

**English
French
German**

Very good
Very good
Well

Very good
Very good
Well

Very good
Very good
Well

VeryGood
Very good
Well

Very good
Very good
Well

Skills and social skills

Communicative, sociable, adaptable, responsible, positive attitude; teamwork, mediation skills, intercultural skills

Organisational competences and skills

Prioritization of activities, dynamism, attention to detail

Technical competences and skills

Activity in the research laboratory, preparation of magistral and officinal medicines, advanced intrahuman analysis

Computer skills and knowledge
Other skills and competences

MS Windows (Word, Power Point, Excel)

Hobbies: traveling, photography, reading, music, sports

Driver's license

Category B

Information

**Publications in extenso
in impact factor journals**

1. 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>.
2. 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>
3. 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>
4. 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
5. 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>
6. 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 Szuhaneck, Codruta Soica (*corresponding author). Solid Polymeric Nanoparticles of Albendazole: Synthesis, Physico-Chemical Characterization and Biological Activity. *Molecules* 2020, 25, 5130; doi:10.3390/molecules25215130
7. 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
8. Roxana Ghiulai, Stefana Avram, Dana Stoian, Ioana Zinuca Pavel, Dorina Coricovac, Camelia Oprean, Laurian Vlase, Claudia Farcas, Marius Mioc, Daliana Minda, Andrei Motoc, Camelia Szuhaneck, 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>

9. 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;
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;
11. 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;
12. 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 Mitochondrial Targeted Mechanism of Action of Some Pentacyclic Triterpene Derivatives. *REV. CHIM.* 2018 69(12) 3361-3363;
13. 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. *PHARMACY*, 2015, Vol. 63, 6: 858-864;
14. 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;
15. 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;
16. 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;
17. 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>.
18. 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>
19. 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>
20. 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>
21. 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>
22. 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>
23. 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>

24. 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>
25. 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>
26. 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>
27. Delia Dumbrava, Liviana Alexandra Popescu, Codruta Marinela Soica, Alma Nicolin, Ileana Cocan, Monica Negrea, Ersilia Alexa, Diana Obistoiu, Isidora Radulov, Sofia Popescu, Claudia Watz, Roxana Ghiulai, Alexandra Mioc, Camelia Szuhaneck, 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
28. 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
29. Elena-Alina Moaca, Ioana Zinuca Pavel, Corina Danciu, Zorin Crainiceanu, Daliana Minda, Florina Ardelean, Diana Simona Antal, Roxana Ghiulai, Andreea Cioca, Miheia Derban, Sebastian Simu, Raul Chioibas, Camelia Szuhaneck, Cristina-Adriana Dehelean. *Romanian Wormwood (Artemisia absinthium L.): Physicochemical and Nutraceutical Screening.* *Molecules* 2019, 24, 3087; doi:10.3390/molecules24173087
30. 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
31. Corina Danciu, Codruța Șoica, 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
32. 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
33. Corina Danciu, Iulia Andreea Pinzaru, Cristina Adriana Dehelean, Monica Hancianu, Istvan Zupko, Dan Navolan, Monica Licker, Roxana Maria Ghiulai, Codruța Marinela Șoica. Antiproliferative and antimicrobial properties of pure and encapsulated rutin. *Pharmacy*, 2018, Vol. 66, 2
34. 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
35. 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,
36. 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

37. 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
38. 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;
39. 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
40. 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>
41. Rotunjanu, S.; Racoviceanu, R.; Mioc, A.; Milan, A.; Negrea-Ghiulai, R.; Mioc, M.; Marangoci, N.L.; Șoica, C. Newly Synthesized CoFe₂-xDyxO₄ (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>

**Publications in extenso
in ISI indexed journals without
impact factor/ 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
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;

**Abstract scientific papers
published and presented at
national and international
conferences**

1. 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 betulinic acid. National Congress of Pharmacy XIXth Edition, PHARMACY TODAY: FROM TRADITION TO INTERDISCIPLINARITY AND ARTIFICIAL INTELLIGENCE, 27-29 September 2023, ISBN 978-606-075-203-5
2. 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. National Congress of Pharmacy XIXth Edition, PHARMACY TODAY: FROM TRADITIONTO INTERDISCIPLINARITY AND ARTIFICIAL INTELLIGENCE, 27-29 September 2023, ISBN 978-606-075-203-5
3. 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 γ-cyclodextrin. National Congress of Pharmacy XIXth Edition, PHARMACY TODAY: FROM TRADITIONTO INTERDISCIPLINARITY AND ARTIFICIAL INTELLIGENCE, 27-29 September 2023, ISBN 978-606-075-203-5
4. 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. National Congress of Pharmacy XIXth Edition, PHARMACY TODAY: FROM TRADITIONTO INTERDISCIPLINARITY AND ARTIFICIAL INTELLIGENCE, 27-29 September 2023, ISBN 978-606-075-203-5

5. Ghiulai R., Avram Ș.; Mioc M., Racoviceanu R., Șoica C., *Melissa officinalis* L herba-phytochemical profile, National Congress of Pharmacy XVIIIth Edition, PHARMACY: FROM INNOVATION TO GOOD PHARMACEUTICAL PRACTICE, 15-17 September 2021, I-SBN 978-606-10-2144-4
6. Racoviceanu R., Mioc M., Ghiulai R., Ulici A., Milan A., Șoica C., Synthesis and characterization of cobalt-doped magnetite nanoparticles intended for use in hyperthermia, National Congress of Pharmacy XVIIIth Edition, PHARMACY: FROM INNOVATION TO GOOD PHARMACEUTICAL PRACTICE, 15-17 September 2021, I-SBN 978-606-10-2144-4
7. Mioc M., Ghiulai R., Racoviceanu R., Prodea A., Milan A., Șoica C., Synthesis and characterization of a new amide derivative of betulinic acid with amino-triazole, with potential antiproliferative effect, National Congress of Pharmacy XVIIIth Edition, PHARMACY: FROM INNOVATION TO GOOD PHARMACEUTICAL PRACTICE, 15-17 September 2021, I-SBN 978-606-10-2144-4
8. 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. Medicinal plants between nature and health. Summary of events within the project CNFIS-FDI-2021-0498 "Development of the practice base in the field of medicinal plants of the University of Medicine and Pharmacy "Victor Babeș" Timișoara, Victor Babes Publishing House, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 14-15
9. 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. Medicinal plants between nature and health. Summary of events within the project CNFIS-FDI-2021-0498 "Development of the practice base in the field of medicinal plants of the University of Medicine and Pharmacy "Victor Babeș" Timișoara, Victor Babes Publishing House, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; page 21
10. 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. Medicinal plants between nature and health. Summary of events within the project CNFIS-FDI-2021-0498 "Development of the practice base in the field of medicinal plants of the University of Medicine and Pharmacy "Victor Babeș" Timișoara, Victor Babes Publishing House, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; page 27-28
11. Andreea Milan, Alexandra Ulici, Marius Mioc, Roxana Racoviceanu, Roxana Ghiulai, Șoica Codruța. The determination of anti-cancer and antioxidant activity of *Melissa officinalis* L. Medicinal plants between nature and health. Summary of events within the project CNFIS-FDI-2021-0498 "Development of the practice base in the field of medicinal plants of the University of Medicine and Pharmacy "Victor Babeș" Timișoara, Victor Babes Publishing House, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; page 39
12. Alexandra Prodea, Andreea Milan, Roxana Racoviceanu, Roxana Ghiulai, Marius Mioc, Codruța Șoica. Potential cytotoxic activity of an ethanolic extract of *Salvia officinalis*. Medicinal plants between nature and health. Abstracts of events within the project CNFIS-FDI-2021-0498 "Development of the practice base in the field of medicinal plants of the University of Medicine and Pharmacy "Victor Babeș" Timișoara, Victor Babes Publishing House, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; page 40
13. Roxana Racoviceanu, Roxana Ghiulai, Alexandra Prodea, Andreea Milan, Marius Mioc, Codruța Șoica. Evaluation of *Boswellia Serrata* hydro-alcoholic extracts. Medicinal plants between nature and health. Summary of events within the project CNFIS-FDI-2021-0498 "Development of the practice base in the field of medicinal plants of the University of Medicine and Pharmacy "Victor Babeș" Timișoara, Victor Babes Publishing House, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; page 41
14. Roxana Ghiulai, Marius Mioc, Roxana Racoviceanu, Cristina Trandafirescu, Alexandra Ulici, Andreea Milan, Codruta Soica. Screening of pentacyclic triterpenes from Birch sap. Applications of experimental methods in the analysis of cosmetic products with active ingredients: volume of abstracts edited within the scientific events carried out on the basis of the project CNFIS-FDI-2019-0393 "Center for professional development in the field of dermato-cosmetic products based on medicinal plants", Victor Babes Publishing House, 2020, ISBN 978-606-786-156-3, CNCSIS: 324; page 28-29
15. Elena-Alina Moacă, Ioana Zinuca Pavel, Ștefana Avram, Dorina Coricovac, Roxana-Marcela Racoviceanu, Roxana Ghiulai, Ramona Daniela Pană, Codruța Marinela Șoica, Florin Borcan, Octavian Marius Cretu, Cristina Adriana Dehelean. Assessment of lemon balm leaf aqueous extract. Physicochemical screening, biological effects and bioactivity

- on mice skin. Applications of experimental methods in the analysis of cosmetic products with active ingredients: volume of abstracts edited within the scientific events carried out on the basis of the project CNFIS-FDI-2019-0393 "Center for professional development in the field of dermato-cosmetic products based on medicinal plants", Victor Babes Publishing House, 2020, ISBN 978-606-786-156-3, CNCSIS: 324; pages 32-33
16. 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. Applications of experimental methods in the analysis of cosmetic products with active ingredients: volume of abstracts edited within the scientific events carried out on the basis of the project CNFIS-FDI-2019-0393 "Center for professional development in the field of dermato-cosmetic products based on medicinal plants", Victor Babes Publishing House, 2020, ISBN 978-606-786-156-3, CNCSIS: 324; pages 42-43
 17. Alexandra Ulici, Andreea Milan, Roxana Raicoviceanu, Roxana Ghiulai, Marius Mioc, Codruța Șoica. A-ring modified triterpene inclusion complex with hydroxypropyl gamma-cyclodextrin. Applications of experimental methods in the analysis of cosmetic products with active ingredients: volume of abstracts edited within the scientific events carried out based on the project CNFIS-FDI-2019-0393 "Center for professional development in the field of dermato-cosmetic products based on medicinal plants", Victor Babes Publishing House, 2020, ISBN 978-606-786-156-3, CNCSIS: 324; page 44
 18. 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. Applications of experimental methods in the analysis of cosmetic products with active ingredients: volume of abstracts edited within the scientific events carried out on the basis of the project CNFIS-FDI-2019-0393 "Center for professional development in the field of dermato-cosmetic products based on medicinal plants", Victor Babes Publishing House, 2020, ISBN 978-606-786-156-3, CNCSIS: 324; pages 45-46
 19. Andreea Milan, Alexandra Ulici, Marius Mioc, Roxana Ghiulai, Roxana Racoviceanu, Codruța Șoica. Pentacyclic triterpene derivatives synthesis, suitable for cyclodextrin inclusion complex formulation. Applications of experimental methods in the analysis of cosmetic products with active ingredients: volume of abstracts edited within the scientific events carried out on the basis of the project CNFIS-FDI-2019-0393 "Center for professional development in the field of dermato-cosmetic products based on medicinal plants", Victor Babes Publishing House, 2020, ISBN 978-606-786-156-3, CNCSIS: 324; pages 47-48
 20. Roxana Ghiulai, Stefana Avram, Laurian Vlase, Marius Mioc, Dorina Coricovac, Cristina Dehelean, Codruta Soica. Identification and quantification of betulinic acid from cosmetic formulations. Volume of abstracts edited within the scientific events carried out on the basis of the CNFIS-FDI-2019-0393 project, Dermo-cosmetic products as formulations. Testing the safety of cosmetic products, Victor Babes Publishing House, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pages 11-12
 21. 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. Volume of abstracts edited within the scientific events carried out on the basis of the CNFIS-FDI-2019-0393 project, Dermo-cosmetic products as formulations. Testing the safety of cosmetic products, Victor Babes Publishing House, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pages 13-14
 22. Roxana Ghiulai, Stefana Avram, Laurian Vlase, Marius Mioc, Dorina Coricovac, Iulia Pinzaru, Cristina Dehelean, Codruta Soica. Screening of pentacyclic triterpenoids from cosmetic products containing Lemon Balm extracts by LC-MS method. Volume of abstracts edited within the scientific events carried out on the basis of the CNFIS-FDI-2019-0393 project, Dermo-cosmetic products as formulations. Testing the safety of cosmetic products, Victor Babes Publishing House, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; page 19-20
 23. 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. Volume of abstracts edited within the scientific events carried out on the basis of the CNFIS-FDI-2019-0393 project, Dermo-cosmetic products as formulations. Testing the safety of cosmetic products, Victor Babes Publishing House, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; page 29
 24. 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. Volume of abstracts edited within the scientific events carried out on the basis of the

- CNFIS-FDI-2019-0393 project, Dermo-cosmetic products as formulations. Testing the safety of cosmetic products, Victor Babes Publishing House, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 30-31
25. 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. Volume of abstracts edited within the scientific events carried out on the basis of the CNFIS-FDI-2019-0393 project, Dermo-cosmetic products as formulations. Testing the safety of cosmetic products, Victor Babes Publishing House, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pages 34-35
 26. 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. Volume of abstracts edited within the scientific events carried out on the basis of the CNFIS-FDI-2019-0393 project, Dermo-cosmetic products as formulations. Testing the safety of cosmetic products, Victor Babes Publishing House, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; page 36-37
 27. 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. Abstracts of events within the project CNFIS-FDI-2018-0159, Safety of medicinal plants products, Victor Babes Publishing House, 2018, ISBN 978-606-786-104-4; page 23-24
 28. 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. Abstracts of events within the project CNFIS-FDI-2018-0159, Safety of medicinal plants products, Victor Babes Publishing House, 2018, ISBN 978-606-786-104-4; pages 32-33
 29. 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. Abstracts of events within the project CNFIS-FDI-2018-0159, Safety of medicinal plants products, Victor Babes Publishing House, 2018, ISBN 978-606-786-104-4; pag 47-48
 30. 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. Abstracts of events within the project CNFIS-FDI-2018-0159, Safety of medicinal plants products, Victor Babes Publishing House, 2018, ISBN 978-606-786-104-4; pag 49-50
 31. Roxana Ghiulai, Stefana Avram, Laurian Vlas, Marius Mioc, Dorina Coricovac, Iulia Pinzaru, Florina Ardelean, Cristina Dehelean, Codruta Soica. Artemisin screening in commercial herba from *Artemisia* species by LC-MS analytical method. Abstracts of events within the project CNFIS-FDI-2018-0159, Safety of medicinal plants products, Victor Babes Publishing House, 2018, ISBN 978-606-786-104-4; pag 30-31
 32. Roxana Racoviceanu, Marius Mioc, Roxana Ghiulai, Cristina Trandafirescu, Codruța Șoica. Antioxidant activity of *Armoracia rusticana* hydroalcoholic extract. Abstracts of events within the project CNFIS-FDI-2018-0159, Safety of medicinal plants products, Victor Babes Publishing House, 2018, ISBN 978-606-786-104-4; page 40-41
 33. Marius Mioc, Roxana Ghiulai, Roxana Racoviceanu, Cristina Trandafirescu, Codruta Soica. Anticancer activity evaluation of a polyphenol fraction obtained from Fennel (*Foeniculum vulgare*) seeds extracts. Abstracts of events within the project CNFIS-FDI-2018-0159, Safety of medicinal plants products, Victor Babes Publishing House, 2018, ISBN 978-606-786-104-4; page 56
 34. Marius Mioc, Roxana Ghiulai, Roxana Racoviceanu, Cristina Trandafirescu, Codruta Soica. Green synthesis of silver nanoparticles using a *Foeniculum vulgare* seed extract and antiproliferative/cytotoxicity evaluation. Abstracts of events within the project CNFIS-FDI-2018-0159, Safety of medicinal plants products, Victor Babes Publishing House, 2018, ISBN 978-606-786-104-4; page 57
 35. Mirela Voicu, Marius Mioc, Roxana Ghiulai, Adrian Voicu, Valentina Buda, Codruta Soica. Antibacterial activities of Chamomile flower. Abstracts of events within the project CNFIS-FDI-2018-0159, Safety of medicinal plants products, Victor Babes Publishing House, 2018, ISBN 978-606-786-104-4; pag 69-70
 36. Daliana I Minda, Roxana Ghiulai, Camelia Oprean, Laurian Vlas, 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
37. 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 Antioxidant 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
 38. 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
 39. 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
 40. 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
 41. 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
 42. 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
 43. 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, "Victor Babes" Publishing House ISBN 978-606-786-024-5, p 35
 44. 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, "Victor Babes" Publishing House ISBN 978-606-786-024-5, p 44
 45. 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, "Victor Babes" Publishing House ISBN 978-606-786-024-5, p 47
 46. 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
47. Dorina Coricovac, Ioana Zinuca Pavel, Roxana Ghiulai, Alina Moaca, Iulia Pinzaru, Marius Mioc, Corina Danciu, Codruta Șoica, Cristina Dehelean- Characterization of the in vitro effects induced by betulinic acid on breast cancer cell lines. In vitro characterization of betulinic acid effects on several breast cancer cell lines, ID-371, Abstract volume, ISSN : 2537-2823; ISSN-L : 2537-2823 National Congress of Pharmacy, XVIth Edition, Pharmacy-Center for the Interdisciplinarity of Life Sciences, Bucharest, 28 Sep-01 Oct 2016
 48. 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
 49. 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
 50. 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
 51. Ghiulai RM, Mosoarca C, Vukelic Z, Sisu E, Zamfir AD. Application 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
 52. Ghiulai RM, Mosoarca C, Vukelic Z, Zamfir AD. High-throughput mass spectrometric determination of ganglioside expression and structure in human fetal cerebellum. The German Society for Mass Spectrometry Conference (DGMS), Konstanz Germany, 8-11 March 2009; Book of abstracts, PB 07, p.162, ISBN 978-3-89318-995-3
 53. 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 Letters Volume 280, Supplement 1, 20 October 2017, P-09-02-58, Page S273. <http://dx.doi.org/10.1016/j.toxlet.2017.07.962>
 54. 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 Letters Volume 258, Supplement, 16 September 2016, P17-047, Pages S276-S277 <http://dx.doi.org/10.1016/j.toxlet.2016.06.1967>
 55. 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 Letters Volume 258, Supplement, 16 September 2016, P03-006, Page S93. <http://dx.doi.org/10.1016/j.toxlet.2016.06.1407>
 56. 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
 57. 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
 58. 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
 59. 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

60. 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
61. 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
62. 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
63. 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
64. 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
65. 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
66. 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
67. 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
68. 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
69. 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
70. 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
71. 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
72. 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

Research internships abroad University of Vienna, Faculty of Chemistry - coordinator prof. dr.dr.h.c. Andreas Rizzi
May 2012 - July 2012

Research Grants Doctoral scholarship funded by the European Social Fund, through the project POSDRU
107/1.5/S/78702 February 2011 - November 2013

**Member/responsible for national
research projects / internal grants
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, Project director: Prof. Univ. Dr. Chim. Florentina-Daniela Munteanu- researcher/ post-doctoral researcher
3. UEFISCDI, PN-II-RU-TE-2014-4-2842: "Pharmacokinetic and pharmacodynamic profile *in vitro* and *in vivo* of nanoformulations with terpene compounds with antitumor effect", Project director: S.I. dr. farm. Dorina Elena Coricovac- researcher/ post-doctoral researcher
4. PIII-C2-PCFI-2015/2016, New pharmaceutical approaches for modulating the bioavailability of some flavonoids with chemopreventive potential for malignant melanoma, Project director: Prof. Univ. Dr. Cristina Adriana Dehelean- researcher/ post-doctoral researcher
5. UEFISCDI, PN-II-PT-PCCA-2011-3.1-087 Obtaining functionalized polysaccharides for applications in biomedicine and biotechnology. Project director Prof dr. Sisu Eugen researcher/ post-doctoral researcher
6. UEFISCDI, PN-III-P2-2.1-BG-2016-0354. Betulin and gold nanoparticles - based formulations in preventing skin aging. Project director Prof. Codruta Soica, Ph.D. - researcher/ post-doctoral researcher
7. III-C5-PCFI-2017/2018-04. ROINEXTRAMAM. Project Director Assoc. Prof. Dr. Stefana Avram-project responsible
8. 7. 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 acronym LUPSKINPATH. Project director Prof. Codruta Soica, Ph.D. - researcher/ post-doctoral researcher
9. UEFISCDI, PN-IV-P2-2.1-TE-2023-1790, Complex investigations on the impact of gold and betulinic acid nanoparticles on malignant melanoma-specific ganglioside biomarkers - project director

Awarded Scientific papers

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 Soica. Main Isoflavones Found in Dietary Sources as Natural Anti-inflammatory Agents. *Current Drug Targets*, 2018, 19, 841-853 Impact factor = 2.642 Awarded 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 = 3.845 Awarded 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 = 3.782 Awarded 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 = 3.000 Awarded 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 = 3.060 Awarded 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 = 3.782 Awarded 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 8175–8200 Impact factor=6.4 PN-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/molecules25215130 Impact factor=4.412 PN-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/molecules25235557 Impact factor=4.412 PN-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 Obistoiu, 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 Impact factor= 4.35 PN-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/molecules26082369> Impact factor=4.412 PN-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.2020.612396 Impact factor= 5.555PN-III-P1-1.1-PRECISI-2021-60457

Other awards	Award for special merits in teaching activity at the "Victor Babes" University of Medicine and Pharmacy, Timișoara – University Days, December 2018
HIRSCH INDEX	21 (WOS); 21 (SCOPUS), 23 (GOOGLE SCHOLAR)
Member of professional and scientific societies	College of Pharmacists Timis Romanian Association of Clinical Pharmacists Romanian Society of Mass Spectrometry
Other data regarding the teaching activity	
January 2024 – present	Director of Department II, Faculty of Pharmacy, UMFVBT Member of the Council of the Faculty of Pharmacy, UMFVBT
2020-2024	Member of the Council of Department II, Faculty of Pharmacy, UMFVBT
2022- 2024	Member of the Ethics Commission, UMFVBT
2019- present	Member of the standing committees of the Faculty of Pharmacy: • Research Bioethics Commission • The evaluation commission for the merit gradation • Continuing education and residency committees • The Commission for the Evaluation and Quality Assurance of Education • Consultative Commission for Professional Ethics