**LISTA LUCRĂRILOR ȘTIINȚIFICE**

**Conf. Dr. Farm. Negrea-Ghiulai Roxana Maria**

**1) Titlul tezelor de doctorat**

1. “Dezvoltarea și implementarea metodelor analitice moderne pentru studiul expresiei și rolului biomarkerilor de tip glicoconjugat în dezvoltarea intrauterină a sistemului nervos central”, **2014**, coordonator stiintific prof. univ. dr. Constantin Ilie, Universitatea de Medicina si Farmacie “Victor Babes”, Timisoara, calificativ **Summa Cum Laude**
2. ***„***High-performance analytical and biological studies regarding the pharmacological properties of betulinic acid", **2022**, coordonator stiintific prof. univ. dr. Codruta Soica, Universitatea de Medicina si Farmacie “Victor Babes”, Timisoara, calificativ **Magna Cum Laude**

**2) Titlul tezei de abilitare**

1. “Physicochemical and biological investigations on bioactive compounds and pharmaceutical formulations by advanced instrumental analysis” , **2023**

**3) Capitole în volume colective**

1. Danciu Corina, Soica Codruta, Antal Diana, Alexandra Popescu, **Roxana Ghiulai**, Ioana Zinuca Pavel, Stefana Avram, Minda Daliana, Cristina Dehelean. An Update On Natural Compounds and Their Modern Formulations for the Management of Malignant Melanoma**.** July 2017, <http://dx.doi.org/10.5772/67647>. Book: Natural Products and Cancer Drug Discovery. Book publisher: InTech, London, 2017, 44 (211-253), ISBN 978-953-51-3314-8
2. Stefana Avram, **Roxana Ghiulai**, Ioana Zinuca Pavel, Marius Mioc, Roxana Babuta, Mirela Voicu, Dorina Coricovac, Corina Danciu, Cristina Dehelean, Codruta Soica. Phytocompounds Targeting Cancer Angiogenesis Using the Chorioallantoic Membrane Assay.July 2017, <http://dx.doi.org/10.5772/intechopen.68506>. Book: Natural Products and Cancer Drug Discovery. Book publisher: InTech, London, 2017, 22 (45-66), ISBN 978-953-51-3314-8
3. Codruţa Şoica, Diana Antal, Florina Andrica, Roxana Băbuţa, Alina Moacă, Florina Ardelean, **Roxana Ghiulai**, Stefana Avram, Corina Danciu, Dorina Coricovac, Cristina Dehelean, Virgil Păunescu. Lupan-Skeleton Pentacyclic Triterpenes with Activity against Skin Cancer: Preclinical Trials Evolution,July 2017,<http://dx.doi.org/10.5772/intechopen.68908>. Book: Unique Aspects of Anti-cancer Drug Development. Book publisher: InTech, London, 2017, 28 (87-114), ISBN 978-953-51-3348-3

**4) Articole publicate in extenso**

**a)Articole în reviste cotate ISI, cu factor de impactin calitate de autor principal**

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>. **Impact Factor= 4.6**

1. **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**

1. 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>**Impact Factor = 2.7**
2. 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 = 6.055**
3. 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**
4. 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**
5. **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**
6. **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>**Impact Factor= 2.63**
7. 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=3.693**
8. 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**
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: 6.3389/fchem.2018.00373; **Impact Factor=3.782**
10. 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; **Impact Factor=1.605**
11. 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; **Impact Factor= 1.162**
12. **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; **Impact Factor= 2.520**
13. 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; **Impact Factor= 3.293**
14. **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; **Impact Factor=1.329**

**TOTAL FACTOR IMPACT AUTOR PRINCIPAL = 56.696**

**b**) **Articole în reviste cotate ISI, cu factor de impact in calitate de co-autor**

1. 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>**Impact Factor= 3.5**
2. Rotunjanu, S.; Racoviceanu, R.; Mioc, A.; Milan, A.; **Negrea-Ghiulai, R**.; Mioc, M.; Marangoci, N.L.; Şoica, 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>**Impact Factor= 5.6**
3. 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. **Impact Factor= 4.6**
4. 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>**Impact Factor=3.5**
5. 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**

1. 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**
2. 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>**Impact Factor= 5.6**
3. 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>**Impact Factor= 5.6**
4. 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**
5. 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>**Impact Factor= 5.6**
6. 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**
7. 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=4.927**

1. 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**Impact Factor=4.350**
2. 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=6.400**
3. 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=3.267**
4. 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=2.984**

1. 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 **IF=2.180**
2. 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=2.642**
3. 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 **Impact Factor=1.527**
4. 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**
5. 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**
6. 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 **Impact Factor=2.976**
7. 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 **Impact Factor=6.320**
8. 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; **Impact Factor=0.956**
9. 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 **Impact Factor=0.810**
10. 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**

**TOTAL FACTOR IMPACT CO-AUTOR = 101.933**

**c)Articole în reviste cotate ISI fără 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. **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*
4. 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

5) **Articole publicate in rezumat**

**a) Articole publicate în rezumat in reviste cotate ISI, cu factor de impact**

1. [Dorina Coricovac](https://www.sciencedirect.com/science/article/abs/pii/S0378427417312249?via%3Dihub" \l "!), [Ioana Zinuca Pavel](https://www.sciencedirect.com/science/article/abs/pii/S0378427417312249?via%3Dihub#!), [George Andrei Draghici](https://www.sciencedirect.com/science/article/abs/pii/S0378427417312249?via%3Dihub#!), [Iulia Pinzaru](https://www.sciencedirect.com/science/article/abs/pii/S0378427417312249?via%3Dihub#!), [Stefana Avram](https://www.sciencedirect.com/science/article/abs/pii/S0378427417312249?via%3Dihub#!), [Marius Mioc](https://www.sciencedirect.com/science/article/abs/pii/S0378427417312249?via%3Dihub#!), [**Roxana Ghiulai**](https://www.sciencedirect.com/science/article/abs/pii/S0378427417312249?via%3Dihub#!), [Codruta Soica](https://www.sciencedirect.com/science/article/abs/pii/S0378427417312249?via%3Dihub#!), [Cristina Adriana Dehelean](https://www.sciencedirect.com/science/article/abs/pii/S0378427417312249?via%3Dihub#!). 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](https://www.sciencedirect.com/science/journal/03784274/280/supp/S1). [Toxicology Letters](https://www.sciencedirect.com/science/journal/03784274)[Volume 280, Supplement 1](https://www.sciencedirect.com/science/journal/03784274/280/supp/S1), 20 October 2017, P-09-02-58,Page S273. <http://dx.doi.org/10.1016/j.toxlet.2017.07.962>
2. 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](https://www.sciencedirect.com/science/journal/03784274)[Volume 258, Supplement](https://www.sciencedirect.com/science/journal/03784274/258/supp/S), 16 September 2016, P17-047,Pages S276-S277 <http://dx.doi.org/10.1016/j.toxlet.2016.06.1967>

1. 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](https://www.sciencedirect.com/science/journal/03784274)[Volume 258, Supplement](https://www.sciencedirect.com/science/journal/03784274/258/supp/S), 16 September 2016, P03-006,Page S93. <http://dx.doi.org/10.1016/j.toxlet.2016.06.1407>

**b) Articole publicate în rezumat în revistele și volumele unor manifestări științifice, cu ISBN sau ISSN**

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 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
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. **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

1. 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
2. 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
3. **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
4. 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
5. **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
6. 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 Medicină și Farmacie “ Victor Babeș” Timișoara, Editura Victor Babes, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 14-15

1. 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 Medicină și Farmacie “ Victor Babeș” Timișoara, Editura Victor Babes, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 21
2. 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 Medicină și Farmacie “ Victor Babeș” Timișoara, Editura Victor Babes, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 27-28
3. 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 Medicină și Farmacie “ Victor Babeș” Timișoara, Editura Victor Babes, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 39

1. 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 Medicină și Farmacie “ Victor Babeș” Timișoara, Editura Victor Babes, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 40
2. 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 Medicină și Farmacie “ Victor Babeș” Timișoara, Editura Victor Babes, 2021, ISBN 978-606-786-253-9, CNCSIS: 324; pag 41

1. **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
2. 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
3. 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
4. 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
5. 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
6. 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
7. **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 cosmetic**e**, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 11-12

1. 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 cosmetic**e**, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 13-14
2. **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 cosmetic**e**, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 19-20
3. 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 cosmetic**e**, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 29

1. 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 cosmetic**e**, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 30-31
2. 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 cosmetic**e**, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 34-35
3. 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 cosmetic**e**, Editura Victor Babes, 2020, ISBN 978-606-786-155-6, CNCSIS: 324; pag 36-37
4. 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

1. 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
2. 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
3. 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
4. **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
5. 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
6. 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

1. 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
2. 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
3. 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**
4. 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**

1. 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**
2. 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**
3. 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**
4. 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
5. 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
6. **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
7. 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
8. 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
9. 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
10. 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 Stiințelor vieții, București,28 sept-01 oct 2016
11. 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
12. 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
13. 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
14. **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
15. **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

c) **Articole publicate în rezumat în revistele și volumele unor manifestări științifice**

1. Prodea, A.; Milan, A.; Mioc, M.; Racoviceanu, R.; Trandafirescu, C.; Mioc, A.; Pârvănescu, R.; **Ghiulai; R.;** Mardale; G.; Șoica, C.; Chemical heterocyclic derivatization of pentacyclic triterpenes- a promising strategy for drug development; Workshop New trends in pharmaceutical research; Timișoara 31.03.2023; p. 37-38
2. Mioc, A.; Mardale; G.; Mioc, M.; Racoviceanu, R.; Milan, A.; Prodea, A.; **Ghiulai; R**.; Șoica, C.; Triterpenic acid gold nanoparticles: an in vitro approach; New trends in pharmaceutical research; Timișoara 31.03.2023; p. 21-22
3. Milan, A.; Prodea, A.; Mioc, M.; Racoviceanu, R.; Trandafirescu, C.; Mioc, A.; Pârvănescu, R.; **Ghiulai; R**.; Șoica, C.; The esterification of triterpenic acids: a promising biological approach; New trends in pharmaceutical research; Timișoara 31.03.2023; p. 25-26
4. **Ghiulai; R.;** Mioc, M.; Prodea, A.; Milan, A.; Racoviceanu, R.; Coricovac, D.; Mioc, A.; Suciu; L.; Trandafirescu, C.; Șoica, C.; Screeninf of hydroxylated phase I in vivo metabolites of betulinic acid; New trends in pharmaceutical research; Timișoara 31.03.2023; p. 23-24
5. 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

1. 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
2. **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
3. 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
4. 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
5. **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
6. 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
7. 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
8. 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
9. 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
10. **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
11. 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
12. **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
13. **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
14. 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
15. **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
16. 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
17. **Ghiulai RM**, Galusca M, Sisu I, Sisu E, Zamfir AD.Qtof tandem MS for the analysis of derivatized and underivatized oligosaccharides. 2nd**ME- MED MS MASSA. Siena, Italy, June 30-July 4 2013**; Book of abstracts, P 4, p.67
18. **Ghiulai RM**, Sarbu M, Zamfir AD,Ilie C. High resolution mass spectrometric analysis of fetal neocortex gangliosides. Zilele Universității de Medicină și Farmacie ”Victor Babeș” Timișoara, 2013
19. **Ghiulai RM**, Galusca M, Sisu I, Sisu E, Zamfir AD. High resolution mass spectrometric characterization of maltose derivatives. International Symposium Research and Education in Innovation Era. Arad, Romania 2012;
20. I.Sisu,A.Serb,**R.Ghiulai**,M.Penescu, S. Dragan, A.D.Zamfir, E.Sisu-Structural analysis of functionalized oligo and polysaccharides by mass spectrometry -XXXII-nd Romanian Chemistry Conference, October 3-5, 2012 Calimanesti-Caciulata, Valcea,Romania, Book of abstract p23, pg.34
21. A. Serb, S.Dragan,C.Flangea, **R.Ghiulai**,M.Penescu,E.Sisu, A.D.Zamfir. Analysis by mass spectrometry of the oligosaccharides from natural glycoconjugates XXXII-nd Romanian Chemistry Conference, October 3-5, 2012 Calimanesti-Caciulata, Valcea, Romania Book of abstract p45, pg.38
22. Flangea C, Serb A, Mosoarca C, Schiopu C, **Ghiulai RM**, Manea M, Sisu E, Zamfir AD. A novel analytical approach combining NanoMate and Electron Transfer Dissociation for top-down proteomics. **The 2nd International Conference of The Romanian Society for Mass Spectrometry (RSMS), Timisoara, Romania, 1-5 May 2011**; Book of abstracts, p.12
23. **Ghiulai RM**, Mosoarca C, Vukelic Z, Sisu E, Zamfir AD. Identification and structural characterization of human fetal cerebellum gangliosides by chip-based nanoelectrospray ion trap mass spectrometry. **The 2nd International Conference of The Romanian Society for Mass Spectrometry. Timisoara, Romania, 1-5 May 2011**; Book of abstracts, p.75
24. Marincic Dragana, Serb Alina, **Ghiulai Roxana**, Zamfir Alina, Vukelic Zelika. „Gangliosides structure and composition in brain development and malignant alteration”. International Symposium Research and Education in Innovation Era, 11-12.11.2010, Arad, Romania
25. **Ghiulai RM**, Mosoarca C, Vukelic Z, Zamfir AD.Screening and sequencing of fetal cerebellum gangliosides by Nano-Mate high-capacity ion trap mass spectrometry. The 1st

International Conference of The Romanian Society for Mass Spectrometry (RSMS), Sinaia Romania, 25-29 April 2010**;** Book of abstracts, P 16, p.64

Timisoara, Conf. dr. Roxana Negrea-Ghiulai

Ianuarie 2024