



Curriculum vitae



Personal information

First names / Surname

IULIA ANDREEA PINZARU

Address

Eftimie Murgu, Sq 2, Faculty of Pharmacy, Timișoara 300041

E-mail

iuliapinzaru@umft.ro

Nationality

Romanian

Occupational field Work experience

ASSOCIATE PROFESSOR – TOXICOLOGY, DRUG INDUSTRY, MANAGEMENT AND LEGISLATION - TEACHING AND RESEARCH

2014 – present

Associate Professor

„Victor Babeș” University of Medicine and Pharmacy from Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania

Education - University, Research

2023 – present

I am part of the Body of experts from the National Register of experts for the certification of research and development activity, based on the order of the MINISTER NO. 20242/13.02.2023. the field of intelligent specialization at the national level - Advanced functional materials

National scientific evaluation

2022 – present

I am part of the evaluation experts within the programs run by the European Commission. Identification number EX2022D708670

International scientific evaluation

2022 - present

Member of the Scientific Committee of „Victor Babeș” University of Medicine and Pharmacy from Timisoara

Education - University, Research

2022 - present

Member of the Council of Department II of the Faculty of Pharmacy, „Victor Babeș” University of Medicine and Pharmacy from Timisoara

Education - University, Research

2022 - present

Member of the Commission for bioethics research within the Faculty of Pharmacy, „Victor Babeș” University of Medicine and Pharmacy from Timisoara

Education - University, Research

2021 - present

President of the Commission for Evaluation and Assurance of Educational Quality within the Faculty of Pharmacy, „Victor Babeș” University of Medicine and Pharmacy from Timisoara

Education - University

2019 - present

President of the Commission for Acquisition within the Faculty of Pharmacy, „Victor Babeș” University of Medicine and Pharmacy from Timisoara

Institutional development - University

2023 - 2025

Project manager - 2023-1-RO01-KA220-HED-000164767 Title: Partnership for innovation on the exchange of best practices and the design of joint collaborative initiatives at European level related to the awareness of the effects of contamination on human health - „Victor Babeș” University of Medicine and Pharmacy from Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania

University – Education, Continuous professional training

2023

Project manager - CNFIS-FDI-2023-F-0448 Title: Augmentarea multifunctionalitatii bazei de practica in domeniul produselor vegetale medicinale prin inovare interdisciplinara cu transpunere in sfera digitala/ Increasing the multifunctionality of the practice base in the field of medicinal plant products through interdisciplinary innovation with transposition in the digital sphere - „Victor Babeș” University of Medicine and Pharmacy from Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania

University – Institutional Development

2023	Member – Progress plan specialist CNFIS-FDI-2023-F-0450 Title: Dezvoltarea continua a actiunilor antreprenoriale studentesti prin si pentru studenti si absolventi in cadrul UMFVBT / The continuous development of student entrepreneurial actions through and for students and graduates within the UMFVBT - „Victor Babeș” University of Medicine and Pharmacy from Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University – Institutional Development
2022 - 2024	Management team member, trainer team member ERASMUS 2022-1-RO01-KA220-HED-000088958 Title: Cooperation to Implement Innovative Methods for the Assessment of Medicinal Plants with central Roles in Pharmaceuticals, Agriculture and Nutrition „Victor Babeș” University of Medicine and Pharmacy from Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University – Education, Continuous professional training
2020 - 2022	Member – scientific researcher PN-III-P1-1.1-TE-2019-2134, acronim BAPRONIO Title: Redarea către piața dermocosmetica a unei formulari topice moderne cu acid betulinic încorporat in proniozomi, „Victor Babeș” University of Medicine and Pharmacy from Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University - Scientific Research
2022	Member – Innovation Manager CNFIS-FDI-2022-0484 Title: Implementation of modern techniques for the continuous development of the practice base in the field of medicinal plant products within UMF „Victor Babeș” Timisoara - „Victor Babeș” University of Medicine and Pharmacy from Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University – Institutional Development
2022	Member – Innovation Manager CNFIS-FDI-2022-0474 Title: Consolidation and development of student entrepreneurial activities through students and PhD students within UMFVBT - „Victor Babeș” University of Medicine and Pharmacy from Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University – Institutional Development
2021	Member - CNFIS-FDI-2021-0498 Title: Dezvoltarea bazei de practica in domeniul plantelor medicinale a Universitatii de Medicina si Farmacie „Victor Babeș” Timisoara / Development of the practice base in the field of medicinal plants „Victor Babeș” University of Medicine and Pharmacy from Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University – Institutional Development
2020-2021	Member – 1EXP/1233/30.01.2020 Title: Lupeol as bioactive natural compound in the local treatment of wounds and inflammation from mild to severe pathologies: experimental evaluations and market pre-proposal. University - Scientific Research
2019-2021	Management team member, trainer team member ERASMUS project 2019-1-RO01-KA203-063499 Title: Cooperation on innovation and exchange of good practice in the hypoglycemia diet for people with diabetes, „Victor Babeș” University of Medicine and Pharmacy Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University – Education, Continuous professional training
2019	Member - CNFIS-FDI-2019-0393 Title: Centru de dezvoltare profesională în domeniul produselor dermato-cosmetice pe bază de plante medicinale / Center for development of practical abilities in the field of dermo-cosmetic products based on medicinal plants „Victor Babeș” University of Medicine and Pharmacy Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University – Institutional Development
2018	Member - CNFIS-FDI-2018-0159 Title: Centru de dezvoltare a abilităților practice în domeniul plantelor medicinale/ Center for development of practical abilities in the field of medicinal plants „Victor Babeș” University of Medicine and Pharmacy Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University – Institutional Development
2017 - 2018	Member – Scientific researcher III-C5-PCFI-2017/2018-04, “Potențialul antiinflamator, chemopreventiv și antitumoral în cancerul mamar al unor extracte vegetale standardizate din Melissa officinalis L. in nanoformulări cu ciclodextrine” (Anti-inflammatory, chemopreventive and antitumoral potential in breast cancer of standardized plant extracts from Melissa officinalis L. in nanoformulations with cyclodextrins) – project value 135.000 lei University - Scientific Research
2016 - 2019	Metabolomics Responsible Axe 1 a POC - POC-A1- A1.1.4 – E-2015 - Utilizarea modelelor nutrigenomice pentru personalizarea tratamentelor dietetice in obezitate (The use of nutrigenomic models for personalization of dietetic treatments in obesity) (NUTRIGEN) – project value 8.805.149,00 lei „Victor Babeș” University of Medicine and Pharmacy from Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University – Health/Scientific Research
2016 - 2017	PIII – C4 – PCFI – 2016/2017 – 03 – ACRONIM : NANOCEL Evaluarea in vitro și in vivo a mecanismelor de moarte celulara indusă de nanoparticulele magnetice în nteracțiunea cu celulele tumorale – project value 135.000 lei „Victor Babeș” University of Medicine and Pharmacy Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University - Scientific Research

2016 - 2018	Member – Scientific researcher PN-III-P2-2.1-BG-2016-0354, Contract no 115/2016 – project value 450.000 lei Title - Formulări pe bază de betulină și nanoparticule de aur în combaterea procesului de îmbătrânire a pielii (Formulations based on betulin and gold nanoparticles to combat skin aging) „Victor Babeș” University of Medicine and Pharmacy Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University - Scientific research
2016 - 2018	Member – Scientific researcher PN-III-P2-2.1-BG-2016- 0455, Contract no 122/2016 – project value 440.001 lei Title: Formulări de avangardă pe bază de eugenol nanocapsulat cu adresabilitate în medicina dentară (Avant-garde formulations based on eugenol nanocapsules addressable in dentistry) „Victor Babeș” University of Medicine and Pharmacy Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania University - Scientific research
2012 - 2014	Chemist - Clinical Hospital CF Timisoara, 13-15 T. Vladimirescu, 300173, Timisoara, Timis, Romania Health - Hospital
2008 - 2011	Researcher National Project CNCIS PN II 62072/2008 Title: Hepatoprotective nanoparticles with high bioavailability (NanoHEPAT) „Politehnica” University of Timisoara, Victory Sq. 2, 300006, Timisoara, Timis, Romania University - Scientific Research
2007 - 2008	Project manager – National project CNCIS: PN II168 / 2007 Title: DNA/RNA markers and inhibitors „Politehnica” University of Timisoara, Victory Sq. 2, 300006, Timisoara, Timis, Romania University - Scientific Research
2007 - 2010	National Project CNCIS PN II 41070/2007 Title: Establishing protective action and the effects of stress and / or immunostimulatory of a new biologically active materials „Politehnica” University of Timisoara, Victory Sq. 2, 300006, Timisoara, Timis, Romania University - Scientific Research
2005 - 2011	PhD Student „Politehnica” University of Timisoara, Victory Sq. 2, 300006, Timisoara, Timis, Romania Education - University, Research
Main activities and responsibilities	Teaching activities – courses Drug industry and pharmaceutical biotechnology, Toxicology, Methodology of Scientific Research. Lecturer in the master program OTC drugs, dietary supplements, cosmetics; Lecturer in the master program Formulation and Evaluation of dermato-cosmetic product. Scientific research activities – Chemical/biochemical synthesis – Toxicology, <i>in vitro</i> and <i>in vivo</i> studies, obtaining and evaluation of vegetal extracts, active compounds and new formulations with impact on cancer, degenerative diseases, viral infections profilaxy/therapy.
Awards	CNCIS Awards – “ Rewarding research results – Articol Type” PN-III-P1-1.1-PRECISI-2021-58816; PN-III-P1-1.1-PRECISI-2021-58870; PN-III-P1-1.1-PRECISI-2021-59097; PN-III-P1-1.1-PRECISI-2021-58390; PN-III-P1-1.1-PRECISI-2021-59308; PN-III-P1-1.1-PRECISI-2021-56880; PN-III-P1-1.1-PRECISI-2020-47247; PN-III-P1-1.1- PRECISI-2020- 49179 ; PN-III-P1-1.1-PRECISI-2020-50047; PN-III-P1-1.1-PRECISI-2019-30519; PN-III-P1-1.1-PRECISI-2019-34566; PN-III-P1-1.1-PRECISI-2019-35052; PN-III-P1-1.1-PRECISI-2019-35812; PN-III-P1-1.1-PRECISI-2019-32196; PN-III-P1-1.1-PRECISI-2018-25367; PN-III-P1-1.1-PRECISI-2018-21558; PN-III-P1-1.1-PRECISI-2018-21896; PN-III-P1-1.1- PRECISI-2017-16345; PN-III-P1-1.1-PRECISI-2017-15878; PN-III-P1-1.1-PRECISI-2017-16931; PN-III-P1-1.1-PRECISI-2017-20175; PN-III-P1-1.1-PRECISI-2016-12614; Code CNCIS 250; Code CNCIS 515 Diploma of Excellence in Research – 3rd plase – for national and international publishing activity in research - „Victor Babeș” University of Medicine and Pharmacy Timisoara
Education and training	
2022	PhD Degree (SUMMA CUM LAUDE) (series J, no. 0056282, Order 3324/02.03.2022), Pharmacy ISCED 8 Faculty of Pharmacy / „Victor Babeș” University of Medicine and Pharmacy Timisoara
2012	PhD Degree (series H, no. 0018814, Order 5743/12.09.2012), Chemical Engineering ISCED 8 Faculty of Industrial Chemistry and Environmental Engineering / Politehnica University of Timisoara / Sept 2012
2022	Certificate – Methods validation and assurance of quality results in physicochemical analysis laboratories / December 2022 Certificate no: 21/AK-TAR/01/2023
2022	Certificate - Risk management according to SR EN ISO/IEC17025:2018 / November Certificate no: 1671/TAR-AK/12/2022
2022	Entrepreneurial competences – Graduation Certificate series R no 0002805, No. 55/23.03.2023
2022	Thresholds of toxicological concern – recent developments, Continuig Education course (CEC) 07, 18 September 2022 in line with the XVIth International Congress of Toxicology (ICT 2022)
2022	Manager of Quality Management Systems – Graduation Certificate series N no 0239204, No. 2395/31.05.2023
2021	Certificate – Internal Auditor course for testing and calibration laboratories according to SR EN ISO/IEC 17025:2018 and ISO 19011:2018 standards / December 2021 Certificate no: 1379/TAR-AK/12/2021

- 2021** Advance course in Toxicology - Certificate of participation (Annual Meeting of the German Society for Experimental and Clinical Pharmacology and Toxicology (DGPT) in cooperation with the AGAH) – Kategorie A/01.03.2021
- 2018** Master Degree (Series MA No 0150495), Pharmacy ISCED 7
Master Programme – Medicamente de tip OTC, suplimente alimentare, cosmetice / OTC drugs, food supplements, cosmetics
Faculty of Pharmacy / „Victor Babeş” University of Medicine and Pharmacy Timisoara / July 2018, No. 195/05.07.2019
- 2008** Certificate of graduation of psycho-pedagogical studies for the didactic profession (Series E, no 0035955; Series Ah, no 0013215)
Teacher Training Department / Politehnica University of Timisoara / April 2008, June 2022
- 2005** Engineer's Degree (Series E, no. 0020643), Chemistry, speciality Technology of Organic Substances ISCED 6
The main subjects studied: Synthetic drugs, Natural drugs, Organic and semisynthetic products, Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Reactions of Organic Compounds, Chromatographic Methods of Separation and Analysis, Chemistry of Macromolecular Compounds, Spectroscopic Methods of Structure Determination etc
Faculty of Industrial Chemistry and Environmental Engineering/Politehnica University of Timisoara/ June 2005, No. 57474/20.01.2006
- 1998** High school diploma (Series R, no. 0021288), real profile Mathematics-Physics ISCED 5 Calan Industrial Metallurgical School Group, July 1998

Personal skills and competences

Mother tongue

Romanian

Other languages

Self evaluation

English

French

Job-related skills

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Independent user	C1	Independent user	C1	Proficient user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user

Team spirit, motivation, creative spirit, excellent communication skills acquired as a result of teaching activities supported in various undergraduate, short-term, postgraduate study programs; participation in different national and international conferences; participation in research projects with foreign partners, creativity, dynamism, discipline, perseverance

The ability to communicate constructively in different social situations (to tolerate other points of view, to acknowledge individual and collective responsibility)

Skills of team coordinator, organizational spirit, ability to concentrate and plan, implement, coordinate, complete objectives or performance indicators proposed depending on the field and activity, ability to make decisions quickly and efficiently, responsibility and involvement in the activities conducted; ability to work under pressure, time management, conflict resolution, self-motivation and motivation of colleagues, teamwork, creativity, dynamism, discipline, perseverance, analytical thinking, ability to build relationships, efficiency, adaptability, openness, empathy.

Computer skills

Microsoft Office user (Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft Visio)
Advanced level, Specific analysis software

**Additional
informations**

Competencies: chemical/biochemical synthesis; UV-Vis, FTIR, HPLC, MS, NMR, SEM, TEM, TG/DTG/DTA etc. physicochemical techniques; preparation and evaluation of vegetal extracts, active compounds, and new formulations in cancer prophylaxis/therapy; in vitro molecular techniques (monolayer cells, reconstructed human tissue)

More than 85 ISI full articles in the field

h-index: 17 (WOS)

Total impact factor (articles as main author) – 132.05

17 institutional development, education, research projects - 2 in the field of medicinal chemistry (one project manager), 1 – in the field of medicine (metabolomics responsible), 14 – in the field of health (pharmacy, medicine).

Brainmap ID: U-1700-039D-1788; ORCID ID <https://orcid.org/0000-0003-2295-1926>

Invited review-er for: Food and Chemical Toxicology; Molecules; Materials; International Journal of Nanomedicine; International Journal of Molecular Sciences; Journal of Herbal Medicine; Antioxidants; Pharmaceutics; Antibiotics; Plants; Biomimetics; Drug Design, Development and Therapy

Guest Editor: Frontiers in Pharmacology, Toxics, Pharmaceutics

Member of: Federation of European Toxicologist & European Societies of Toxicology (EUROTOX), Romanian Society of Pharmaceutical Sciences (SSFR), Romanian Chemistry Society, Order of Biochemists, Biologists and Chemists of Health System in Romania

Authorization of free medical practice

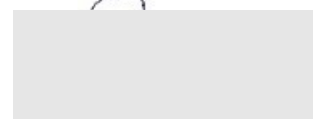
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Annex

Relevant publications

Timisoara,
September 2023



ANNEX

PUBLICATIONS LIST

Selection of ISI Full text original articles

1. Susan M, Macasoi I, **Pinzaru I**, Dehelean C, Ilia I, Susan R, Ionita I. In Vitro Assessment of the Synergistic Effect of Aspirin and 5-Fluorouracil in Colorectal Adenocarcinoma Cells. *Curr Oncol*. 2023 Jun 27;30(7):6197-6219. IF = 2.6
2. Gag O, Dinu Ș, Manea H, Marcovici I, **Pinzaru I**, Popovici R, Crăniceanu Z, Gyori Z, Iovănescu G, Chiriac S. UVA/UVB Irradiation Exerts a Distinct Phototoxic Effect on Human Keratinocytes Compared to Human Malignant Melanoma Cells. *Life*. 2023; 13(5):1144. <https://doi.org/10.3390/life13051144> IF = 3.2
3. Iliescu D, Marcovici I, Susan M, Susan R, **Pinzaru I**, Dumache R, Chiriac S. Phytochemical profile and analgesic activity of the leaf extract from plantago major L. *Farmacia* 2023; 71(3): 533-540. IF = 1.6
4. Draghici GA, Dehelean CA, Moaca AE, Moise ML, Pinzaru I, Vladut VN, Banatean-Dunea I, Nica D. Cadmium nitrate and DNA methylation in gastropods: comparison between ovotestis and hepatopancreas. *PeerJ*. 2023 Apr 13;11:e15032. doi: 10.7717/peerj.15032. PMID: 37073276; PMCID: PMC10106083. IF = 2.7
5. Gag O, Macasoi I, **Pinzaru I**, Dinu S, Popovici R, Cosoroaba M-R, Buzatu R, Cabuta M, Chiriac SD. In Vitro Assessment of the Impact of Ultraviolet B Radiation on Oral Healthy and Tumor Cells. *Photonics*. 2023; 10(4):464. <https://doi.org/10.3390/photonics10040464> IF = 2.4
6. Rednic R, Macasoi I, **Pinzaru I**, Dehelean CA, Tomescu MC, Susan M, Feier H. Pharmacological Assessment of the Combined Cytotoxic Effects of Digoxin and Betulinic Acid in Melanoma Cells. *Life (Basel)*. 2022 Nov 11;12(11):1855. doi: 10.3390/life12111855. IF = 3.2
7. Dehelean CA, Coricovac D, **Pinzaru I***, Marcovici I, Macasoi IG, Semenescu A, Lazar G, Cinta Pinzaru S, Radulov I, Alexa E, Cretu O. Rutin bioconjugates as potential nutraceutical prodrugs: An in vitro and in ovo toxicological screening. *Front Pharmacol*. 2022 Sep 23;13:1000608. doi: 10.3389/fphar.2022.1000608. IF = 5.6
8. Budu O, Banciu C, **Pinzaru I***, Sarău C, Lighezan D, Șoica C, Dehelean C, Drăghici G, Dolghi A, Prodea A, Mioc M. A Combination of Two Probiotics, *Lactobacillus sporogenes* and *Clostridium butyricum*, Inhibits Colon Cancer Development: An In Vitro Study. *Microorganisms*. 2022 Aug 23;10(9):1692. doi: 10.3390/microorganisms10091692. IF = 4.5
9. Dolghi A, Coricovac D, Dinu S, **Pinzaru I***, Dehelean CA, Grosu C, Chioran D, Merghes PE, Sarau CA. Chemical and Antimicrobial Characterization of *Mentha piperita* L. and *Rosmarinus officinalis* L. Essential Oils and In Vitro Potential Cytotoxic Effect in Human Colorectal Carcinoma Cells. *Molecules*. 2022 Sep 19;27(18):6106. doi: 10.3390/molecules27186106. PMID: 36144839; PMCID: PMC9505364 IF = 4.6
10. Rednic R, Marcovici I, Dragoi R, **Pinzaru I***, Dehelean CA, Tomescu M, Arnautu DA, Craina M, Gluhovschi A, Valcovici M, Manea A. In Vitro Toxicological Profile of Labetalol-Folic Acid/Folate Co-Administration in H9c2(2-1) and HepaRG Cells. *Medicina (Kaunas)*. 2022 Jun 10;58(6):784. doi: 10.3390/medicina58060784. PMID: 35744047; PMCID: PMC9229417. IF = 2.6
11. Kis AM, Macasoi I, Paul C, Radulescu M, Buzatu R, Watz CG, Cheveresan A, Berceanu D, **Pinzaru I**, Dinu S, Manea A, Poenaru M, Borza C, Dehelean CA. Methotrexate and Cetuximab-Biological Impact on Non-Tumorigenic Models: In Vitro and In Ovo Assessments. *Medicina (Kaunas)*. 2022 Jan 22;58(2):167. doi: 10.3390/medicina58020167. PMID: 35208492; PMCID: PMC8877801. IF = 2.6
12. Dolghi A, Buzatu R, Dobrescu A, Olaru F, Popescu GA, Marcovici I, **Pinzaru I**, Navolan D, Cretu OM, Popescu I, Dehelean CA. Phytochemical Analysis and In Vitro Cytotoxic Activity against Colorectal Adenocarcinoma Cells of *Hippophae rhamnoides* L., *Cymbopogon citratus* (D.C.) Stapf, and *Ocimum basilicum* L. Essential Oils. *Plants (Basel)*. 2021 Dec 14;10(12):2752. doi: 10.3390/plants10122752. PMID: 34961223; PMCID: PMC8704097.
13. Bociort F, Macasoi IG, Marcovici I, Motoc A, Grosu C, **Pinzaru I**, Petean C, Avram S, Dehelean CA. Investigation of Lupeol as Anti-Melanoma Agent: An In Vitro-In Ovo Perspective. *Curr Oncol*. 2021 Dec 2;28(6):5054-5066. doi: 10.3390/curroncol28060425. PMID: 34940064; PMCID: PMC8700590. IF = 3.109
14. **Pinzaru I**, Chioibas R, Marcovici I, Coricovac D, Susan R, Predut D, Georgescu D, Dehelean C. Rutin Exerts Cytotoxic and Senescence-Inducing Properties in Human Melanoma Cells. *Toxics*. 2021;11(1):152. DOI:10.3390/toxics9090226 IF = 4.472
15. Popescu R, Filimon MN, Vlad DC, Verdes D, Moatar A, Moise G, Guran K, Caraba IV, Petculescu Ciochina L, **Pinzaru I**, Dehelean CA, Dumitrescu G. Antiproliferative and antibacterial potential of tetrahexylammonium bromide based ionic liquids. *Exp Ther Med*. 2021; 22:672. doi:10.3892/etm.2021.10104, print ISSN: 1792-0981 Online ISSN: 1792-1015 IF = 2.751
16. Guran K, Buzatu R, **Pinzaru I***, Boruga M, Marcovici I, Coricovac D, Avram S, Poenaru M, Susan M, Susan R, Radu D, Dehelean CA. In Vitro Pharmacological Characterization of *Melissa officinalis* Total Extract Using Oral, Pharynx and Colorectal Carcinoma Cell Lines. *Processes*. 2021; 9(5):850. <https://doi.org/10.3390/pr9050850> IF = 3.352
17. Coricovac D, Dehelean CA, **Pinzaru I***, Mioc A, Aburel O-M, Macasoi I, Draghici GA, Petean C, Soica C, Boruga M, Vlaicu B, Muntean MD. Assessment of Betulinic Acid Cytotoxicity and Mitochondrial Metabolism Impairment in a Human Melanoma Cell Line. *International Journal of Molecular Sciences*. 2021; 22(9):4870. <https://doi.org/10.3390/ijms22094870> IF = 6.208
18. Danciu C, Cioanca O, Watz Farcaș C, Hancianu M, Racoviceanu R, Muntean D, Zupko I, Oprean C, Tatu C, Paunescu V, Proks M, Diaconeasa Z, Soica C, Pinzaru I, Dehelean C. Botanical Therapeutics (Part II): Antimicrobial and In Vitro Anticancer Activity against MCF7 Human Breast Cancer Cells of Chamomile, Parsley and Celery Alcoholic Extracts. *Anticancer Agents Med Chem*. 2021;21(2):187-200. doi: 10.2174/1871520620666200807213734. PMID: 33109067. IF = 2.505
19. **Pinzaru I**, Sarau C, Coricovac D, Marcovici I, Utescu C, Tofan S, Popovici RA, Manea HC, Pavel IE, Soica C, Dehelean C. Silver Nanocolloids Loaded with Betulinic Acid with Enhanced Antitumor Potential: Physicochemical Characterization and In Vitro Evaluation. *Nanomaterials*. 2021; 11(1):152. doi:10.3390/nano11010152 IF = 5.719

20. **Pinzaru I**, Tanase A, Enatescu V, Coricovac D, Bociort F, Marcovici I, Watz C, Vlaia L, Soica C, Dehelean C. Proniosomal Gel for Topical Delivery of Rutin: Preparation, Physicochemical Characterization and In Vitro Toxicological Profile Using 3D Reconstructed Human Epidermis Tissue and 2D Cells. *Antioxidants* (Basel). 2021 Jan 10;10(1): E85. DOI .3390/antiox10010085 IF = 7.675
21. Maghiari AL, Coricovac D, **Pinzaru IA***, Macasoi IG, Marcovici I, Simu S, Navolan D, Dehelean C. High concentrations of aspartame induce pro-angiogenic effects in ovo and cytotoxic effects in HT-29 human colorectal carcinoma cells. *Nutrients* 2020 IF = 5.719
22. Farcas CG; Macasoi I; **Pinzaru I***; Chirita M; Chirita Mihaila MC; Dehelean C; Avram S; Loghin F; Mocanu L; Rotaru V; Ieta A; Ercuta A; Coricovac D. Controlled Synthesis and Characterization of Micrometric Single Crystalline Magnetite with Superparamagnetic Behavior and Cytocompatibility/Cytotoxicity Assessments. *Front. Pharmacol.* 2020; 11:410. DOI: 10.3389/fphar.2020.00410 IF = 5.81
23. Șorop VB, Boruță VM, **Pinzaru IA***, Barac IR, Utescu C, Maghiari AL, Baderca F, Bălan L, Șorop-Florea M, Dumitrașcu V, Anastasiu DM, Simu S, Radu D, Suci O. Hormone treatment and UVB exposure influences on female mice regarding skin physiological parameters, biochemical parameters and organ histology. *Rom J Morphol Embryol.* 2020 Jul-Sep;61(3):879-887. doi: 10.47162/RJME.61.3.26. PMID: 33817729; PMCID: PMC8112757. IF = 1.033
24. Farcas CG, Dehelean C, **Pinzaru IA***, Mioc M, Socoliuc V, Moaca EA, Avram S, Ghiulai R, Coricovac D, Pavel I, Alla PK, Cretu OM, Soica C, Loghin F. Thermosensitive Betulinic Acid-Loaded Magnetoliposomes: A Promising Antitumor Potential for Highly Aggressive Human Breast Adenocarcinoma Cells Under Hyperthermic Conditions. *Int J Nanomedicine.* 2020 Oct 23; 15:8175-8200. doi: 10.2147/IJN.S269630. PMID: 33122905; PMCID: PMC7591238. IF = 6.4
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