

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) ELENA - DORINA CORICOVAC
Address Poiana Ruscai (9, Ap.2), 300314 Timisoara (Romania)
Mobile +40 743 092959
E-mail(s) dorinacoricovac@umft.ro
Nationality Romanian
Date of birth 2 April 1985

Desired employment / Occupational field / Research, teaching and medicine

Work experience

<p> Dates September 2016 – on going Occupation or position held Associate Professor Main activities and responsibilities Teaching activity and research: Course of Toxicology, Course of Biological Medicines, Course of Toxic Plants, Course of Pharmacovigilance, Course of Bioethics and Deontology, seminars of Methodology of Scientific Research, Public Health, and Medical Terminology Name and address of employer University of Medicine and Pharmacy Victor Babes Timisoara, Faculty of Pharmacy, Department of Toxicology Type of business or sector Health </p>	<p> Dates September 2014 – August 2016 Occupation or position held Lecturer Main activities and responsibilities Teaching activity and research: Course of Toxicology, Course of Biological Medicines, Course of Toxic Plants, Course of Pharmacovigilance, laboratories of Toxicology, seminars of Methodology of Scientific Research Name and address of employer "Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Department of Toxicology Type of business or sector Health </p>
<p> Dates February 2013 – September 2014 Occupation or position held Assistant Professor Main activities and responsibilities Teaching activity and research: laboratories of Toxicology and Pharmaceutical Chemistry, seminars of Methodology of Scientific Research Name and address of employer University of Medicine and Pharmacy Victor Babes Timisoara, Faculty of Pharmacy, Dept of Pharmaceutical Chemistry and Department of Toxicology Type of business or sector Health </p>	

Dates	October 2009 – February 2013
Occupation or position held	External Collaborator
Main activities and responsibilities	Teaching activity and research
Name and address of employer	University of Medicine and Pharmacy Victor Babes Timisoara, Faculty of Pharmacy, Dept of Pharmaceutical Chemistry and Department of Toxicology
Type of business or sector	Health
Education and formation	
Dates	12.05.2014- 07.12.2015
Title of qualification awarded	Postdoc, according to the Postdoc research contract no. 3976/12.05.2014 within the POSDRU project 159/1.5/S/136893, entitled: <i>Parteneriat strategic pentru creșterea calității cercetării științifice din universitățile medicale prin acordarea de burse doctorale și postdoctorale – DocMed.Net_2.0</i>
Name and type of organization providing education and training	University of Medicine and Pharmacy Victor Babes Timisoara, Faculty of Pharmacy Eftimie Murgu Sq, No.2, Timișoara (România) 300041
Dates	October 2014 – July 2015
Title of qualification awarded	Master in Pharmacovigilance – Centrul de Cercetari privind Informarea asupra Medicamentului
Name and type of organization providing education and training	„Iuliu Hatieganu” University of Medicine and Pharmacy Cluj - Napoca Pasteur street, No. 6, Cluj-Napoca (Romania) 400349
Dates	October 2013 – July 2014
Title of qualification awarded	Certificat for the graduation of the Level I and II of Psychopedagogy classes (certificate level I – series X , no. 0025105, certificate level II – series X, no. 0025470)
Name and type of organization providing education and training	Departamentul pentru Pregatirea Personalului Didactic, Universitatea de Vest din Timisoara
Dates	November 2009 – April 2013
Title of qualification awarded	ISCED 8 – PhD Diploma in Medicine, <i>Summa cum Laude</i> , thesis in co-tutary, under the coordination of Prof. Dr. Danina Muntean (“Victor Babeș” UMF Timișoara) and Prof. Dr. Bernhard Bruene (Institute of Biochemistry I, Goethe University, Frankfurt)
Name and type of organization providing education and training	University of Medicine and Pharmacy Victor Babes Timisoara Eftimie Murgu Sq, No.2, Timișoara (România) 300041
Dates	October 2004 - November 2009
Title of qualification awarded	ISCED 6 – Pharmacist Diploma
Name and type of organization providing education and training	University of Medicine and Pharmacy Victor Babes Timisoara, Faculty of Pharmacy Eftimie Murgu Sq, No.2, Timișoara (România) 300041

Dates

Title of qualification awarded

Name and type of organization providing education and training

September 2000 – July 2004

ISCED 5 - General Certificate of Education

„Gheorghe Titeica” Highschool, Drobeta Turnu-Severin, Mehedinti

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C1	Proficient user	C1	Proficient user	B2	Proficient user	B2	Proficient user	B1	Proficient user

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

- Very good communication skills, seriousness, receptivity to new information and abilities, team spirit, punctuality, synthesis and analysis capacity, coordination skills, evaluation and improvement skills, and ability to work in multidisciplinary national and international work teams, sustained by the following:

Post-graduate lecture participation:

- **Dubrovnik International Bioethics Summer School – DIBSS – „Bioethics in Science”, - 8-9.08.2016, Dubrovnik, Croatia**
- **Advanced Research Workshop – ” Translational Research in Mitochondria Disease” – 16.10.2015, Timișoara**
- **Workshop ”Integrarea Școlilor Doctorale în Rețele Europene” – 27-28.03.2015, Timișoara**
- **Formation courses ”Module pe teme orizontale” – 18-19.11.2014, Timișoara**
- **Lecture for writing HORIZON 2020 projects, 30.09 – 01.10. 2014, Timisoara**
- **Pharma Forum - Pharma Business Solutions, 16-17.02.2012, Timisoara**
- **Pharma Forum - Pharma Business Solutions, 24-25.02.2011, Timisoara**
- **“Rezistenta bacteriana la antibiotice – o imperativa a secolului nostru”, 26 – 28.11.2010, Timisoara**
- **“Oxidative Stress in cardiovascular pathology. New concepts concerning the role of reactive species generated at mitochondrial level”, 25.02–28.02.2010 (M 1), 04.03–06.03.2010 (M 2), Timisoara**
- **“Consilierea pacientilor in alegerea produselor destinate automedicatiei; Vitaminele, mineralele si oligoelementele – necesitati adaptate fiecarei varste”, 25.06.2009, Timisoara**

Attending Professional Societies

- Romanian Society Of Biochemistry and Molecular Biology affiliated to FEBS (Federation of European Biochemical Societies)
- Romanian Society for Physiological Sciences affiliated to FEPS (Federation of European Physiology Societies)
- Romanian Society of Cell Biology affiliated to ELSO (Extracorporeal Life Support Organisation) and IFCB (International Federation of Cell Biology)
- European Society of Clinical Investigation
- European Society of Toxicology

Technical skills and competences

International scholarship:

- Short Term Scientific Mission, **COST Action FA0602 Bioactive food components, mitochondrial function and health-MITOFood**. Reference code: COST-STSM-FA0602-6930 **Laboratory for Mitochondria Study, Department of Physiology, Wenner-Gren Institute, Stockholm, Sweden** – Supervisor Prof. Barbara Cannon: 06/09/2010 – 10/10/2010.
- 8 months of mobility at **Goethe-University Faculty of Medicine, Department of Biochemistry I, Frankfurt am Main, Germany** - Supervisor Prof. Bernhard Bruene: 01/10/2011 – 31/01/2012 and 01/04/2012 – 31/07/2012 .
- Training mobility for improving my skills in molecular biology techniques during Hungary-Romania Cross-Border Cooperation Programme 2007-2013, “*Twinning Project for the Joint Development of the Research Infrastructure*”- HURO-TWIN, cod 1101/082/2.2.1. Host Institute: **University of Szeged, Faculty of Medicine, Department of Pharmacology & Pharmacotherapy, Szeged, Hungary** (08.04.-12.04.2013,03.-07.06.2013, 15.07.-19.07.2013, 22.07.2013- 26.07.2013)

National scholarship:

PhD Fellowship within the POSDRU/1.5/88/S/ID project 63117 (2010-2013)

PostDoc Fellowship within the POSDRU 159/1.5/S/136893, with the title “Parteneriat strategic pentru creșterea calității cercetării științifice din universitățile medicale prin acordarea de burse doctorale și postdoctorale” – DocMed.Net_2.0.

AWARDS:

Best oral presentation award offered by Romanian Society of Physiology (BIOCOM) for the presentation entitled: “**A comparative study of liver mitochondrial respiration in adult vs. senescent rats**”, within the XXV th National Conference of Romanian Society of Physiology, held in Tg. Mures, Romania, from 26-28 May, 2011.

Award for “Young Reserchers” offered by Ralcom Exhibitions SRL during the 15th National Congress of Pharmacy, held in Iasi, Romania, from 24-27 September, 2014.

National Awards for Research and Publications offered by UEFISCDI – Premiera rezultatelor cercetarii

2013

- **PN-II-RU-PRECISI-2013-7-2538 - Gheorgheosu D, Jung M, Schmid T, Oren B, Dehelean C, Muntean D, Brüne B. Betulinic acid suppresses NGAL-induced epithelial-to-mesenchymal transition in melanoma.** *Biological Chemistry*, 2013, 394(6):773-81. IF 2.689
- **PN-II-RU-PRECISI-2013-7-2812 - Dehelean CA, Feflea S, Gheorgheosu D, Ganta S, Cimpean AM, Muntean D, and Amiji MM. Anti-Angiogenic and Anti-Cancer Evaluation of Betulin Nanoemulsion in Chicken Chorioallantoic Membrane and Skin Carcinoma in Balb/c Mice.** *J. Biomed. Nanotechnol.*, 2013, 9(4): 577-589. IF 7.578

2014

- **PN-II-RU-PRECISI-2014-8-6152 - Gheorgheosu D, Duicu O, Dehelean C, Soica C, Muntean D. Betulinic Acid as a Potent and Complex Antitumor Phytochemical: A Minireview.** *Anticancer Agents Med Chem.* 2014;14(7):936-45. IF 2.469
- **PN-II-RU-PRECISI-2014-8-6564 - Soica C, Danciu, Savoiu-Balint G, Borcan F, Ambrus R, Zupko I, Bojin F, Coricovac D, Ciurlea S, Avram S, Dehelean CA, Olariu T, Matusz P. Betulinic Acid in Complex with a Gamma-Cyclodextrin Derivative Decreases Proliferation and in Vivo Tumor Development of Non-Metastatic and Metastatic B16A5 Cells.** *Int. J. Mol. Sci.* 2014, 15(5), 8235-8255. IF 2.862
- **PN-II-RU-PRECISI-2014-8-6440 - Soica C, Oprean C, Borcan F, Danciu C, Trandafirescu C, Coricovac D, Crainiceanu Z, Dehelean CA, Bratu T. The synergistic biologic activity of oleanolic and ursolic acids in complex with hydroxypropyl-γ-cyclodextrin.** *Molecules* 2014, 19(4):4924-4940. IF 2.416

2015

- **PN-II-RU-PRECISI-2015-9-9490 - Danciu C, Oprean C, Coricovac DE* (* - corresponding author), Andreea C, Cimpean A, Radeke H, Soica C, Dehelean C. Behaviour of four different B16 murine melanoma cell sublines: C57BL/6J skin.** *Int J Exp Pathol.* 2015, 96(2):73-80. IF 2.168

2016

- **PN-III-P1-1.1-PRECISI-2016-12614** - Dehelean CA, Soica C, Pinzaru I, **Coricovac D**, Danciu C, Pavel I, Borcan F, Spandidos DA, Tsatsakis AM, Baderca F. **Sex differences and pathology status correlated to the toxicity of some common carcinogens in experimental skin carcinoma.** *Food Chem Toxicol.* 2016; 95:149-58. IF 3.584.
- 2017
- **PN-III-P1-1.1- PRECISI-2017-16345** - **Coricovac DE**, Moaca EA, Pinzaru I, Citu C, Soica C, Mihali CV, Pacurariu C, Tutelyan VA, Tsatsakis A, Dehelean CA. **Biocompatible Colloidal Suspensions Based on Magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Toxicological Profile.** *Front. Pharmacol.* 2017, doi.org/10.3389/fphar.2017.00154. IF = 3.831.
- 2018
- **PN-III-P1-1.1-PRECISI-2018-25824** - Mioc M, Pavel IZ, Ghiulai R, **Coricovac DE**, Farcaș C, Mihali CV, Oprean C, Serafim V, Popovici RA, Dehelean CA, Shtilman MI, Tsatsakis AM, Șoica C. **The Cytotoxic Effects of Betulin-Conjugated Gold Nanoparticles as Stable Formulations in Normal and Melanoma Cells.** *Front Pharmacol.* 2018; 9:429. doi: 10.3389/fphar.2018.00429. IF=3.831.
 - **PN-III-P1-1.1-PRECISI-2018-25367** - Pinzaru I, **Coricovac D*** (* equal contribution), Dehelean C, Moacă EA, Mioc M, Baderca F, Sizemore I, Brittle S, Marti D, Calina CD, Tsatsakis AM, Șoica C. **Stable PEG-coated silver nanoparticles - A comprehensive toxicological profile.** *Food Chem Toxicol.* 2018 Jan;111:546-556. doi: 10.1016/j.fct.2017.11.051. IF=3.977.
 - **PN-III-P1-1.1-PRECISI-2018-21558** - Munteanu MF, Ardelean A, Borcan F, Trifunșchi SI, Gligor R, Ardelean AS, **Coricovac D**, Pinzaru I, Andrica F, Borcan LC. **Mistletoe and Garlic Extracts as Polyurethane Carriers – A Possible Remedy for Choroidal Melanoma.** *Current Drug Delivery* 2017, 14. DOI: 10.2174/1567201814666170126113231. IF = 1.446

Research grants:

Director of a national grant financed by UEFISCDI: "Noi perspective privind mecanismul de acțiune al acidului betulinic ca agent antimelanom/ New insights into the antimelanoma mechanism of action of betulinic acid" – PN-III-P1-1.1-PD-2016-1982 – Proiecte de Cercetare Postdoctorală, competiția 2017.

Director of a national grant financed by UEFISCDI: "Profilul farmacocinetic și farmacodinamic in vitro și in vivo al unor nanoformulări cu compuși triterpenici cu efect antitumoral" – PN-II-RU-TE-2014-4-2842, proiect "Tinere Echipe de cercetare" competiția 2014.

Director of an internal grant financed by UMFVBT: **Competiția de granturi interne pentru tineri cercetători sub 35 de ani – PII-C2-TC-2014-16498-10:** „Evaluarea farmaco-toxicologica a efectelor acidului betulinic formulat ca nanoemulsie asupra procesului de progresie tumorală și metastazare observate la modelul animal de melanom cu xenogrefa umană” – MEL-BET

Member of an internal grant financed by UMFVBT: **COMPETIȚIA PARTENERIATE ÎN CERCETAREA FUNDAMENTALĂ INOVATIVĂ - PROGRAMUL III-C1-PCFI-2014/2015 – LYMPHANGIOTRANSFER**

Member of a national project financed by UEFISCDI - **CENTRU DE DEZVOLTARE A ABILITĂȚILOR PRACTICE ÎN DOMENIUL PLANTELOR MEDICINALE**, cod proiect CNFIS-FDI-2018-0159.

Member of a national grant financed by UEFISCDI - **PN-III-P4-IDPCE-2016-0765**, "Materiale avansate pe bază de nanoparticule magnetice de oxizi de fier obținute prin combustie și citotoxicitatea acestora utilizată în terapia cancerului"

Member of a national grant financed by UEFISCDI - **PN-III-P2-2.1-BG-2016-0354**, Contract de finanțare 115/2016. "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)"

Member of a national grant financed by UEFISCDI - **PN-III-P2-2.1-BG-2016- 0455**, Contract de finanțare 122/2016 - "Formulări de avangardă pe bază de eugenol nanocapsulat cu adresabilitate în medicina dentară (Avant-garde formulations based on eugenol nanocapsules addressable in dentistry)"

Member of a national grant financed by UEFISCDI - **PN-II-PT-PCCA-2013-4-0612, 110/2014** - Recuperarea avansată a produselor utile din deșeurile de catalizatori uzați"

Member of the international project **Hungary-Romania Cross-Border Cooperation Programme 2007-2013**, "Twinning Project for the Joint Development of the Research Infrastructure"- HURO-TWIN, code 1101/082/2.2.1.

Member of the international project **România-Ungaria** „Evaluarea impactului radiațiilor UV și al terapiei antitumorale asupra fibroblaștilor dermici și în cancerul cutanat experimental”, code 665/2013

(2013-2014).

Computer skills and competences

Microsoft Word, Powerpoint, Excel, GraphPad, CorelDRAW Graphics Suite, Accelrys Draw, Microplate Manager Software – Bio-rad, QuantStudio Design and Analysis Software, Gene Expression Macro (version 1.1), RTCA Software 1.2, Bio-Spectra Software.

Other skills and competences

- Respirometry at mitochondrial level studies using high resolution respirometry (OROBOROS Oxygraph-2k Instruments)
- Isolation of liver mitochondria from rat and mouse
- Isolation of skeletal muscle and brown adipose tissue mitochondria from mouse
- In vitro studies using tumor cell lines: cell culture, Flow Cytometry, qRT-PCR, Western Blot, immunofluorescence, xCELLigence System RTCA
- Development of experimental animal models of human and murine melanoma, and two-stage skin carcinoma

Research Areas of Interest:

- Antitumoral strategies at hepatic level
- Mitochondria as effector and end-target of protection in post-apoptotic cell injury
- Natural compounds with antitumoral effects
- Metallic particles (of micro and nano size) as carriers for anticancer drugs

Driving license(s)

B

Additional information

Participation to international and national conferences:

- 22nd Edition of International Conference on Nano Engineering & Technology 2018, 10-11 December 2018, Rome, Italy – poster
- 1st International Summer School of Medicinal Plant Pharmacology-Toxicology, 2-13 July 2018 Timișoara, România – organizer, oral presentation
- The 53rd Congress of the European Societies of Toxicology, EUROTOX, 10-13 September 2017, Bratislava, Slovakia - poster
- The 52nd Congress of the European Societies of Toxicology, EUROTOX, 4-7 September 2016, Sevilla, Spania - poster
- The 51st Congress of the European Societies of Toxicology, EUROTOX, 13-16 September 2015, Porto, Portugalia - poster
- The '49th Annual Scientific Meeting of the European Society for Clinical Investigation', ESCI, 27-30 May 2015, Cluj-Napoca - poster
- The National Congress of SRFP with international participation, 7-10 May 2015, Iasi – prezentare orala+poster
- Workshop ORPHEUS Integration of Romanian Doctoral Schools in European Networks, 27-28 March 2015, Timisoara, - prezentare orala
- The 5th World Congress on Targeting Mitochondria, 29-31 October 2014, Berlin – poster
- The 15th National Congress of Pharmacy from Romania, 24-27 september 2014, Iasi – oral presentation
- The 5th International Congress for Cell Biology, The 31st Annual Scientific Session of Romanian Society for Cell Biology, 5-9 June 2013, Timisoara – oral presentation
- Simpozionul Național: Contribuții ale Tinerilor Cercetătorinla Dezvoltarea Cercetării în Domeniul Medico-farmaceutic, 7-9 Noiembrie 2012, Iași – oral presentation
- Conference and Advanced Translational Research Workshop: Chronic Disease – From Pathogenesis to Therapy, 25-27 Octombrie 2012, Timișoara – oral presentation
- Quality Management in Medical Academic Research, 28-29 September, Timisoara – oral presentation
- The 75th Anniversary of Albert Szent-Györgyi's Nobel Prize Award, Szeged, Hungary, 22-25 March, 2012 - poster presentation

- The 22nd European Students' Conference: Perspectives and Challenges in Regenerative Medicine, Berlin, Germany, from 21th - 24th September 2011 – oral presentation
- The 13th DKMT Euroregional Conference on Integrative Medicine, Nutrition and Health, 8-10 September 2011, Timisoara – oral presentation
- Turkish – FEPS Physiology Congress, held in Istanbul, Turkey, from 3-7 September, 2011 – poster presentation
- TIMMEDICA International Congress, 16-18 June 2011, Timisoara – passive participant
- The XXV th National Conference of Romanian Society of Physiology, held in Tg. Mures, Romania, from 26-28 May, 2011 – oral presentation
- Symposium European Strategy for PhD Programs, 20-22 September 2010, Timisoara – poster presentation
- The 3 rd Conference of PhD Students in Medicine and Pharmacy, 7-9 July 2010, Tg. Mures – oral presentation
- Student's Scientific Congress, 12-13 February 2009, Szeged, Hungary – oral presentation

Published books:

Cristina A. Dehelean, Dorina Gheorgheosu, Daniela Ionescu, **Noțiuni de toxicologie generală**, Ed. Victor Babeș Timișoara, 2013 ISBN 978-606-8456-14-0.

Dorina-Elena Coricovac, Florina Maria Andrica, Sorina Alexandra Ciurlea, Iulia Pinzaru. **Elemente de toxicologie industrială și a mediului**, Ed. Victor Babeș Timișoara, 2014 ISBN 978-606-8456-30-0.

Chapters in international books:

Dorina E. Coricovac, Cristina A. Dehelean. Pathological Aspects with Global Impact Induced by Toxicants at Cellular Level, in: Toxicology Studies – Cells, Drugs and Environment, ed. Ana Cristina Andrezza and Gustavo Scola, Ed. InTech, 2015, ISBN 978-953-51-2140-4, pp. 3-21.

Avram S, Ghiulai R, Pavel IZ, Mioc M, Babuta R, Voicu M, **Coricovac D**, Danciu C, Dehelean C and Soica C. Phytocompounds Targeting Cancer Angiogenesis Using the Chorioallantoic Membrane Assay, in : Natural Products and Cancer Drug Discovery, ed. Farid A. Badria, 2017, ISBN 978-953-51-3314-8, pp. 45-66.

Soica C, Antal D, Andrica F, Babuta R, Moaca A, Ardelean F, Ghiulai R, Avram S, Danciu C, **Coricovac D**, Dehelean C and Paunescu V. Lupan-Skeleton Pentacyclic Triterpenes with Activity against Skin Cancer: Preclinical Trials Evolution, in: Unique Aspects of Anti-cancer Drug Development, ed. Jolanta Natalia Latosinska and Magdalena Latosinska, ISBN 978-953-51-3348-3, pp. 87-114.

Moaca EA, **Coricovac DE (corresponding author)**, Soica CM, Pinzaru I, Pacurariu CS and Dehelean CA. Preclinical Aspects on Magnetic Iron Oxide Nanoparticles and Their Interventions as Anticancer Agents: Eucleation, Apoptosis and Other Mechanism. In: Iron Ores and Iron Oxide Materials, Shatokha V (Ed), IntechOpen, 2018, pp: 229-254. 10.5772/intechopen.74176. ISBN: 978-1-78923-321-6

List of full-text articles published:

1. Coricovac D, Farcas C, Nica C, Pinzaru I, Simu S, Stoian D, Soica C, Proks M, Avram S, Navolan D, Dumitru C, Popovici RA, Dehelean CA. **Ethinylestradiol and Levonorgestrel as Active Agents in Normal Skin, and Pathological Conditions Induced by UVB Exposure: In Vitro and In Ovo Assessments**. Int J Mol Sci. 2018; 19(11). pii: E3600. doi: 10.3390/ijms19113600. IF=3.687.
2. Nica DV, Draghici GA, Andrica FM, Popescu S, Coricovac DE, Dehelean CA, Gergen II, Kovatsi L, Coleman MD, Tsatsakis A. **Short-term effects of very low dose cadmium feeding on copper, manganese and iron homeostasis: A gastropod**

- perspective.** Environ Toxicol Pharmacol. 2019; 65:9-13. doi: 10.1016/j.etap.2018.10.005. IF=2.776
3. Danciu C, Pinzaru I, Coricovac D* (corresponding author), Andrica F, Sizemore I, Dehelean C, Baderca F, Lazureanu V, Soica C, Mioc M, Radeke H. **Betulin silver nanoparticles qualify as efficient antimelanoma agents in in vitro and in vivo studies.** Eur J Pharm Biopharm. 2019 Jan;134:1-19. doi: 10.1016/j.ejpb.2018.11.006. IF=4.491
 4. Simu GM, Atchana J, Soica CM, Coricovac DE, Simu SC, Dehelean CA. **Pharmaceutical Mixtures: Still A Concern For Human And Environmental Health.** Curr Med Chem. 2018. doi: 10.2174/0929867325666181108094222. IF=3.469.
 5. Proks M, Borcan F, Cheveresan A, Pinzaru I, Guta BA, Coricovac D, Paunescu V, Lazureanu V. **Study on the Release and Bioevaluations of Green Silver Nanoparticles Entrapped Inside Polymer-based Nanovesicles.** Materiale Plastice 2018; 55(4): 696-699. IF= 1.248.
 6. Circioban D, Ledeti A, Vlase G, Coricovac D, Moaca A, Farcas C, Vlase T, Ledeti I, Dehelean C. **Guest-host interactions and complex formation for artemisinin with cyclodextrins: instrumental analysis and evaluation of biological activity.** Journal of Thermal Analysis and Calorimetry 2018, 134 (2): 1375-1384. doi: 10.1007/s10973-018-7411-8. IF= 2.209.
 7. Pinzaru I, Heghes A, Marti D, Dehelean C, Coricovac D, Moaca A, Moatar M, Camen D. **Therapeutically Potential of Medicago sativa Extracts Chemical and in vitro assessments.** Revista de Chimie 2018; 69(1): 121-124. IF= 1.412
 8. Coricovac D, Dehelean C, Moaca EA, Pinzaru I, Bratu T, Navolan D, Boruga O. **Cutaneous Melanoma-A Long Road from Experimental Models to Clinical Outcome: A Review.** Int J Mol Sci. 2018; 19(6). pii: E1566. doi: 10.3390/ijms19061566. IF=3.687.
 9. Mioc M, Avram S, Bercean V, Kurunczi L, Ghiulai RM, Oprean C, Coricovac DE, Dehelean C, Mioc A, Balan-Porcarasu M, Tatu C, Soica C. **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. IF=4.155.
 10. Moacă EA, Farcaș C, Ghițu A, Coricovac D* (* corresponding author), Popovici R, Cărăba-Meiță NL, Ardelean F, Antal DS, Dehelean C, Avram Ș. **A Comparative Study of Melissa officinalis Leaves and Stems Ethanolic Extracts in terms of Antioxidant, Cytotoxic, and Antiproliferative Potential.** Evid Based Complement Alternat Med. 2018; 2018:7860456. doi: 10.1155/2018/7860456. IF=2.064
 11. Mioc M, Pavel IZ, Ghiulai R, Coricovac DE, Farcaș C, Mihali CV, Oprean C, Serafim V, Popovici RA, Dehelean CA, Shtilman MI, Tsatsakis AM, Șoica C. **The Cytotoxic Effects of Betulin-Conjugated Gold Nanoparticles as Stable Formulations in Normal and Melanoma Cells.** Front Pharmacol. 2018; 9:429. doi: 10.3389/fphar.2018.00429. IF=3.831.
 12. Pinzaru I, Coricovac D* (* equal contribution), Dehelean C, Moacă EA, Mioc M, Baderca F, Sizemore I, Brittle S, Marti D, Calina CD, Tsatsakis AM, Șoica C. **Stable PEG-coated silver nanoparticles - A comprehensive toxicological profile.** Food Chem Toxicol. 2018 Jan;111:546-556. doi: 10.1016/j.fct.2017.11.051. IF=3.977.
 13. Pinzaru I, Heghes A, Marti D, Dehelean C, Coricovac D, Moaca A, Moatar M, Camen D. **Therapeutically Potential of Medicago sativa Extracts Chemical and in vitro assessments.** Revista de Chimie 2018; 69(1):121-124. IF=1.412.
 14. Coricovac DE, Moaca EA, Pinzaru I, Citu C, Soica C, Mihali CV, Pacurariu C, Tutelyan VA, Tsatsakis A, Dehelean CA. **Biocompatible Colloidal Suspensions Based on Magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Toxicological Profile.** Front. Pharmacol. 2017, doi.org/10.3389/fphar.2017.00154. IF = 3.831.
 15. Coricovac DE, Dehelean CA, Cseh L, Soica CM, Boglut A, Simu GM. **Evaluation of the Impact Induced by the Environmental Exposure to a Mixture of Organic Solvents on SKH1 Mice.** Farmacia 2017, 65(1):125-131. IF=1.507.
 16. Avram S, Coricovac DE* (* equal contribution), Pavel IZ, Pinzaru I, Ghiulai R, Baderca

- F, Soica C, Muntean D, Branisteanu DE, Spandidos DA, Tsatsakis AM, Dehelean CA. **Standardization of A375 human melanoma models on chicken embryo chorioallantoic membrane and Balb/c nude mice.** *Oncol Rep.* 2017; 38(1):89-99. IF=2.976
17. Marti D, Coricovac D* (* equal contribution), Pinzaru I, Isaia A, Susan R, Ionescu D, Suci O, Susan M, Lazureanu V. **Drug Delivery Systems for Lymphatic Uptake.** *Revista de Chimie* 2017; 68(12): 2902-2906. IF=1.412.
 18. Serafim V, Shah A, Puiu M, Andreescu N, Coricovac D* (* corresponding author), Nosyrev A, Spandidos DA, Tsatsakis AM, Dehelean C, Pinzaru I. **Classification of cancer cell lines using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and statistical analysis.** *Int J Mol Med.* 2017; 40(4):1096-1104. IF=2.784
 19. Mioc M, Soica C, Bercean V, Avram S, Balan-Porcarasu M, Coricovac D, Ghiulai R, Muntean D, Dehelean C, Spandidos DA, Tsatsakis AM, Kurunczi L. **Design, synthesis and pharmaco-toxicological assessment of 5-mercapto-1,2,4-triazole derivatives with antibacterial and antiproliferative activity.** *Int. J. Oncology* 2017, 1175-1183. DOI: 10.3892/ijo.2017.3912. IF = 3.018
 20. Munteanu MF, Ardelean A, Borcan F, Trifunsi SI, Gligor R, Ardelean AS, Coricovac D, Pinzaru I, Andrica F, Borcan LC. **Mistletoe and Garlic Extracts as Polyurethane Carriers – A Possible Remedy for Choroidal Melanoma.** *Current Drug Delivery* 2017, 14. DOI: 10.2174/1567201814666170126113231. IF = 1.446
 21. Andor B, Danciu C, Alexa E, Zupko I, Hogeia E, Cioca A, Coricovac D, Pinzaru I, Patrascu JM, Mioc M, Cristina RT, Soica C, Dehelean C. **Germinated and Ungerminated Seeds Extract from Two Lupinus Species: Biological Compounds Characterization and In Vitro and In Vivo Evaluations.** *Evidence-Based Complementary and Alternative Medicine*, 2016, doi:10.1155/2016/7638542. . IF 1.931
 22. Antal DS, Ardelean F, Pinzaru I, Borcan F, Ledeti I, Coricovac D, Zupko I, Baghdikian B, Ollivier E, Soica C, Bolinitineanu SI. **Effects of Cyclodextrin Complexation on the Anti-cancer Effects of Cotinus coggygria Extract and its Constituents, Butein and Sulfuretin.** *Revista de Chimie* 2016, 67(8): 1618-1622. IF 0.956.
 23. Antal DS, Pinzaru I, Borcan F, Marti TD, Ledeti I, Coricovac D, Schwaiger S, Stuppner H, Dehelean CA, Ollivier E, Soica C. **Inclusion Complexes of the Aurone Sulfuretin and the Chalcone Butein from Cotinus coggygria Wood in Two Cyclodextrin Types First data on physico-chemical properties.** *Revista de Chimie* 2016, 67(6): 1104-1109. IF 0.956.
 24. Trandafirescu C, Ledeti I, Coricovac DE, Soica CM, Pinzaru I, Dehelean CA, Iacob RE, Borcan F. **Optimization of Hollow Aliphatic Polyurethane Particles Used as a Drug Delivery System.** *Materiale Plastice* 2016, 53(2): 205-210. IF=0.903
 25. Berceanu MF, Pinzaru I, Bratu T, Crainiceanu Z, Ceuta L, Borcan F, Coricovac D, Citu C. **Evolution of Murine Melanoma in C57BL/6J Female Mice A non-invasive evaluation.** *Revista de Chimie* 2016, 67(1): 81-83. IF 0.956.
 26. Soica C, Coricovac D, Dehelean C, Pinzaru I, Mioc M, Danciu C, Fulias A, Puiu M, Sitaru C. **Nanocarriers as Tools in Delivering Active Compounds for Immune System Related Pathologies.** *Recent Pat Nanotechnol.* 2016;10(2):128-45. IF 1.576.
 27. Iftode A, Berceanu MF, Chioibas R, Motoc A, Crainiceanu Z, Bratu T, Coricovac D, Pinzaru I, Pavel IZ. **Experimental skin carcinoma by uvb application.** *Revista de Chimie* 2016, 67(10): 1970-1972. IF 0.956.
 28. Dehelean CA, Soica C, Pinzaru I, Coricovac D, Danciu C, Pavel I, Borcan F, Spandidos DA, Tsatsakis AM, Baderca F. **Sex differences and pathology status correlated to the toxicity of some common carcinogens in experimental skin carcinoma.** *Food Chem Toxicol.* 2016; 95:149-58. IF 3.584.
 29. Coricovac D, Soica C, Muntean D, Popovici RA, Dehelean CA, Hogeia E. **Assessment of the Effects Induced by Two Triterpenoids on Liver Mitochondria Respiratory Function Isolated from Aged Rats.** *Revista de Chimie* 2015, 66(10): 1707-1710. IF 0.81
 30. Citu IM, Coricovac D* (* - equal contribution), Kerti V, Duicu O, Privistirescu A, Ardelean S, Muntean D, Dehelean C. **Decreased respiratory function in liver**

- mitochondria isolated from healthy old rats.** *Farmacologia* 2015, 63(1): 99-103. IF 1.005
31. Coricovac D, Berceanu R, Bratu T, Muntean D, Soica C, Ciurlea S, Dehelean C. **Assessment of a murine melanoma model.** *Fiziologia – Physiology* 2015, 87(3): 21-24. **CNCSIS B+**
 32. Andrica FM, Draghici GA, Soica C, Pinzaru I, Coricovac D, Citu C, Dehelean C. **Antioxidant activity Assessment of ethanolic spirulina extracts.** *Revista de Chimie* 2016, 67(2):289-290. IF 0.81
 33. Simu GM, Coricovac D, Cseh L, Soica C, Borcan F, Ionescu D, Andoni M, Dragos D, Dehelean C. **Assessment of skin injuries induced by organic and inorganic phases of the Cosorb process by means of non-invasives techniques.** *Revista de Chimie* 2016, 67(2):291-296. IF 0.81
 34. Duicu OM, Scurtu I, Popescu R, Sturza A, Coricovac D, Danila MD, Privistirescu A, Muntean DM. **Assessment of the Effects of Methylene Blue on Cellular Bioenergetics in H9c2 Cells.** *Revista de Chimie* 2015, 66(4):519-522. IF 0.81
 35. Minda D, Pavel IZ, Borcan F, Coricovac D, Pinzaru I, Andrica F, Morgovan C, Nita LD, Soica C, Muntean D, Toma CC. **Beneficial Effects of a Lupeol-Cyclodextrin Complex in a Murine Model of Photochemical Skin Carcinoma.** *Revista de Chimie*, 2015, 66(3): 373-377. IF 0.81
 36. Danciu C, Oprean C, Coricovac DE* (* - corresponding author), Andreea C, Cimpean A, Radeke H, Soica C, Dehelean C. **Behaviour of four different B16 murine melanoma cell sublines: C57BL/6J skin.** *Int J Exp Pathol.* 2015, 96(2):73-80. IF 2.168
 37. Danciu C, Vlaia L, Fetea F, Hancianu M, Coricovac DE* (* - corresponding author), Ciurlea SA, Soica CM, Marincu I, Vlaia V, Dehelean CA, Trandafirescu C. **Evaluation of phenolic profile, antioxidant and anticancer potential of two main representants of Zingiberaceae family against B164A5 murine melanoma cells.** *Biol Res.* 2015; 48(1):1. IF 1.48
 38. Andrica FM, Marti DT, Pinzaru I, Coricovac D, Dehelean C, Dragan S. **Preliminary study on the evaluation of spirulina on TPA-induced mouse ear inflammation.** *Journal of Agroalimentary Processes and Technologies* 2015, 21(3):267-271, **CNCSIS B+**
 39. Andrica FM, Dehelean C, Serban MC, Pinzaru I, Coricovac D, Dragan S. **Acute Oral and Dermal Effects of Spirulina in Mice.** *Physiology* 2015, 86: 22-27. **CNCSIS B+**
 40. Minda D, Coricovac D, Muntean D, Dehelean C. **Anti-inflammatory and antitumoral mechanisms of action of lupeol.** *Medicine in Evolution* 2015, XXI (3): 380-386. ISSN: 2065-376X.
 41. Minda D, Coricovac D, Pinzaru I, Dehelean C, Borcan F, Muntean D. **Lupeol a potent anti-inflammatory agent in acute inflammation mouse ear model.** *Fiziologia – Physiology* 2015, 87(3): 25-28. **CNCSIS B+**
 42. Vlaia LL, Olariu IV, Coneac GH, Vlaia V, Coricovac D, Ardelean S, Ciurlea S. **Impact Of Ibuprofen At Skin Level – An In Vitro And In Vivo Study.** *Revista de Chimie*, 2014, 65(11):1346-1350. IF 0.81
 43. Danciu C, Coricovac DE* (* - equal contribution), Soica C, Dumitrascu V, Simu G, Antal D, Lajos K, Dehelean CA, Borcan F. **Evaluation of Skin Physiological Parameters in SKH1 Mice Experimental Model after Exposure to Aggressive Factors like UVB using Non-invasive Methods.** *Revista de Chimie* 2014, 65(10): 1195-1199, IF = 0.81
 44. Vlaia V, Pinzaru I, Coricovac D, Andoni M, Borcan F, Antal D. **Uptake Of Thallium By Medicinal Plants: First Data For Romanian Flora And Significance To Human Health.** *Revista de Chimie*, 2014, 65(10):1158-1162. IF 0.81
 45. Antal DS, Coricovac D, Soica CM, Ardelean F, Pinzaru I, Danciu C, Vlaia V, Toma C. **High Cadmium Content In Wild - Growing Medicinal Plants From South- Western Romania Unexpected Results Of A Survey On 29 Species.** *Revista de Chimie*, 2014, 65(9):1122-1125. IF 0.81
 46. Duicu O, Ciurlea S, Dehelean C, Ardelean S, Andrica F, Muntean D, Soica C, Antal D, Coricovac D* (* - corresponding author), Pinzaru I. **Analysis Of A Betulinic Acid**

- Formulation On Liver Mitochondria Isolated From Mice With Induced Murine Melanoma.** *Revista de Chimie*, 2014, 65(8):956-959. **IF 0.81**
47. Pinzaru I, Trandafirescu C, Szabadai Z, Mioc M, Ledeti I, Coricovac D, Ciurlea S, Ghiulai RM, Crainiceanu Z, Simu G. **Synthesis and Biological Evaluation of Some Pentacyclic Lupane Triterpenoid Esters.** *Revista de Chimie*, 2014, 65(7):848-851. **IF 0.81**
 48. Coricovac D, Dobrea C, Dehelean C, Duicu O, Muntean D, Noveanu L, Lighezan R. **The effects of Glycyrrhiza glabra L. total extract on liver mitochondrial respiratory function.** *Revista de Chimie*, 2014, 65(5):608-611. **IF 0.81**
 49. Kerti V, Coricovac D, Duicu O, Trancota S, Dănilă M, Fagadar-Cosma E, Muntean D, Dehelean C. **Modulation of Respiratory Function by 5,10,15,20-Tetrakis(N-methyl-4-pyridyl)Porphyrin-Zn(II) Tetrachloride in Isolated Rat Liver Mitochondria.** *Revista de Chimie*, 2014, 65(4):447-449. **IF 0.81**
 50. Gheorgheosu (Coricovac) D, Borcan F, Balasz NI, Soica CM, Simu G, Kemeny L, Dehelean CA. **Evaluation of skin parameters in C57BL/6J mice exposed to chemical and environmental factors using non-invasive methods.** *Journal of Agroalimentary Processes and Technologies*, 2014, 20(1): 14-20. **CNCSIS B+**
 51. Kerti V, Dănilă M, Coricovac D, Sturza A, Privistirescu A, Noveanu L, Duicu O, Muntean D. **Characterization of Respiratory Function of Liver Mitochondria Isolated From Elderly Zucker Fatty Rats.** *Bulletin UASVM Veterinary Medicine*, 2014, 71(1): 141-146, **CNCSIS B+**
 52. Gheorgheosu D, Duicu O, Dehelean C, Soica C, Muntean D. **Betulinic Acid as a Potent and Complex Antitumor Phytochemical: A Minireview.** *Anticancer Agents Med Chem.* 2014;14(7):936-45. **IF 2.469**
 53. Soica C, Danciu, Savoiu-Balint G, Borcan F, Ambrus R, Zupko I, Bojin F, Coricovac D, Ciurlea S, Avram S, Dehelean CA, Olariu T, Matusz P. **Betulinic Acid in Complex with a Gamma-Cyclodextrin Derivative Decreases Proliferation and in Vivo Tumor Development of Non-Metastatic and Metastatic B16A5 Cells.** *Int. J. Mol. Sci.* 2014, 15(5), 8235-8255. **IF 2.862**
 54. Soica C, Oprean C, Borcan F, Danciu C, Trandafirescu C, Coricovac D, Crainiceanu Z, Dehelean CA, Bratu T. **The synergistic biologic activity of oleanolic and ursolic acids in complex with hydroxypropyl-γ-cyclodextrin.** *Molecules*, 2014, 19(4):4924-4940. **IF 2.416**
 55. Gheorgheosu D, Jung M, Schmid T, Oren B, Dehelean C, Muntean D, Brüne B. **Betulinic acid suppresses NGAL-induced epithelial-to-mesenchymal transition in melanoma.** *Biological Chemistry*, 2013, 394(6):773-81. **IF 2.689**
 56. Dehelean CA, Feflea S, Gheorgheosu D, Ganta S, Cimpean AM, Muntean D, and Amiji MM. **Anti-Angiogenic and Anti-Cancer Evaluation of Betulin Nanoemulsion in Chicken Chorioallantoic Membrane and Skin Carcinoma in Balb/c Mice.** *J. Biomed. Nanotechnol.*, 2013, 9(4): 577-589. **IF 7.578**
 57. Duicu OM, Mirica SN, Gheorgheosu DE, Privistirescu AI, Fira-Mladinescu O, Muntean DM. **Ageing-induced decrease in cardiac mitochondrial function in healthy rats.** *Can J Physiol Pharmacol.*, 2013, 91(8):593-600. **IF 1.546**
 58. Fuliș A, Ledeti I, Vlase G, Popoiu C, Hegheș A, Bilanin M, Vlase T, Gheorgheosu D, Craina M, Ardelean S, Ferechide D, Mărginean O, Moș L. **Thermal behaviour of procaine and benzocaine Part II: compatibility study with some pharmaceutical excipients used in solid dosage forms.** *Chem Cent J.*, 2013, 7(1):140. **IF 1.663**
 59. Sturza A, Mirica SN, Duicu O, Gheorgheosu D, Noveanu L, Fira-Mladinescu O, Muntean DM. **Monoamine oxidase - A inhibition reverses endothelial dysfunction in hypertensive rat aortic rings.** *Rev Med Chir Soc Med Nat Iasi*, 2013, 117(1): 165-171.
 60. Duicu O, Gheorgheosu D, Mirica N, Trancotă S, Dehelean CA, Fira-Mladinescu O, Muntean D. **High-resolution respirometry with multiple substrates titration in permeabilized myocardial fibers.** *Rev Med Chir Soc Med Nat Iasi*, 2012, 116(1): 207-13 PMID: 23077897 [PubMed - indexed for MEDLINE]. <http://www.revmedchir.ro/index.php>.
 61. Gheorgheosu D, Kerti V, Duicu O, Mirică N, Dehelean C, Muntean D. **Standardization**

of the Rat Hepatic Mitochondria Isolation for the In Vitro Assessment of Mitochondrial Respiration. *Bulletin UASMV, Veterinary Medicine*, 2012, 69(1-2):101-106. **CNCSIS B+**

62. Gheorgheosu D, Dehelean C, Cristea M, Muntean D. **Development of the B16 Murine Melanoma Model.** *Annals of the Romanian Society for Cell Biology*, 2011, XVI (Issue 2), pp 148-156. **CNCSIS B+**.
63. Mitică S, Enache C, Savii C, Duicu O, Dudas Z, Henția C, Gheorghiu G, Gheorgheosu D, Ordodi V, Muntean D. **Studies in rat heart mitochondria isolated from hearts subjected to regional ischemia/reperfusion injury**, *Annals of the Romanian Society for Cell Biology*, 2010; XV (2): 182-187.

Full-text papers published in Proceedings:

1. Simu GM, Coricovac D, Cseh L, Soica C, Dehelean C. Toxicological evaluation of the organic phase resulted from the COSORB process. Proceedings of the 21st International Symposium on Analytical and Environmental Problems, 28 September 2015, p. 287-291.