



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

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, laboratories of Toxicology, seminars of Methodology of Scientific Research

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

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

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

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 cresterea calitatii 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 (certificat level I – series X , no. 0025105, certificat 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	Noiembrie 2009 – Aprilie 2013
Title of qualification awarded	ISCED 8 – PhD Diploma in Medicine, <i>Summa cum Laude</i> , thesis in co-tutory, 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 the Professional Societies

- Romanian Society Of Biochemistry and Molecular Biology afiliată la FEBS (Federation of European Biochemical Societies)
- Romanian Society for Physiological Sciences afiliată la FEPS (Federation of European Physiology Societies)
- Romanian Society of Cell Biology afiliată la ELSO (Extracorporeal Life Support

Technical skills and competences

- Organisation) and IFCB (International Federation of Cell Biology)
- European Society of Clinical Investigation
- European Society of Toxicology

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.

Research grants:

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" competitia 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 umana” – 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 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.

Driving license(s)

B

Additional information

Participation to international and national conferences:

- 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 orală+poster
- Workshop ORPHEUS Integration of Romanian Doctoral Schools in European Networks, 27-28 March 2015, Timisoara, - prezentare orală
- 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 3rd 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.

List of full-text articles published:

1. 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. doi: 10.3892/ijmm.2017.3083. IF=2.341
2. 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. doi: 10.3892/or.2017.5658. IF= 2.662
3. **Coricovac D**, Ples H, Pinzaru I, Ionescu D. Lymphatic Network in Cancer and Some Chemical Observations. *Revista de Chimie* 2017, 68(7): 1602-1606. IF 1.232
 4. Pavel IZ, Iftode OA, Pinzaru I, **Coricovac D**, Moaca A, Farcas C, Simu SC, Soica C, Dehelean C, Motoc A. Skin Specific Cells and UVB Damage An experimental assessment. *Revista de Chimie* 2017, 68(6): 1229-1233. IF 1.232
 5. **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 = 4.418.
 6. **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. *Farmacologia* 2017, 65(1):125-131. IF=1.162.
 7. 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
 8. 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
 9. 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
 10. 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 coggygia Extract and its Constituents, Butein and Sulfuretin. *Revista de Chimie* 2016, 67(8): 1618-1622. IF 0.956.
 11. 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 coggygia Wood in Two Cyclodextrin Types First data on physico-chemical properties. *Revista de Chimie* 2016, 67(6): 1104-1109. IF 0.956.
 12. 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
 13. 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.
 14. 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.
 15. 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.
 16. 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.
 17. **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

18. 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. *Farmacia* 2015, 63(1): 99-103. IF 1.005
19. **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+
20. 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
21. 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
22. 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
23. 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
24. 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
25. Danciu C, Vlaia L, Fetea F, Hancianu M, **Coricovac DE*** (* - corresponding author), Ciurlea SA, Şoica 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
26. 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+
27. 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+
28. 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.
29. 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+
30. 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
31. 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
32. 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
33. 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
34. 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

35. 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
36. **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
37. 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
38. **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+
39. 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+
40. **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
41. 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 B164A5 Cells. *Int. J. Mol. Sci.* 2014, 15(5), 8235-8255. IF 2.862
42. 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
43. **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
44. 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
45. 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
46. Fuliaş A, Ledeti I, Vlase G, Popoiu C, Hegheş A, Bilanin M, Vlase T, **Gheorgheosu D**, Craina M, Ardelean S, Ferechide D, Mărginean O, Moş 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
47. 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.
48. 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>.
49. **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 UASVM, Veterinary Medicine*, 2012, 69(1-2):101-106. CNCSIS B+

50. **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+.
51. 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.