

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)

CORICOVAC Elena - Dorina

Address

Mobile

+40 743 092959

E-mail(s)

dorinacoricovac@umft.ro

Nationality

Română

Date of birth

Work experience

Dates

Occupation or position held

Main activities and responsibilities

September 2016 – on going

Associate Professor

Teaching activity and research: Course of Toxicology, Course of Biological Medicines, Course of Toxic Plants, Course of Pharmacovigilance, Course of Bioethics and Deontology, Course of Homeopathic medicines and veterinary drugs, Course of Pharmaceutical and Medical Terminology, seminars of Methodology of Scientific Research, Public Health, and Medical and Pharmaceutical Terminology

Name and address of employer

“Victor Babes” University of Medicine and Pharmacy Timisoara (UMFVBT), Faculty of Pharmacy Department of Toxicology and Drug Industry, 2 Eftimie Murgu Sq, 300041 Timisoara, Romania
Education and Health

Type of business or sector

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

Oct. 2009 – Sept. 2016

Lecturer (Sept. 2014 – Sept. 2016), Assistant Professor (Febr. 2013 – Sept. 2014), External Collaborator (Oct. 2009 – Febr. 2013)

Teaching and research

“Victor Babes” University of Medicine and Pharmacy Timisoara (UMFVBT), Faculty of Pharmacy, Department of Toxicology and Drug Industry, 2 Eftimie Murgu Sq, 300041 Timisoara, Romania

Education and Health

Education and formation

Dates

Title of qualification awarded

Name and type of organization

providing education and training

ISCED level

2018-2020

Master – Biotehnologii fitofarmaceutice

Facultatea de Horticultură și Silvicultură, USAMVBT “Regele Mihai I al României” din Timișoara
Calea Aradului Nr.119, 300645, Timișoara

ISCED 7

Dates

Title of qualification awarded

Name and type of organization

providing education and training

12.05.2014- 07.12.2015

Postdoc, according to the Postdoc research contract no. 3976/12.05.2014 within the POSDRU project 159/1.5/S/136893, entitled: *Parteneriat strategic pentru creșterea calității cercetării științifice din universitățile medicale prin acordarea de burse doctorale și postdoctorale – DocMed.Net_2.0*

“Victor Babes” University of Medicine and Pharmacy Timisoara (UMFVBT), Faculty of Pharmacy, 2 Eftimie Murgu Sq, 300041 Timisoara, Romania

Dates

Title of qualification awarded

Name and type of organization

providing education and training

ISCED level

October 2014 – July 2015

Master in Pharmacovigilance – Centrul de Cercetari privind Informarea asupra Medicamentului,

„Iuliu Hatieganu” University of Medicine and Pharmacy Cluj – Napoca, 6 Pasteur street, 400349 Cluj-Napoca (Romania)

ISCED 7

Dates

Title of qualification awarded

October 2013 – July 2014

Name and type of organization providing education and training

Certificate 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)
 Departamentul pentru Pregatirea Personalului Didactic, Universitatea de Vest din Timisoara

Dates
 Title of qualification awarded

November 2009 – April 2013
 PhD Diploma in Medicine, *Summa cum Laude*, thesis in co-tutary, under the coordination of Prof. Dr. Danina Muntean (“Victor Babeş” UMF Timişoara) and Prof. Dr. Bernhard Bruene (Institute of Biochemistry I, Goethe University, Frankfurt)
 “Victor Babeş” University of Medicine and Pharmacy Timisoara (UMFVBT), Faculty of Pharmacy, 2 Eftimie Murgu Sq, 300041 Timisoara, Romania
ISCED 8

Dates
 Title of qualification awarded

October 2004 - November 2009
 ISCED 6 – Pharmacist Diploma
 Faculty of Pharmacy, “Victor Babeş” University of Medicine and Pharmacy Timisoara (UMFVBT), 2 Eftimie Murgu Sq, 300041 Timisoara, Romania

Personal skills and competences

Mother tongue(s)	Romanian				
Other language(s) Self-assessment <i>European level (*)</i>	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C Proficient 1 user	C Proficient 1 user	C Proficient 1 user	C Proficient 1 user	C Proficient 1 user
French	C Proficient 1 user	C Proficient 1 user	B Proficient 2 user	B Proficient 2 user	B Proficient 1 user

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

Professional and communication skills and abilities

- Very good communication skills, seriousness, ability to assimilate new information and practical skills, team spirit, punctuality, ability to synthesize and analyze
- coordination skills, spirit of evaluation and improvement, capacity for self-improvement, ability to work in national and international multidisciplinary teams

Professional qualification: Pharmacist (since 2009), Doctor in Medicine (since 2013).

Interdisciplinary scientific research activity - research areas of interest:

- Antitumor strategies at the hepatic / cellular level
- Mitochondria as effector and final target in protection in case of post-apoptotic cell damage
- Natural compounds with antitumor action
- Metal particles (micro and nano) as a drug-carrier for antitumor compounds
- Mechanisms of action involved in cellular apoptosis
- Animal models of skin cancer (melanoma) and breast cancer.

Research activity: H Index: 17 (Web of Science), 20 (Google Scholar)

Teaching professional experience: Lecturer at the Master's Degree within the Faculty of Pharmacy of UMFVBT: compulsory course (14 courses / 14 LP) „Medicamente de tip OTC; suplimente alimentare, cosmetice” (since 2016 - present)

Participation in national and international events with oral and poster presentations

Administrative skills and competences

Coordination and participation in research project teams: project director (5 - 3 national projects, 1 - UMFVBT internal grant, 1 - UMFVBT grant manager), **member in international projects** (3), **member in national projects** (7)
Scientific responsible – FITOSCIENCE platform

Organization of national / international scientific events: "1st International Summer School of Medicinal Plant Pharmacology-Toxicology, 2-13 July 2018 Timișoara and 2 workshops.

Activities specific to the academic environment:

- Member of the **Board of the Faculty of Pharmacy** (2016-2020)
- Member of the **Board of the Second Department of the Faculty of Pharmacy** (2021 -)
- Member of the **Ethics Commission of UMFVBT** (2016 - present)
- Member of the **DEACE Commission of the UMFVBT** (secretary - 2016-2020; member - 2021)
- Member of the **Scientific Committee of the UMFVBT Scientific Vice-Rectorate** (2020 -)
- Chairman of the **Ethics Committee of the Faculty of Pharmacy** (2018 - present)
- Member of the **Admission / License Commissions at the Faculty of Pharmacy** and of the **Committees for the position / promotion in academic positions** (since 2016 - present)

Technical competences

Respirometry studies at mitochondrial level 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 healthy and tumor cell lines: cell culture, 3D reconstructed tissues, Flow Cytometry, qRT-PCR, Western Blot, immunofluorescence, xCELLigence System RTCA, ELISA; **Development of experimental animal models** of human and murine melanoma, two-stage skin carcinoma and breast cancer; **in vitro toxicological applications:** substance toxicity regulations, toxicological investigations and screening.

Additional information

Member of professional societies: SSFR, EUROTOX, ESCI, CNFR

International scholarships: Short Term Scientific Mission, COST Action FA0602 Bioactive food components, mitochondrial function and health-MITOFood, **Department of Physiology, Wenner-Gren Institute, Stockholm, Sweden** – Supervisor Prof. Barbara Cannon: 06/09/2010 – 10/10/2010; **Goethe-University Faculty of Medicine, Department of Biochemistry I, Frankfurt am Main, Germany** - Supervisor Prof. Bernhard Bruene: 01/10/2011 – 31/01/2012 și 01/04/2012 – 31/07/2012; **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 Scholarships: PhD scholarship - POSDRU/1.5/88/S/ID 63117 (2010-2013); Postdoc scholarship - POSDRU 159/1.5/S/136893

Awards:

- **Best oral presentation award offered by Romanian Society of Physiology (BIOCOM) 2011**
- **Award for "Young Researchers" offered by Ralcom Exhibitions SRL during the 15th National Congress of Pharmacy, held in Iasi, Romania, from 24-27 September 2014**
- **National awards - Award of research results - UEFISCDI for published articles (15)**

ANNEX I. RESEARCH ACTIVITY

Research grants

Director national project: "Redarea către piața dermocosmetică a unei formulări topice moderne cu acid betulinic încorporat în proniozomi"- **BAPRONIO**"- PN-III-P1-1.1-TE-2019-2134, **Programul 1 – Dezvoltarea Sistemului Național de Cercetare - Dezvoltare, Subprogramul 1.1. Resurse Umane – "Proiecte de cercetare pentru stimularea tinerelor echipe independente", competiția 2019.**

Director national grant: "Noi perspective privind mecanismul de acțiune al acidului betulinic ca agent antimelanom" – PN-III-P1 1.1-PD-2016-1982 – **Proiecte de Cercetare Postdoctorală, competiția 2017.**

Director national grant: "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, **project "Tinere Echipe de cercetare" competition 2014.**

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

Manager UMFVBT grant: COMPETIȚIA PARTENERIATE ÎN CERCETAREA FUNDAMENTALĂ INOVATIVĂ - PROGRAMUL III-C1-PCFI-2014/2015 – LYMPHANGIOTRANSFER

Member in the national grant - CNFIS-FDI-2021-0498 - Dezvoltarea bazei de practică în domeniul plantelor medicinale a UMF Victor Babeș Timișoara / Development of the practice base in the field of medicinal plants of the "Victor Babes" University of Medicine and Pharmacy Timisoara

Member in the national grant - PN-III-P2-2.1-PED2019-3067 Nanobiostructuri inovatoare bazate pe nanoparticule ferimagnetice conjugate cu ciclodextrine pentru creșterea eficacității și reducerea toxicității în terapia cancerului prin hipertermie SP-magnetica (2020 - 2023)

Member in the international grant - ERASMUS project 2019-1-RO01-KA203-063499 - Cooperation on innovation and exchange of good practice in the hypoglycemia diet for people with diabetes (2019 - 2021)

Member in the national grant - CNFIS-FDI-2019-0393 "Centru de dezvoltare profesională în domeniul produselor dermato-cosmetice pe bază de plante medicinale" - 2019

Member in the national grant - CENTRU DE DEZVOLTARE A ABILITĂȚILOR PRACTICE ÎN DOMENIUL PLANTELOR MEDICINALE, project code CNFIS-FDI-2018-0159.

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

Member in the international grant: 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.

Member in the international grant: România-Ungaria cu departamentul de Dermatologie la Universității din Szeged, titlul: Evaluarea impactului radiațiilor UV și al terapiei antitumorale asupra fibroblaștilor dermici și în cancerul cutanat experimental, cod contract 665/2013 perioada 2013-2014.

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 Pînzaru. **Elemente de toxicologie industrială și a mediului**, Ed. Victor Babeș Timișoara, 2014 ISBN 978-606-8456-30-0.

Dorina Coricovac, Cristina Dehelean, Iulia Pînzaru, Alina Moacă. **NOI ASPECTE ÎN CEEA CE PRIVEȘTE UTILIZAREA PLANTELOR TOXICE**. Editura Victor Babeș, 2018, 200 pagini ISBN 978-606-786-107-5

Iulia Pînzaru, **Dorina Coricovac**, Codruța Șoica. **GHID DE BUNE PRACTICI ÎN OBȚINEREA PRINCIPIILOR ACTIVE VEGETALE**. Editura Victor Babeș, 2018, 150 pagini ISBN 978-606-786-106-8

Cristina Dehelean, **Dorina Coricovac**, Iulia Pînzaru. **MIC ÎNDRUMĂTOR DE EVALUARE EXPERIMENTALĂ A PRINCIPIILOR ACTIVE DIN PLANTE**. Editura Victor Babeș, 2018, 155 pagini, ISBN 978-606-786-105-1

Rezumate manifestari in cadrul proiectului CNFIS – FDI – 2018 – 0159 - **Siguranța produselor pe bază de plante medicinale** / Ed. Cristina A. Dehelean, Iulia Pînzaru, **Dorina Coricovac** - Timișoara : Editura Victor Babeș, 76 pag, 2018 ISBN 978-606-786-104-4

Chapter books published in international publishing companies:

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: Enucleation, 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

Costică Caizer, Cristina Dehelean, **Dorina Elena Coricovac**, Isabela Simona Caizer, Codruta Șoica. Magnetic Nanoparticle Nanoformulations for Alternative Cancer Therapy by Magnetic/Superparamagnetic Hyperthermia. In: Nanoformulations in Human Health, S. Talegaonkar, M. Rai (eds.), Springer Nature Switzerland AG 2020, https://doi.org/10.1007/978-3-030-41858-8_19

Full-text published articles (2016 - 2021):

1. Pinzaru I, Chioibas R, Marcovici I, **Coricovac D* (corresponding author)**, Susan R, Predut D, Georgescu D, Dehelean C. **Rutin Exerts Cytotoxic and Senescence-Inducing Properties in Human Melanoma Cells**. *Toxics*. 2021; 9(9):226. doi: 10.3390/toxics9090226. IF=4.146
2. Blidisel A, Marcovici I, **Coricovac D* (corresponding author)**, Hut F, Dehelean CA, Cretu OM. **Experimental Models of Hepatocellular Carcinoma-A Preclinical Perspective**. *Cancers* 2021; 13(15), doi: 10.3390/cancers13153651. IF=6.639.
3. **Coricovac D**, Dehelean CA, Pinzaru I, Mioc A, Aburel OM, 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**. *Int J Mol Sci*. 2021; 22(9):4870. doi: 10.3390/ijms22094870. IF=5.923
4. 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 Pharmacotoxicological Characterization of Melissa officinalis Total Extract Using Oral, Pharynx and Colorectal Carcinoma Cell Lines**. *Processes* 2021; 9(5), doi: 10.3390/pr9050850. IF=2.847
5. Hut EF, Radulescu M, Pilut N, Macasoi I, Berceanu D, **Coricovac D**, Pinzaru I, Cretu O, Dehelean C. **Two Antibiotics, Ampicillin and Tetracycline, Exert Different Effects in HT-29 Colorectal Adenocarcinoma Cells in Terms of Cell Viability and Migration Capacity**. *Curr Oncol*. 2021; 28(4):2466-2480. doi: 10.3390/curroncol28040225. IF= 3.677
6. Simu S, Marcovici I, Dobrescu A, Malita D, Dehelean CA, **Coricovac D**, Olaru F, Draghici GA, Navolan D. **Insights into the Behavior of Triple-Negative MDA-MB-231 Breast Carcinoma Cells Following the Treatment with 17 β -Ethinylestradiol and Levonorgestrel**. *Molecules*. 2021; 26(9):2776. doi: 10.3390/molecules26092776. IF=4.411
7. Sipos S, Moacă EA, Pavel IZ, Avram Ș, Crețu OM, **Coricovac D**, Racoviceanu RM, Ghiulai R, Pană RD, Șoica CM, Borcan F, Dehelean CA, Crăiniceanu Z. **Melissa officinalis L. Aqueous Extract Exerts Antioxidant and Antiangiogenic Effects and Improves Physiological Skin Parameters**. *Molecules*. 2021; 26(8):2369. doi: 10.3390/molecules26082369. IF=4.411
8. Marcu A, Nitusca D, Vaduva A, Baderca F, Cireap N, **Coricovac D**, Dehelean CA, Seclaman E, Ilina R, Marian C. **Long Non-Coding RNA Expression in Laser Micro-Dissected Luminal A and Triple Negative Breast Cancer Tissue Samples-A Pilot Study**. *Medicina (Kaunas)*. 2021; 57(4):371. doi: 10.3390/medicina57040371. IF=2.430
9. Pancu DF, Scurtu A, Macasoi IG, Marti D, Mioc M, Soica C, **Coricovac D**, Horhat D, Poenaru M, Dehelean C. **Antibiotics: Conventional Therapy and Natural Compounds with Antibacterial Activity-A Pharmacotoxicological Screening**. *Antibiotics (Basel)*. 2021; 10(4):401. doi: 10.3390/antibiotics10040401. IF=4.639
10. Dehelean CA, Marcovici I, Soica C, Mioc M, **Coricovac D**, Iurciuc S, Cretu OM, Pinzaru I. **Plant-Derived Anticancer Compounds as New Perspectives in Drug Discovery and Alternative Therapy**. *Molecules*. 2021; 26(4):1109. doi: 10.3390/molecules26041109. IF=4.411
11. Maghiari AL, **Coricovac D (# - equal contribution)**, Pinzaru IA, Macașoi 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;12(12):3600. doi: 10.3390/nu12123600. IF=5.717
12. Iftode A, Drăghici GA, Macașoi I, Marcovici I, **Coricovac DE* (corresponding author)**, Dragoi R, Tischer A, Kovatsi L, Tsatsakis AM, Cretu O, Dehelean C. **Exposure to cadmium and copper triggers cytotoxic effects and epigenetic changes in human colorectal carcinoma HT-29 cells**. *Exp Ther Med*. 2021;21(1):100. doi: 10.3892/etm.2020.9532. IF=2.447
13. Pinzaru I, Tanase A, Enatescu V, **Coricovac D* (corresponding author)**, 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;10(1):85. doi: 10.3390/antiox10010085. IF = 6.312
14. Pinzaru I, Sarau C, **Coricovac D* (corresponding author)**, 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 (Basel)*. 2021; 11(1):152. doi: 10.3390/nano11010152. IF = 5.076
15. Macasoi I, Pavel IZ, Moaca AE, Avram S, David VL, **Coricovac D* (corresponding author)**, Mioc A, Spandidos DA; Tsatsakis A, Soica C, Dumitrascu V, Dehelean C. **Mechanistic investigations of antitumor activity of a Rhodamine B-oleanolic acid derivative bioconjugate**. *Oncology Reports* 2020, 44(3): 1169-1183. doi: 10.3892/or.2020.7666. IF 3.417
16. Dehelean CA, Lazureanu V, **Coricovac D* (corresponding author)**, Mioc M, Oancea R, Marcovici I, Pinzaru I, Soica C, Tsatsakis AM, Cretu O. **SARS-CoV-2: Repurposed Drugs and Novel Therapeutic Approaches-Insights into Chemical Structure-Biological Activity and Toxicological Screening**. *J Clin Med* 2020; 9(7):E2084. doi: 10.3390/jcm9072084. IF 4.241
17. 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.** *Frontiers in pharmacology* 2020, 11, 410. <https://doi.org/10.3389/fphar.2020.00410>. IF =5.810
18. Racoviceanu R, Trandafirescu C, Voicu M, Ghiulai R, Borcan F, Dehelean C, Watz C, Aigner Z, Ambrus R, **Coricovac DE**, Cîrcioban D, Mioc A, Szuhaneck CA, Şoica C. **Solid Polymeric Nanoparticles of Albendazole: Synthesis, Physico-Chemical Characterization and Biological Activity.** *Molecules.* 2020;25(21):5130. doi: 10.3390/molecules25215130. IF =4.412
 19. Ghiulai R, Avram S, Stoian D, Pavel IZ, **Coricovac D**, Oprean C, Vlase L, Farcas C, Mioc M, Minda D, Motoc A, Szuhaneck C, Danciu C, Soica C, Sima L. **Lemon Balm Extracts Prevent Breast Cancer Progression In Vitro and In Ovo on Chorioallantoic Membrane Assay.** *EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE* 2020, 2020. doi: 10.1155/2020/6489159. IF=2.629
 20. Putz AM, Ianasi C, Dudas Z, **Coricovac D**, Watz C, Len A, Almasy L, Sacarescu L, Dehelean C. **SiO₂-PVA-Fe(acac)₃ Hybrid Based Superparamagnetic Nanocomposites for Nanomedicine: Morpho-textural Evaluation and In Vitro Cytotoxicity Assay.** *Molecules* 2020, 25(3). doi: 10.3390/molecules25030653. IF =4.411
 21. Simu GM, Atchana J, Soica CM, **Coricovac DE**, Simu SC, Dehelean CA. **Pharmaceutical Mixtures: Still A Concern for Human and Environmental Health.** *CURRENT MEDICINAL CHEMISTRY* 2020, 27(1): 121-153. doi: 0.2174/092986732566681108094222. IF=4.53.
 22. Trandafirescu C, Ledeti I, Soica C, Ledeti A, Vlase G, Borcan F, Dehelean C, **Coricovac D**, Racoviceanu R, Aigner Z. **Albendazole-cyclodextrins binary systems Thermal and spectral investigation on drug-exciptent interaction.** *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY* 2019, 138(5): 3039-3054. doi: 10.1007/s10973-019-08326-1. IF 2.731.
 23. Balean OI, Floare AD, Focht R, Jumanca D, **Coricovac D* (corresponding author)**, Pinzaru I, Galuscan A, Chioran D, Cheveresan A, Podariu AC. **Comparative Effects of Oral and Injectable Bisphosphonates in Primary Human Gingival Fibroblasts.** *Revista de Chimie* 2019, 70 (9): 3325-3329. IF 1.755
 24. Moaca EA, Farcas C, **Coricovac D* (corresponding author)**, Avram S, Mihali CV, Draghici GA, Loghin F, Pacurariu C, Dehelean C. **Oleic Acid Double Coated Fe₃O₄ Nanoparticles as Anti-Melanoma Compounds with a Complex Mechanism of Activity-In Vitro and In Ovo Assessment.** *JOURNAL OF BIOMEDICAL NANOTECHNOLOGY* 2019; 15(5): 893-909. doi: 10.1166/jbn.2019.2726. IF 4.483.
 25. Mioc A, Mioc M, Ghiulai R, Voicu M, Racoviceanu R, Trandafirescu C, Dehelean C, **Coricovac D**, Soica C. **Gold Nanoparticles as Targeted Delivery Systems and Theranostic Agents in Cancer Therapy.** *CURRENT MEDICINAL CHEMISTRY* 2019, 26(35): 6493-6513. IF 4.184
 26. Buda V, Andor M, Cristescu C, Tomescu MC, Muntean DM, Baibata DE, Bordejevic DA, Danciu C, Dalleur O, **Coricovac D**, rainiceanu Z, Tudor A, Ledeti I, Petrescu L. **Thrombospondin- I Serum Levels In Hypertensive Patients With Endothelial Dysfunction After One Year Of Treatment With Perindopril.** *DRUG DESIGN DEVELOPMENT AND THERAPY* 2019, 13: 3515-3526. IF 3.216.
 27. Buda V, Andor M, Baibata DE, Cozlac R, Radu G, **Coricovac D**, Danciu C, Ledeti I, Cheveresan A, Nica C, Tuduce TP, Tomescu MC. **Decreased sEng plasma levels in hypertensive patients with endothelial dysfunction under chronic treatment with Perindopril.** *DRUG DESIGN DEVELOPMENT AND THERAPY* 2019; 13: 1915-1924. doi: 10.2147/DDDT.S186378. IF 3.216.
 28. Popovici RA, Vaduva D, Pinzaru I, Dehelean CA, Farcas CG, **Coricovac D**, Danciu C, Popescu I, Alexa E, Lazureanu V, Stanca HT. **A comparative study on the biological activity of essential oil and total hydro-alcoholic extract of *Satureja hortensis* L.** *EXPERIMENTAL AND THERAPEUTIC MEDICINE* 2019; 18(2): 932-942. doi: 10.3892/etm.2019.7635. IF 1.785.
 29. Nicolov M, Ghiulai RM, Voicu M, Mioc M, Duse AO, Roman R, Ambrus R, Zupko I, Moaca EA, **Coricovac DE**, Farcas C, Racoviceanu RM, Danciu C, Dehelean CA, Soica C. **Cocrystal Formation of Betulinic Acid and Ascorbic Acid: Synthesis, Physico-Chemical Assessment, Antioxidant, and Antiproliferative Activity.** *FRONTIERS IN CHEMISTRY* 2019; 7: 92. doi: 10.3389/fchem.2019.00092. IF 3.693.
 30. 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 3.292
 31. 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 4.604.
 32. Balean OI, Galuscan A, Jumanca D, Farcas C, **Coricovac D**, Chioran D, Lazureanu V, Podariu AC. **In vitro Effect of Bisphosphonates on Squamous Cell Carcinoma from Tongue Tissue.** *REVISTA DE CHIMIE* 2019; 70(2): 663-666. IF 1.755.
 33. Tuta-Sas I, Proks M, Paunescu V, Pinzaru I, Sas I, **Coricovac D**, Moaca A, Dehelean C. **Thymus vulgaris extract formulated as cyclodextrin complexes: synthesis, characterization, antioxidant activity and in vitro cytotoxicity assessment.** *FARMACIA* 2019; 67(3): 442-451. IF 1.607.

34. **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 4.183.
35. 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 1.393.
36. 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 2.471
37. **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 4.183.
38. 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 3.782
39. 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 1.984.
40. 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 3.845.
41. 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 3.775.
42. 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 1.605.
43. **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.
44. **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.
45. 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
46. Marti D, **Coricovac D* (* equal contribution)**, Pinzaru I, Isaia A, Susan R, Ionescu D, Suciuc O, Susan M, Lazureanu V. **Drug Delivery Systems for Lymphatic Uptake**. *Revista de Chimie* 2017; 68(12): 2902-2906. IF 1.412.
47. 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
48. 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 1.412.
49. 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 3.333.
50. 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 2.078
51. 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 1.740

52. 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 1.232**
53. 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 1.232**
54. 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=0.778**
55. 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 1.232**
56. Soica C, **Coricovac D* (* equal contribution)**, Dehelean C, Pinzaru I, Mioc M, Danciu C, Fulas 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 0.912**
57. 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 1.232**
58. 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 3.778.**
59. 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 1.232**
60. 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 1.232**

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