

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)

Address

Mobile

E-mail(s)

Nationality

Date of birth

CORICOVAC Elena - Dorina

+40 743 092959

dorinacoricovac@umft.ro

Romanian

2 April 1985

Work experience

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

October 2024 -

Professor

Teaching and research activity: Courses at the Faculty of Pharmacy, Pharmacy Assistance, and Medical Cosmetology: Biological medicines, Cosmetovigilance, Dermato-cosmetic Toxicology, Pharmacovigilance concepts, Courses and seminars in Master's programs and Doctoral School; scientific research activity.

University Clinic of Toxicology, pharmaceutical industry, management and legislation, Faculty of Pharmacy, "Victor Babeș" University of Medicine and Pharmacy Timișoara (UMFVBT), Eftimie Murgu Square no. 2, Timișoara 300041, Romania.

Education and Health

September 2016 – September 2024

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

"Victor Babeș" University of Medicine and Pharmacy Timișoara (UMFVBT), Faculty of Pharmacy Department of Toxicology, Drug Industry, Management and Legislation, 2 Eftimie Murgu Sq, 300041 Timișoara, Romania

Education and Health

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 Babeș" University of Medicine and Pharmacy Timișoara (UMFVBT), Faculty of Pharmacy, Department of Toxicology and Drug Industry, 2 Eftimie Murgu Sq, 300041 Timișoara, Romania

Education and Health

Education and formation

Dates

Title of qualification awarded

Name and type of organization providing education and training

Dates

Title of qualification awarded

Name and type of organization providing education and training

ISCED level

December 2023

Habilitation in Pharmacy, PhD coordinator, OMEC 6848/21.12.2023

"Victor Babeș" University of Medicine and Pharmacy Timișoara (UMFVBT), 2 Eftimie Murgu Sq, 300041 Timișoara, Romania

2018-2020

Master – Phytopharmaceutical biotechnologies

Faculty of Horticulture and Silviculture, USAMVBT "Regele Mihai I al României" din Timișoara, 119 Calea Aradului, 300645, Timișoara

ISCED 7

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: *Parteneriat strategic pentru creșterea calității cercetării științifice din universitățile medicale prin acordarea de burse doctorale și postdoctorale – DocMed.Net_2.0*
 Name and type of organization providing education and training
 “Victor Babes” University of Medicine and Pharmacy Timisoara (UMFVBT), Faculty of Pharmacy, 2 Eftimie Murgu Sq, 300041 Timisoara, Romania

Dates
October 2014 – July 2015
 Title of qualification awarded
Master in Pharmacovigilance
 Name and type of organization providing education and training
 „Iuliu Hatieganu” University of Medicine and Pharmacy Cluj – Napoca, 6 Pasteur street, 400349 Cluj-Napoca (Romania)
 ISCED level
ISCED 7

Dates
October 2013 – July 2014
 Title of qualification awarded
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)
 Name and type of organization providing education and training
 Teacher Training Department, West University of Timișoara, 4 Vasile Pârvan Boulevard, 300223 Timișoara, Romania

Dates
November 2009 – April 2013
 Title of qualification awarded
PhD Diploma in Medicine, Summa cum Laude
 Name and type of organization providing education and training
 “Victor Babes” University of Medicine and Pharmacy Timisoara (UMFVBT), Faculty of Pharmacy, 2 Eftimie Murgu Sq, 300041 Timisoara, Romania
 ISCED level
ISCED 8

Dates
October 2004 - November 2009
 Title of qualification awarded
ISCED 6 – Pharmacist Diploma
 Name and type of organization providing education and training
 Faculty of Pharmacy, “Victor Babes” 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
 European level (*)

English

Understanding		Reading		Speaking		Writing	
Listening				Spoken interaction		Spoken production	
C Proficient	C Proficient	C Proficient	C Proficient	C Proficient	C Proficient	C Proficient	C Proficient
1 user	1 user	1 user	1 user	1 user	1 user	1 user	1 user

French

C Proficient	C Proficient	C Proficient	C Proficient	B Proficient
1 user	1 user	1 user	1 user	2 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: 26 (Web of Science), 26 (Scopus), 31 (Google Scholar)

Teaching professional experience: Lecturer at the Master's Degree within the Faculty of Pharmacy of UMFVBT: compulsory course (14 courses / 14 LP) „OTC medicines, food supplements, cosmetics” (since 2016 - 2022); "Cosmetology and dermatopharmacy"

Participation to national and international events - oral and poster presentations

Administrative competences

skills

and

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 (10)

Scientific responsible – FITOSCIENCE platform

Coordination of student activities – coordinator of bachelor's theses (students in the Pharmacy RO, Pharmacy FR, and Pharmacy Assistance Lugoj - ASF programs), coordinator of dissertation theses and scientific works presented by students at national and international scientific events.

Organization of national / international scientific events and acting as scientific evaluator: "1st International Summer School of Medicinal Plant Pharmacology-Toxicology, 2-13 July 2018 Timișoara, 2nd International Summer School for development of Fitoscience platform, 31 July – 4 August, 2021, Timișoara, Romania and 7 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 - 2022)
- Member of the **Ethics Commission of UMFVBT** (2016 - 2022)
- Member of the **Department for Evaluation and Assurance of Educational Quality (DEACE) Commission of the UMFVBT** (secretary - 2016-2020; member – 2021-2022)
- Member of the **Scientific Committee within the UMFVBT Scientific Vice-chancellorship** (2020 -2022)
- President of the **Ethics Committee of the Faculty of Pharmacy** (2018 - 2022)
- President of the **Bioethics Committee of the Faculty of Pharmacy** (2018 -2020)
- President of the **Scientific Research Committee of the Faculty of Pharmacy** (2019 - 2020)
- Member of the **Admission /Bachelor/ Master Assertion Committees the Faculty of Pharmacy** and of the **Committees for the position / promotion in academic positions** (since 2016 - 2022)
- Member of the **Internal Verification and Validation Committee for PhD theses and habilitation theses within the CSUD – "Victor Babeș" University of Medicine and Pharmacy** (30.09.2024 - present)
- Member of the **Council for Doctoral University Studies (CSUD, 2024 - present)**
- Member of the **Evaluation Committee for Expenses within the Council for Doctoral University Studies** (January 2025 - 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

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 Reserchers” 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 (25)**

Member of the editorial board of Timișoara Medical Journal - TMJ.

ANNEX I. RESEARCH ACTIVITY

Research grants

National project director: “Redarea către piața dermocosmetică a unei formulări topice moderne cu acid betulinic încorporat în proniozomi/ Delivery to the dermocosmetic market of a modern topical formulation with betulinic acid encapsulated in proniosomes – **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/ Young Researchers Teams”, competition 2019.

National project director: “Noi perspective privind mecanismul de acțiune al acidului betulinic ca agent antimelanom/ New insights into the antimelanoma mechanism of action of betulinic acid - MELBA” – **PN-III-P1 1.1-PD-2016-1982** – **Postdoctoral Research projects, competition 2017.**

National project director: “Profilul farmacocinetic și farmacodinamic in vitro și in vivo al unor nanoformulări cu compuși triterpenici cu efect antitumoral/ In vitro and in vivo evaluation of phamacokinetic and pharmacodynamic profile of triterpenic compounds nanoformulations with antitumoral effect - NANOBET” – **PN-II-RU-TE-2014-4-2842**, **project “Tinere Echipe de cercetare/ Young Researchers Teams” competition 2014.**

UMFVBT internal grant director: **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.

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

Member of the national project - "Internships for students prepared for the challenges of tomorrow," SMIS code 317682, APEL code: PEO/71/PEO_P7/OP4/ESO4.5/PEO_A49, 2024-2026.

Member of the national grant - CNFIS-FDI-2022-0484, title: Implementation of modern techniques for the continuous development of the practice base in the field of medicinal plant products within UMF „Victor Babes” Timisoara - „Victor Babeș” University of Medicine and Pharmacy Timisoara

Member of 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 of 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 of 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 of the national grant - CNFIS-FDI-2019-0393 “Centru de dezvoltare profesională în domeniul produselor dermato-cosmetice pe bază de plante medicinale/ Center for development of practical abilities in the field of dermo-cosmetic products based on medicinal plants „Victor Babeș” University of Medicine and Pharmacy Timisoara” - 2019

Member of the national grant – CNFIS-FDI-2018-0159 “Centru de dezvoltare a abilităților practice în domeniul plantelor medicinale/ Center for development of practical abilities in the field of medicinal plants „Victor Babeș” University of Medicine and Pharmacy Timisoara”

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

Member of 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 of the international grant: Proiect bilateral 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

Dehelean CA, Pinzaru I, **Coricovac D**. **Siguranta produselor pe baza de plante medicinale / Safety of medicinal plants products** (Abstract Book). Ed "Victor Babes" Timisoara, 2018. ISBN: 978-606-786-155-6

Dehelean CA, Pinzaru I, **Coricovac D**. **Produsele dermo-cosmetice ca formulare. Testarea sigurantei produselor cosmetice / Dermo-cosmetic products as formulations. Safety testing of cosmetic products** (Abstract Book). Ed "Victor Babes" Timisoara, 2020. ISBN: 978-606-786-253-9

Dehelean CA, Pinzaru I, **Coricovac D**. **Plantele între natură și sănătate / plants between nature and health** (Abstract Book). Ed "Victor Babes" Timisoara, 2021. ISBN: 978-606-786-253-9

Chapter books published in international publishing companies:

Coricovac DE, Dehelean CA. Pathological Aspects with Global Impact Induced by Toxicants at Cellular Level, in: Toxicology Studies – Cells, Drugs and Environment, ed. Ana Cristina Andreeza 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

Caizer C, Dehelean D, **Coricovac DE**, Caizer IS, Șoica C. 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.

Coricovac DE, Pinzaru IA, Dehelean CA. N-Acetyl-L-cysteine. In: Encyclopedia of Toxicology (Fourth Edition), Philip Wexler (ED), Academic Press 2024, pp: 601-609. ISBN 9780323854344, <https://doi.org/10.1016/B978-0-12-824315-2.01155-6>.

Full-text published articles:

1. Iftode C, Iurciuc S, Marcovici I, Macasoi I, **Coricovac D**, Dehelean C, Ursoniu S, Rusu A, Ardelean S. Genistein-Aspirin Combination Exerts Cytotoxic and Anti-Migratory Effects in Human Colorectal Cancer Cells. Life (Basel). 2024 May 9;14(5):606. doi: 10.3390/life14050606. IF =3.2

2. Iftode C, Olariu I, Chioran D, **Coricovac D**, Geamantan A, Borza C, Ursoniu S, Ardelean S. Farmacie 2024; 72(1):28-43. Doi: 10.31925/farmacia.2024.1.3. **IF = 1.4**
3. Kardaras G, Marcovici I, Rusu D, Dehelean C, **Coricovac D**, Iorio-Siciliano V, Sculean A, Stratul SI. In-Vitro Safety Evaluation of Sodium Hypochlorite (NaOCl) as Part of Step 2 and Maintenance Therapy Protocols in Patients with Periodontitis Stages III-IV. Oral Health Prev Dent. 2023 Mar 15;21(1):103-112. doi: 10.3290/j.ohpd.b4009557. **IF = 1.6**
4. Ghiulai R, Mioc M, Racoviceanu R, Prodea A, Milan A, **Coricovac D**, Dehelean C, Avram Ș, Zamfir AD, Munteanu CVA, Ivan V, Șoica C. Structural Investigation of Betulinic Acid Plasma Metabolites by Tandem Mass Spectrometry. Molecules. 2022; 27(21):7359. doi: 10.3390/molecules27217359 **IF=4.6**
5. Dehelean CA, **Coricovac D (# - equal contribution)**, Pinzaru I, Marcovici I, Macasoi IG, Semenescu A, Lazar G, Cinta Pinzaru S, Radulov I, Alexa E, Cretu O. Rutin bioconjugates as potential nutraceutical prodrugs: An in vitro and in ovo toxicological screening. Front Pharmacol. 2022; 13:1000608. doi: 10.3389/fphar.2022.1000608. **IF = 5.6**
6. Dolghi A, **Coricovac D (# - equal contribution)**, Dinu S, Pinzaru I, Dehelean CA, Grosu C, Chioran D, Merghes PE, Sarau CA. Chemical and Antimicrobial Characterization of Mentha piperita L. and Rosmarinus officinalis L. Essential Oils and In Vitro Potential Cytotoxic Effect in Human Colorectal Carcinoma Cells. Molecules. 2022 Sep 19;27(18):6106. doi: 10.3390/molecules27186106. **IF = 4.6**
7. Marcovici I, **Coricovac D (# - equal contribution)**, Pinzaru I, Macasoi IG, Popescu R, Chioibas R, Zupko I, Dehelean CA. Melanin and Melanin-Functionalized Nanoparticles as Promising Tools in Cancer Research-A Review. Cancers (Basel). 2022; 14(7):1838. doi: 10.3390/cancers14071838. **IF = 5.2**
8. Alexa VT, Galuscan A, Soica CM, Cozma A, **Coricovac D**, Borcan F, Popescu I, Mioc A, Szuhaneck C, Dehelean CA, Jumanca D. In Vitro Assessment of the Cytotoxic and Antiproliferative Profile of Natural Preparations Containing Bergamot, Orange and Clove Essential Oils. Molecules. 2022 Feb 1;27(3):990. doi: 10.3390/molecules27030990. **IF=4.6**
9. Bratu LM, Marcovici I, Macasoi I, Manea A, Niculescu B, Olaru F, Heghes A, Dehelean C, **Coricovac D**. IN VITRO INSIGHTS REGARDING THE ROLE OF MELANIN IN MELANOMA CELLS' RESPONSE TO BETULINIC ACID TREATMENT. Farmacia 2022, 70(1): 8-16. doi: 10.31925/farmacia.2022.1.2 **IF = 1.6**
10. Floare AD, Scurtu AD, Balean OI, Chioran D, Buzatu R, Rosianu RS, Alexa VT, Jumanca D, Rusu LC, Racea RC, **Coricovac D**, Pinzaru I, Dehelean CA, Galuscan A. The Biological Effects of Ozone Gas on Soft and Hard Dental Tissues and the Impact on Human Gingival Fibroblasts and Gingival Keratinocytes. Processes 2021, 9(11). doi: 10.3390/pr9111978 **IF=3.352**
11. 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 = 4.472**
12. 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= 3.109**
13. 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 = 6.575.**
14. 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 Pharmac-Toxicological Characterization of Melissa officinalis Total Extract Using Oral, Pharynx and Colorectal Carcinoma Cell Lines. Processes 2021; 9(5), doi: 10.3390/pr9050850. **IF=3.352**
15. 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 17β-Ethinylestradiol and Levonorgestrel. Molecules. 2021; 26(9):2776. doi: 10.3390/molecules26092776. **IF=4.927**
16. **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 = 6.208**
17. 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 Pharmac-Toxicological Screening. Antibiotics (Basel). 2021; 10(4):401. doi: 10.3390/antibiotics10040401. **IF=5.222**
18. 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=4.927**
19. Marcu A, Nitusca D, Vaduva A, Baderca F, Cireap N, **Coricovac D**, Dehelean CA, Seclaman E, Ilină 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=2.948**

20. 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=4.927**
21. Iftode A, Drăghici GA, Macașoi I, Marcovici I, **Coricovac DE* (corresponding author)**, Dragoi R, Tischler 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=2.751**
22. 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 = 7.675**
23. 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 = 5.719**
24. 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**
25. Racoviceanu R, Trandafirescu C, Voicu M, Ghiulai R, Borcan F, Dehelean C, Watz C, Aigner Z, Ambrus R, **Coricovac DE**, Cîrcioabă D, Mioc A, Szuhaneck CA, Șoica 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**
26. 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-oleandric acid derivative bioconjugate. *Oncology Reports* 2020, 44(3): 1169-1183. doi: 10.3892/or.2020.7666. **IF = 3.906**
27. 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 = 4.242**
28. 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**
29. 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. doi: 10.3389/fphar.2020.00410. **IF = 5.811**
30. 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**
31. Farcas CG, Dehelean C, Pinzaru IA, Mioc M, Socoliuc V, Moaca EA, Avram S, Ghiulai R, **Coricovac D**, Pavel I, Alla PK, Cretu OM, Soica C, Loghin F. Thermosensitive Betulinic Acid-Loaded Magnetoliposomes: A Promising Antitumor Potential for Highly Aggressive Human Breast Adenocarcinoma Cells Under Hyperthermic Conditions. *Int J Nanomedicine*. 2020; 15:8175-8200. doi: 10.2147/IJN.S269630. **IF = 6.4**
32. 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: 10.2174/092986732566681108094222. **IF=4.53**.
33. 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-excipient interaction. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY* 2019, 138(5): 3039-3054. doi: 10.1007/s10973-019-08326-1. **IF 2.731**.
34. 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**
35. 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**.

36. 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**.
37. 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**.
38. 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**.
39. 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**.
40. 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**
41. 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**.
42. 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**.
43. 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**
44. 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; 134:1-19. doi: 10.1016/j.ejpb.2018.11.006. **IF = 4.604**.
45. 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**.
46. **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**.
47. 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**
48. 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**
49. **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**.
50. Mioc M, Pavel IZ, Ghiulai R, **Coricovac DE**, Farcaş C, Mihali CV, Oprean C, Serafim V, Popovici RA, Dehelean CA, Shtilman MI, Tsatsakis AM, Şoica 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**.
51. Pinzaru I, **Coricovac D (# - equal contribution)**, Dehelean C, Moacă EA, Mioc M, Baderca F, Sizemore I, Brittle S, Marti D, Calina CD, Tsatsakis AM, Şoica 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**.
52. 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**.

53. 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**.
54. 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**.
55. 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**
56. 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**
57. Pavel IZ, Iftode OA, Pinzaru I, **Coricovac D**, Moaca A, Farcaș 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**.
58. Mioc M, Soica C, Berceanu 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**.
59. **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**.
60. Munteanu MF, Ardelean A, Borcan F, Trifunsi S, 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**
61. **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**.
62. 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**
63. 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**.
64. 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.
65. 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**
66. 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.
67. 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**
68. 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**
69. Andor B, Danciu C, Alexa E, Zupko I, Hoge 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**
70. Soica C, **Coricovac D (# - equal contribution)**, 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 = 0.912**
71. 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**
72. **Coricovac D**, Soica C, Muntean D, Popovici RA, Dehelean CA, Hoge 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 0.956**

73. 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 = 2.125**
74. 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**
75. 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**
76. 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 representatives of Zingiberaceae family against B164A5 murine melanoma cells. *Biol Res*. 2015; 48(1):1. **IF 1.328**
77. Citu IM, **Coricovac D (# - equal contribution)**, Kerti V, Duicu O, Privistirescu A, Ardelean S, Muntean D, Dehelean CA. DECREASED RESPIRATORY FUNCTION IN LIVER MITOCHONDRIA ISOLATED FROM HEALTHY OLD RATS. *Farmacia* 2015; 63(1): 99-103. **IF = 1.162**
78. 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**
79. 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**
80. Danciu C, **Coricovac D (# - 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**
81. 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**
82. 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**
83. 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**
84. 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**
85. **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**
86. 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**
87. 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**
88. **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**
89. Fulaș 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**
90. 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**
91. **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**
92. 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**