**Lista completă a lucrărilor ştiinţifice**

**Teza de doctorat**

Diplomă de doctor Nr. 3487/2013 Doctor în Medicină, Ord. MEC nr. 3930 MD din 20.06.2013 la UMF ”Victor Babeș” Timișoara, titlu - ***Aspecte privind mecanismele acţiunii antitumorale ale acidului betulinic/ Mechanistic insights into antitumor effects of betulinic acid***

Coordonatori: Prof. Dr. DANINA MIRELA MUNTEAN, Prof. Dr. BERNHARD BRUENE – teză realizată în cotutelă.

**Teza de abilitare**

Atestat de abilitare/Ordin privind acordarea atestatului de abilitare Nr. 6848/21.12.2023, emis de Ministerul Educației, titlu - ***Metode preclinice de screening toxicologic aplicate în evaluarea compușilor cu potențial terapeutic/ Preclinical methods for toxicological screening applied in the assessment of therapeutical potential compounds***

**Cărți de specialitate publicate:**

1. Cristina A. Dehelean, **Dorina Gheorgheosu**, Daniela Ionescu, Noțiuni de toxicologie generală, Ed. Victor Babeș Timișoara, 2013 ISBN 978-606-8456-14-0.
2. **Dorina-Elena Coricovac,** Florina Maria Andrica, Sorina Alexandra Ciurlea, Iulia Pînzaru. Elemente de toxicologie industrială şi a mediului, Ed. Victor Babeş Timișoara, 2014 ISBN 978-606-8456-30-0.
3. **Dorina Coricovac,** Cristina Dehelean, Iulia Pînzaru, Alina Moacă. Noi aspecte în ceea ce privește utilizarea plantelor toxice. Editura Victor Babeş, 2018, 200 pagini ISBN 978-606-786-107-5
4. Iulia Pînzaru, **Dorina Coricovac,** Codruța Șoica. Ghid de bune practici în obținerea principiilor active vegetale. Editura Victor Babeş, 2018, 150 pagini ISBN 978-606-786-106-8
5. Cristina Dehelean, **Dorina Coricovac,** Iulia Pînzaru. Mic îndrumător de evaluare experimentală a principiilor active din plante. Editura Victor Babeş, 2018, 155 pagini, ISBN 978-606-786-105-1
6. 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
7. 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
8. Dehelean CA, Pinzaru I, **Coricovac D.** Plantele între naturã si sänätate / plants between nature and health (Abstract Book). Ed “Victor Babes” Timisoara, 2021. ISBN: 978-606-786-253-9

**Capitole în edituri internaționale:**

1. **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 Andreazza and Gustavo Scola, Ed. InTech, 2015, ISBN 978-953-51-2140-4, pp. 3-21.
2. 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.
3. 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.
4. 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
5. Caizer C, Dehelean D, **Coricovac DE,** Caizer IS, Şoica 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, ISBN 978-3-030-41857-1, <https://doi.org/10.1007/978-3-030-41858-8_19>.
6. **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>

**Articole în reviste cotate ISI cu factor de impact**

1. 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; 21(1):103-112. doi: 10.3290/j.ohpd.b4009557. **IF = 1.6**
2. Ghiulai R, Mioc M, Racoviceanu R, Prodea A, Milan A, **Coricovac D**, Dehelean C, Avram Ș, Zamfir AD, Munteanu CVA, Ivan V, Şoica C. Structural Investigation of Betulinic Acid Plasma Metabolites by Tandem Mass Spectrometry. Molecules. 2022; 27(21):7359. doi: 10.3390/molecules27217359 **IF=4.6**
3. 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**
4. 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; 27(18):6106. doi: 10.3390/molecules27186106. **IF = 4.6**
5. 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**
6. Alexa VT, Galuscan A, Soica CM, Cozma A, **Coricovac D,** Borcan F, Popescu I, Mioc A, Szuhanek 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; 27(3):990. doi: 10.3390/molecules27030990. **IF=4.6**
7. 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**
8. 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**
9. 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**
10. 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**
11. 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.**
12. 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 Pharmaco-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**
13. 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**
14. **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**
15. 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 Pharmaco-Toxicological Screening. Antibiotics (Basel). 2021; 10(4):401. doi: 10.3390/antibiotics10040401.**IF=5.222**
16. Sipos S, Moacă EA, Pavel IZ, Avram Ş, Crețu OM, **Coricovac D**, Racoviceanu RM, Ghiulai R, Pană RD, Şoica 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**
17. 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=2.948**
18. 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**
19. 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=2.751**
20. 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**
21. 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**
22. 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**
23. Racoviceanu R, Trandafirescu C, Voicu M, Ghiulai R, Borcan F, Dehelean C, Watz C, Aigner Z, Ambrus R, **Coricovac DE**, Cîrcioban D, Mioc A, Szuhanek 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**
24. 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 = 3.906**
25. 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**
26. Ghiulai R, Avram S, Stoian D, Pavel IZ, **Coricovac D**, Oprean C, Vlase L, Farcas C, Mioc M, Minda D, Motoc A, Szuhanek 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**
27. 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**
28. 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**
29. 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**
30. 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.**
31. 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.**
32. 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**
33. 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.**
34. 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. doi: 10.31925/farmacia.2019.3.10 **IF 1.607.**
35. 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.**
36. 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**.
37. 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.**
38. 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. doi:10.2174/0929867326666190506123721. **IF 4.184**
39. 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. doi: 10.2147/DDDT.S218428. **IF 3.216.**
40. 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.**
41. 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**
42. 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.**
43. 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.**
44. **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**.
45. 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**
46. 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
47. **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.**
48. 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.**
49. 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**.
50. 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.**
51. Moacă EA, Farcaş C, Ghiţu A, **Coricovac D\* (\* corresponding author),** Popovici R, Cărăba-Meiţă NL, Ardelean F, Antal DS, Dehelean C, Avram Ş. 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**.
52. Marti D, **Coricovac D (# - equal contribution),** Pinzaru I, Isaia A, Susan R, Ionescu D, Suciu O, Susan M, Lazureanu V. Drug Delivery Systems for Lymphatic Uptake. Revista de Chimie 2017; 68(12): 2902-2906. **IF = 1.412.**
53. 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 = 2.784**
54. 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 = 2.976**
55. 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.**
56. 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.**
57. **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. Phamacol. 2017, doi:10.3389/fphar.2017.00154. **IF = 3.831**.
58. Munteanu MF, Ardelean A, Borcan F, Trifunschi 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**
59. **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**.
60. 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. I**F 1.232**
61. 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. doi: 10.1016/j.fct.2016.07.007. **IF 3.778.**
62. Antal DS, Ardelean F, Pinzaru I, Borcan F, Ledeti I, **Coricovac D**, Zupko I, Baghdikian B, Ollivier E, Soica C, Bolinitineanu Sl.Effects of Cyclodextrin Complexation on the Anti-cancer Effects of Cotinus coggygria Extract and its Constituents, Butein and Sulfuretin.*Revista de Chimie* 2016, 67(8): 1618-1622.
63. Antal DS, Pinzaru I, Borcan F, Marti TD, Ledeti I, **Coricovac D,** Schwaiger S, Stuppner H, Dehelean CA, Ollivier E, Soica C. Inclusion Complexes of the Aurone Sulfuretin and the Chalcone Butein from Cotinus coggygria Wood in Two Cyclodextrin Types First data on physico-chemical properties**.** *Revista de Chimie* 2016, 67(6): 1104-1109. I**F 1.232**
64. 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.
65. 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**
66. 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**
67. Andor B, Danciu C, Alexa E, Zupko I, Hogea 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**
68. 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. doi: 10.2174/1872210510999160427113345. **IF = 0.912**
69. 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. I**F 1.232**
70. **Coricovac D,** Soica C, Muntean D, Popovici RA, Dehelean CA, Hogea 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**
71. 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. doi: 10.1111/iep.12114. **IF = 2.125**
72. 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**
73. 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**
74. 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. doi: 10.1186/0717-6287-48-1. **IF 1.328**
75. 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 HEALTY OLD RATS. Farmacia 2015; 63(1): 99-103. **IF = 1.162**
76. 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**
77. 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**
78. 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**
79. 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**
80. 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**
81. 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**
82. 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. doi: 10.3390/ijms15058235. **IF 2.862**
83. **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**
84. 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**
85. 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. doi: 10.3390/molecules19044924. **IF 2.416**
86. **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. doi: 10.2174/1871520614666140223192148. **IF = 2.469**
87. Fuliaş A, Ledeţi 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. doi: 10.1186/1752-153X-7-140. **IF 1.663**
88. 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. doi: 10.1139/cjpp-2012-0422. **IF 1.546**
89. **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. doi: 10.1515/hsz-2013-0106. **IF = 2.689**
90. 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. doi: 10.1166/jbn.2013.1563. **IF 7.578**

**Articole în reviste indexate BDI**

1. 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,
2. 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.
3. 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.
4. 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**.**
5. **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.
6. 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,
7. 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.
8. 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>.
9. **Gheorgheosu D**, Kerti V, Duicu O, Mirică N, Dehelean C, Muntean D. Standardization of the Rat Hepatic Mitochondria Isolation for the In Vitro Assessment of Mitochondrial Respiration. *Bulletin UASMV, Veterinary Medicine,* 2012, 69(1-2):101-106**.**
10. **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.
11. Mitică S, Enache C, Savii C, Duicu O, Dudas Z, Henţia 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.
12. 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.

**Lucrări publicate în rezumat în reviste indexate ISI**

1. Marcovici I, Pinzaru I, **Coricovac D**, Macasoi I, Dehelean C. Melanin Nanoparticles as Novel Approach in Malignant Melanoma Treatment - An In Vitro Assessment. 89th Annual Meeting of the German-Society-for-Experimental-and-Clinical-Pharmacology-and-Toxicology (DGPT) / 8th German Pharm-Tox Summit. Naunyn-Schmiedebergs Archives of Pharmacology, volume 396, page S59, Supplement1, Meeting Abstract P143, **IF = 3.6**
2. **Coricovac D**, Pinzaru IA, Marcovici I, Iftode AO, Moaca A, Macasoi I, Vlaia L, Dehelean C. Betulinic acid formulated as proniosomal gel – a promising candidate for skin cancer management. 16th International Congress of Toxicology (ICT) - Uniting in Toxicology. Toxicology Letters 2022, volume 368, page S195-S195, Suppl. S, Meeting abstract: P12-51. Doi: 10.1016/j.toxlet.2022.07.530 **IF = 3.5**
3. Dolghi A, Pinzaru I, **Coricovac D**, Dehelean C. Lemongrass essential oil induces cytotoxic effects in HT-29 and Caco-2 colon carcinoma cell. 87th Annual Meeting of the German-Society-for-Experimental-and-Clinical-Pharmacology-and-Toxicology (DGPT). Naunyn-Schmiedebergs Archives of Pharmacology 2021, Volume 394, Issue: SUPPL 1, Page S33-S33, Supplement 1, Special Issue SI Meeting Abstract P25. **IF = 3.195**
4. Pinzaru I, **Coricovac D**, Dolghi A, Dehelean C. Effect of silver nanoformulations functionalized with rutin on human colorectal adenocarcinoma cells. 87th Annual Meeting of the German-Society-for-Experimental-and-Clinical-Pharmacology-and-Toxicology (DGPT). Naunyn-Schmiedebergs Archives of Pharmacology 2021, Volume 394, Issue: SUPPL 1, Page S32-S32, Supplement 1, Special Issue: SI, Meeting Abstract P22. **IF = 3.195**
5. **Coricovac D**, Macasoi I, Pinzaru I, Dehelean C. Betulinic acid exhibits a distinctive antimelanoma effect by interfering with epithelial-to-mesenchymal transition (EMT). 86th Annual Meeting of the German-Society-for-Experimental-and-Clinical-Pharmacology-and-Toxicology (DGPT). Naunyn-Schmiedebergs Archives of Pharmacology 2020, Volume 393, Issue: SUPPL 1, Page: 29-29, Supplement 1, Special Issue: SI, Meeting Abstract P6. **IF = 3.00**
6. Pinzaru IA, **Coricovac DE,** Watz C, Liga S, Dehelean CA. Rutin and its fatty acid esters in a biocompatible nanoform toxicological safety and photoprotection/phototoxicity assessments on 2D skin cells and 3D reconstructed human tissue model. 86th Annual Meeting of the German-Society-for-Experimental-and-Clinical-Pharmacology-and-Toxicology (DGPT). Naunyn-Schmiedebergs Archives of Pharmacology 2020, Volume 393, Issue: SUPPL 1, Page: 56-57, Supplement 1, Special Issue: SI, Meeting Abstract P118. **IF = 3.00**
7. Petean CD, Pinzaru IA, Iftode OA, **Coricovac DE**, Watz C, Dehelean CA. Liposomes loaded with soy isoflavones/soy extract as skin depigmenting or protective agents. 86th Annual Meeting of the German-Society-for-Experimental-and-Clinical-Pharmacology-and-Toxicology (DGPT). Naunyn-Schmiedebergs Archives of Pharmacology 2020, Volume 393, Issue: SUPPL 1, Page: 90-90, Supplement 1, Special Issue: SI, Meeting Abstract P250. **IF = 3.00**
8. Farcas CG, Moaca EA, **Coricovac D**, Dehelean C, Loghin F**.** In vitro antiproliferative effects of Fe3O4 BA loaded liposomes.54th Congress of the European-Societies-of-Toxicology (EUROTOX) - Toxicology Out of the Box. Toxicology Letters 2018, Volume:295, Page: S113-S113, Supplement 1, Meeting Abstract: P06-26. DOI: 10.1016/j.toxlet.2018.06.646. **IF = 3.499**
9. **Coricovac D,** Pavel IZ, Draghici GA, Pinzaru I, Avram S, Mioc M, Ghiulai R, Soica, C, Dehelean CA. In vitro anti-proliferative and antimetastatic effects of lupan pentacyclic triterpenes. 53rd Congress of the European-Societies-of-Toxicology (EUROTOX). TOXICOLOGY LETTERS 2017, Volume: 280 Pages: S273-S273 Supplement: 1 Special Issue: SI Meeting Abstract: P-09-02-58. DOI: 10.1016/j.toxlet.2017.07.962 **IF = 3.166**
10. Pinzaru IA, Rusu L, Dehelean CA, **Coricovac D,** Borcan F. Evaluation of eugenol polyurethane nanostructures toxicological statement. 53rd Congress of the European-Societies-of-Toxicology (EUROTOX). TOXICOLOGY LETTERS 2017, Volume: 280, Pages: S271-S271 Supplement: 1 Special Issue: SI, Meeting Abstract: P-09-02-54. DOI: 10.1016/j.toxlet.2017.07.958 **IF = 3.166**
11. Pinzaru IA, **Coricovac DE**, Trandafirescu CM, Soica CM, Dehelean CA. Assessment of betulin gold nanoparticles toxicological profile. 83rd Annual Meeting of the German-Society-for-Experimental-and-Clinical-Pharmacology-and-Toxicology (DGPT) / 19th Annual Meeting of the Association-of-the-Clinical-Pharmacology-Germany (VKliPha). NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY 2017, Volume: 390, Pages: S87-S87, Supplement: 1, Meeting Abstract: P301. **IF = 2.238**
12. Simu GM, **Coricovac D,** Cseh L, Soica C, Demetrovici L,Dragos D, Dragomirescu A, Dehelean C. Characterization of the in vivo effects induced by Cosorb's phases in mice: Changes in locomotor activity associated with acute exposure to a volatile organic solvents mixture. 83rd Annual Meeting of the German-Society-for-Experimental-and-Clinical-Pharmacology-and-Toxicology (DGPT) / 19th Annual Meeting of the Association-of-the-Clinical-Pharmacology-Germany (VKliPha). NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY 2017, Volume: 390, Pages: S93-S93, Supplement: 1, Meeting Abstract: P331. **IF = 2.238**
13. Danciu C, Alexa E, Zupko I, Avram S, Pavel IZ, Minda D, Pop G, **Coricovac D**, Dehelean C. Effect of germination on in vitro and in vivo activity of Lupinus albus L. and Lupinus angustifolius L. seed extract. 9th Joint Meeting of AFERP, ASP, GA, JSP, PSE and SIF. Planta Medica 2016, Volume: 82, Suppl:1, Meeting Abstract: P664. DOI10.1055/s-0036-1596718. IF **= 2.34**
14. Dehelean CA, **Coricovac D**, Pinzaru I, Ionescu D, Soica C, Simu G. The pro-inflammatory effects of the organic phase obtained via COsorb process. 52nd Congress of the European-Societies-of-Toxicology (EUROTOX). TOXICOLOGY LETTERS 2016, Volume: 258, Pages: S191-S191, Supplement: S, Meeting Abstract: P10-035. DOI: 10.1016/j.toxlet.2016.06.1702 **IF = 3.858**
15. **Coricovac D,** Pavel IZ, Avram S, Ghiulai R, Pinzaru I, Mioc M, Soica C, Dehelean C Assessment of the in vitro effects of some new betulinic acid nanoformulations. 52nd Congress of the European-Societies-of-Toxicology (EUROTOX). TOXICOLOGY LETTERS 2016, Volume: 258, Pages: S276-S277, Supplement: S, Meeting Abstract: P17-047. DOI: 10.1016/j.toxlet.2016.06.1967. **IF = 3.858**
16. Dehelean CA, Pinzaru I, Ionescu D, Moaca A, **Coricovac D**, Soica C. Reproducible animal models used for external toxicants tests. 52nd Congress of the European-Societies-of-Toxicology (EUROTOX). TOXICOLOGY LETTERS 2016, Volume: 258, Pages: S289-S289, Supplement: S, Meeting Abstract: P19-021. DOI: 10.1016/j.toxlet.2016.06.2006. **IF = 3.858**
17. Antal DS, Pinzaru I, **Coricovac D**, Soica C, Schwaiger S, Stuppner H, Ollivier E, Dehelean CA. [Changes in the anti-inflammatory activity of aurone and chalcone class flavonoids from Cotinus coggygria extracts after complexation with cyclodextrins](https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0035-1565513). 63rd International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research (GA). Planta Medica 2015, 81(16), pages: 1463-1463, PM-136. **IF = 1.99**
18. Danciu C, Pavel IZ, Borcan F, Soica C, Zupko I, Csanyi E, Avram S, Coricovac D, Dehelean CA. In vitro biological evaluation of polyurethane microstructures genistein based formulation. 63rd International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research (GA). Planta Medica 2015, 81(16), pages: 1481-1481, PM-202. **IF = 1.99**
19. **Coricovac D**, Ciurlea S, Pinzaru I, Rusu A, Dehelean C. UVB-irradiated SKH1 mice develop melanoma after inoculation of A375 xenografts. 51st Congress of the European Societies of Toxicology (EUROTOX). Toxicology Letters 2015, 238 (suppl. 2): S336-S337, Meeting Abstract: P14-046. DOI: 10.1016/j.toxlet.2015.08.959. **IF=3.522**
20. **Coricovac D,** Dehelean C, Pinzaru I, Ionescu D, Soica C, Simu G. Toxicological evaluation of the effects induced by the organic phase obtained via Cosorb process on skin physiological parameters. 51st Congress of the European Societies of Toxicology (EUROTOX). Toxicology Letters 2015, 238 (suppl. 2): S274-S274, Meeting Abstract: P12-076. DOI: 10.1016/j.toxlet.2015.08.788. **IF=3.522**
21. Duicu OM, Scurtu I, Sturza A, Privistirescu A, **Gheorgheosu D**, Noveanu L, Muntean D. Characterization of the bioenergetic effects of methylene blue in H9c2 myoblasts. European Journal of Clinical Investigation, 2015, 45(suppl 2): pp. 27-28. **IF=2.687**
22. Pavel IZ, Duicu OM, Scurtu I, **Coricovac D,** Dehelean C, Csuk R, Muntean D. Assessment of the effects of a maslinic acid derivative in isolated mouse liver mitochondria. European Journal of Clinical Investigation, 2015, 45(suppl 2): pp. 29. **IF=2.687**
23. **Coricovac DE**, Duicu OM, Anechitei A, Danila M, Pinzaru I, Dehelean CA, Muntean D. Assessment of age-related changes in respiratory function of liver and heart isolated rat mitochondria. European Journal of Clinical Investigation, 2015, 45(suppl 2): pp. 30. **IF=2.687**
24. Avram S, **Gheorgheosu D,** Cimpean AM, Danciu C, Pavel IZ, Avram SI, Soica C, Peev C, Dehelean C, Raica M. The evaluation of betulin and betulinic acid on B164A5 melanoma cells in chorioallantoic membrane assay. 62nd International Congress and Annual Meeting of the Society-of-Medicinal-Plant-and-Natural-Product-Research. Planta Medica, 2014, 80(16):1413. **IF=2.339**
25. **Coricovac D,** Danciu C, Ionescu D, Trandafirescu C, Simu G, Soica C, Kemeny L, Ardelean S, Dehelean C. The influence of betulinic acid formulated as nanoemulsion on UVB activity as a tumor promoter in a mouse model of skin carcinoma. 50th Congress of the European-Societies-of-Toxicology. Toxicology Letters, 2014, 229: S50-S51, DOI: 10.1016/j.toxlet.2014.06.904**. IF=3.262.**
26. Duicu O, **Gheorgheosu D**, Mirică N, Trancotă S, Fira-Mlădinescu O, Muntean D. Analysis of mitochondrial function in rat heart permeabilized fibers by high-resolution respirometry. European Journal of Medical Research 2011, 16 (suppl 1):132-133. **IF=0.978**
27. Karampitsakos T, Gheorgheosu D, Mirica S. Magnesium Orotate Induces Cardioprotection Against Global and Regional Ischaemia Regardless the Timing of Administration During Postischaemic Reperfusion in Rat Hearts. European Journal of Medical Research 2011, 16 (suppl 1): 111. **IF=0.978**

**Rezumate publicate în volume de conferinţe**

1. Pinzaru I, Marcovici I, **Coricovac D**, Macasoi I, Dehelean C. In vitro toxicological profile of rutin as antimelanoma agent. Farmacia: de la inovare la buna practica farmaceutica, Ed. Universitatii din Oradea, Congresul National de Farmacie editia a XVIII-a, 15-17 Septembrie 2021, pp.82. ISBN 78-606-10-2144-4
2. Dehelean C. **Coricovac D.** Natural compounds a promising alternative for SARS-CoV-2 treatment. Farmacia: de la inovare la buna practica farmaceutica, Ed. Universitatii din Oradea, Congresul National de Farmacie editia a XVIII-a, 15-17 Septembrie 2021, pp.83. ISBN 78-606-10-2144-4.
3. **Coricovac D**, Marcovici I, Pinzaru I, Macasoi I, Vlaia L, Soica C, Dehelean C. Betulinic acid formulated as proniosomal gel for topical use in skin disorders. Farmacia: de la inovare la buna practica farmaceutica, Ed. Universitatii din Oradea, Congresul National de Farmacie editia a XVIII-a, 15-17 Septembrie 2021, pp.99. ISBN 78-606-10-2144-4.
4. **Coricovac D**, Ciurlea S, Danciu C, Ghiulai R, Antal A, Pinzaru I, Dehelean C. Development of in vivo melanoma models. 17th DKMT Euroregional Conference on Environment and Health, June 5-6, 2015, Szeged, Hungary, Abstract book, p.45. ISBN: 978-963-306-374-3
5. **Coricovac D**, Duicu O, Pinzaru I, Soica C, Dehelean C, Muntean D. Evaluation of the effects of betulinic acid complex with cyclodextrins on mitochondrial respiration. Congresul National al Societatii Romane de Fiziopatologie cu participare internationala, 7-10 May 2015, Iasi. Volum de rezumate, p.83-84. ISBN: 978-606-544-311-2.
6. **Coricovac D**, Pinzaru I, Danciu C, Andrica F, Soica C, Dehelean C. Synthesis of betulinic acid esters. Fiziologia – Physiology 2015, Suppl. (workshop Orpheus, 27-28 Martie 2015, Timisoara). ISSN: 1223-2076.
7. **Coricovac D**, Pinzaru I, Ionescu D, Andrica F, Dehelean C. The in vitro effect of aspartame – preliminary results. Volumul de rezumate al workshopului international in cadrul proiectului bilateral Roman-Francez – PN II-CT-789/30.06.2014, 10 Iulie 2015, Timisoara, p.53. ISBN: 978-606-8456-67-6.
8. **Coricovac D**, Pinzaru I, Andrica F, Ceuta L. The effects induced by the association of UVB radiation and aluminum present in the dermato-cosmetic products. Volum de rezumate al workshopului international in cadrul proiectului bilateral Romania-Franta 791/2014, 25 Noiembrie 2015, p.74. ISBN: 978-606-8456-86-7.
9. **Coricovac DE**, Duicu O, Ciurlea S, Pavel IZ, Muntean D, Dehelean C. Assessment of betulinic acid effects on liver mitochondrial respiratory function in a mouse model of human melanoma. 5th World Congress on Targeting Mitochondria: Strategies, Innovations&Clinical Applications, Abstracts Book, 2014, p.103. ISBN 978-2-35609-093-5.
10. **Coricovac D,** Ciurlea S, Pavel I, Ionescu D, Dehelean C. Development of A375 human melanoma model. UV Radiation and Skin Pathology, Abstract book, 2014, p. 9. ISBN 978-606-8456-32-4
11. **Coricovac D,** Ciurlea S, Soica C, Andrica F, Ionescu D, Dehelean C. A comparative study of ultraviolet radiationeffect on SKH-1 vs. C57BL/6J mice skin parameters. UV Radiation and Skin Pathology, Abstract book, 2014, p. 11. ISBN 978-606-8456-32-4.
12. **Gheorgheosu D,** Duicu O, Ciurlea S, Dehelean C, Muntean D. The effects of triterpenes on liver respiratory mitochondrial function in experimental models of skin carcinogenesis. Bulletin of Romanian Society for Cell Biology, 2013, 41: 28. ISSN 1584-5532
13. **Gheorgheosu D**, Jung M, Dehelean C, Bruene B, Muntean D. Betulinic acid reduces invasive potential of human melanoma cells. Bulletin of Romanian Society for Cell Biology, 2013, 41: 138. ISSN 1584-5532.
14. **Gheorgheosu D**, Jung M, Dehelean C, Muntean D, Bruene B. New insights into antitumor effect of betulinic acid: inhibition of epithelial to mesenchymal transition in melanoma cell line. Rev Med Chir Soc Med Nat Iasi, 2012, 3 (supl. 1), p. 7. ISSN: 0048-7848.
15. **Gheorgheosu DE**, Duicu O, Trancota S, Mirica N, Dehelean C, Muntean D. A comparative study of liver mitochondrial respiration in adult vs. senescent rats. Acta Medica Marisiensis, 2011, 57 (supl. 2), p. 16. ISSN: 2068-3324.
16. **Gheorgheosu D**, Duicu O, Dehelean C, Amiji MM, Muntean D. Topical treatment with a betulin formulation improves respiratory function of liver mitochondria isolated from mice with chemically induced skin cancer. Fiziologia, 2011, supl., p. 19. ISSN 1223-2076.
    1. **Brevete obţinute în întreaga activitate**

* Nu este cazul

**Data: 19.01.2024 Semnătura:**