

INFORMAȚII
PERSONALE

WATZ CLAUDIA GEANINA



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Sexul Feminin | Naționalitatea Română

EXPERIENȚĂ
PROFESIONALĂ

Octombrie 2016-prezent

Asistent Universitar

Universitatea de Medicină și Farmacie “Victor Babeș”, Timișoara

Activitate de predare: Lucrări practice în cadrul disciplinei de Fizică

Farmaceutică, Facultatea de Farmacie – specialitatea Farmacie, Asistență de Farmacie, Cosmetică medicală și tehnologia produsului cosmetic

Activitate de cercetare în cadrul Centrului de Cercetare pentru Evaluări Farmaco-toxicologice al Universității de Medicină și Farmacie “Victor Babeș”, Timișoara

Decembrie 2015-
Octombrie 2016

Farmacist S.C. Siepcofar S.R.L, Farmaciile Dona

Consilierea pacienților asupra medicației din schema terapeutică (posologie, interacțiuni medicamentoase, efecte adverse)

Recomandarea produselor naturiste și OTC în concordanță cu afecțiunile existente

Prepararea rețetelor magistrale/oficinale

EDUCAȚIE ȘI FORMARE

- 2022 - prezent Rezidențiat – Specialitatea Farmacie generală
Spitalul Județean de Urgență “Pius Brînzeu” Timișoara
- 2016-2020 Diplomă de doctor, Domeniul Farmacie
Universitatea de Medicină și Farmacie “Iuliu Hațieganu”, Cluj-Napoca
- 2017-2018 Program de Formare Psihopedagogică nivel I (Seria Ad Nr 0017933)
și nivel II (Seria Ad Nr 0017985)
Universitatea de Vest din Timișoara
- 2015-2017 Diplomă de Master (Seria MA Nr 0108171)
Medicamente de tip OTC, suplimente alimentare, cosmetice
Universitatea de Medicină și Farmacie “Victor Babeș”, Timișoara
- 2010-2015 Diplomă de Licență în Farmacie (Seria C Nr. 0018531)
Universitatea de Medicină și Farmacie “Victor Babeș”, Timișoara
- 2006-2010 Diplomă de Bacalaureat (Seria Y Nr. 0149260)
Specializare Științe ale naturii – Intensiv Limba Engleză
Colegiul Național “Elena Ghiba Birta”, Arad

COMPETENȚE PERSONALE

Limba maternă Română

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	C1	C1	C1	C1	C1
Franceză	B2	B2	B1	B1	B1

INFORMATII
SUPLIMENTARE

Competențe	Culturi celulare in vitro, analize de imunocitochimie în fluorescență, testare toxicologică in vitro pe linii celulare 2D și țesuturi reconstitutive 3D umane
Apartenență la organizații profesionale	Colegiul Farmaciștilor din România Societatea de Științe Farmaceutice din România, Secțiunea Toxicologie
Certificări	Competențe antreprenoriale dobândite prin participarea în cadrul Proiectului ACAMed – “Academia Cercetătorilor Antreprenori în Medicină” Proiect finanțat din Fondul Social European - POCU/380/6/13/125171 Diplomă Manager de Proiect, program acreditat ANC (Autoritatea Națională pentru Calificări) Curs de toxicologie in vitro aplicată, organizat de ESTIV (European Society of Toxicology In Vitro) și ASCCT (American Society for Cellular and Computational Toxicology). 14-19 Aprilie 2019, București.
Granturi de cercetare	Finanțare pentru Proiectul de Cercetare Doctorală: Evaluarea toxicologică a nanoparticulelor metalice în vederea creșterii biodisponibilității unor compuși naturali cu acțiune terapeutică UMF “Iuliu Hațieganu” Cluj-Napoca: PCD 2017, Nr contract 1300/23/13.01.2017; 3066/17/01.02.2018; 1531/2/18.01.2019; 2464/1/17.01.2020 Valoare totală = 48 000 RON Membru în proiecte de cercetare naționale: Nanobiostructuri inovative pe bază de nanoparticule ferimagnetice bioconjugate cu ciclodextrine pentru creșterea eficacității și reducerea toxicității în tratamentul cancerului prin hipertermie superparamagnetică PN-III-P2-2.1-PED-2019-3067 Centru de dezvoltare al competențelor practice în domeniul plantelor medicinale CNFIS-FDI-2018-0159, Contract no 35/16.05.2018 – Siguranța produselor pe bază de plante medicinale

Formulări pe bază de betulină și nanoparticule de aur în combaterea procesului de îmbătrânire a pielii PN-III-P2-2.1-BG-2016-0354

Listă lucrări indexate ISI

Claudia Geanina Farcas, Cristina Dehelean, Iulia Andreea Pinzaru, Marius Mioc, Vlad Socoliuc, Elena-Alina Moaca, Stefana Avram, Roxana Ghiulai, Dorina Coricovac, Ioana Pavel, Praveen Kumar Alla, Octavian Marius Cretu, Codruta Soica, Felicia Loghin. Themosensitive Betulinic Acid-Loaded Magnetoliposomes: A Promising Antitumor Potential for Highly Aggressive Human Breast Adenocarcinoma Cells Under Hyperthermic Conditions. *Int J Nanomed.* 2020, 15, p 8175-8200. <http://doi.org/10.2147/IJN.S269630>. IF = 5.112, Q1.

Claudia Geanina Farcas, Ioana Macasoi, Iulia Pinzaru, Marius Chirita, Marius Constantin Chirita Mihaila, Cristina Dehelean, Stefana Avram, Felicia Loghin, Liviu Mocanu, Virgil Rotaru, Adrian Ieta, Aurel Ercuta, Dorina Coricovac. Controlled Synthesis and Characterization of Micrometric Single Crystalline Magnetite With Superparamagnetic Behavior and Cytocompatibility/Cytotoxicity Assessments. *Front. Pharmacol.* 2020, 11:410. doi: 10.3389/fphar.2020.00410. IF = 4.225, Q1.

Claudia Geanina Farcas, Elena Alina Moaca, Razvan Dragoi, Delia Berceanu Vaduva, Iasmina Marcovici, Ciprian Valentin Mihali, Felicia Loghin. Preliminary Results of Betulinic Acid-Loaded Magnetoliposomes - a Potential Approach to Increase Therapeutic Efficacy in Melanoma. *REV.CHIM.(Bucharest)*, 2019, 70, No. 9. IF = 1.755, Q3.

Elena-Alina Moacă#, **Claudia Farcaș# (contribuție egală)**, Dorina Coricovac, Stefana Avram, Ciprian-Valentin Mihali, George-Andrei Draghici, Felicia Loghin, Cornelia Pacurariu, Cristina Dehelean. 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 Vol. 15 (5), p 893-909; IF = 4.483, Q2.

Dorina Coricovac# , **Claudia Farcas# (# - contribuție egală)**, Cristian Nica, Iulia Pinzaru*, Sebastian Simu, Dana Stoian, Codruta Soica, Maria Proks, Stefana Avram, Dan Navolan, Catalin Dumitru, Ramona Amina Popovici and Cristina Adriana Dehelean. 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, 3600; doi:10.3390/ijms19113600; IF = 4.556, Q2.

Elena-Alina Moacă# , **Claudia Farcaș# (# - contribuție egală)**, Alexandra Ghițu, Dorina Coricovac , Ramona Popovici, Nela-Loredana Cărăba-Meiță, Florina Ardelean, Diana Simona Antal, Cristina Dehelean , and Ștefana Avram. A Comparative Study of Melissa officinalis Leaves and Stems Ethanolic Extracts in terms of Antioxidant, Cytotoxic, and Antiproliferative Potential. *Hindawi Evidence-Based Complementary and Alternative*

Medicine. 2018, Article ID 7860456, <https://doi.org/10.1155/2018/7860456>; IF = 1.984, Q2.

Faur A. #, **Watz C. #** (# - contribuție egală), Moaca E.-A., Avram S., Borcan F., Pinzaru I., Iftode A., Nicolov M., Popovici R.A., Raica M., Szuhaneck C.A., Dehelean C. Correlations on Phenolic Screening Related to In Vitro and In Ovo Assessment of *Ocimum basilicum* L. Hydro-Alcoholic Extracts Used as Skin Active Ingredient. *Molecules*. 2020, 25, 5442; doi:10.3390/molecules25225442. IF = 3.267, Q2

Szuhaneck C.A., **Watz C.G.*** (* - autor de corespondență), Avram Ș., Moacă E.-A., Mihali C.V., Popa A., Campan A.A., Nicolov M., Dehelean C.A. Comparative Toxicological In Vitro and In Ovo Screening of Different Orthodontic Implants Currently Used in Dentistry. *Materials* 2020, 13, 5690; doi:10.3390/ma13245690. IF = 3.057, Q2.

Popa A. Dehelean C, Calniceanu H.*, **Watz C. *** (* - autor de corespondență), Brad S., Sinescu C. , Marcu O.A., Popa C.S., Avram S., Nicolov M., Szuhaneck C.A. A Custom-Made Orthodontic Mini-Implant—Effect of Insertion Angle and Cortical Bone Thickness on Stress Distribution with a Complex In Vitro and In Vivo Biosafety Profile. *Materials* 2020, 13, 4789; doi:10.3390/ma13214789. IF = 3.057, Q2.

Pinzaru I., Tanase A., Enatescu V., Coricovac D., 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*, 2021, 10, 85, <https://doi.org/10.3390/antiox10010085>. IF = 5.014, Q1.

Delia Dumbrava, Liviana Alexandra Popescu, Codruta Marinela Soica*, Alma Nicolin, Ileana Cocan, Monica Negrea, Ersilia Alexa, Diana Obistoiu, Isidora Radulov, Sofia Popescu, **Claudia Watz**, Roxana Ghiulai, Alexandra Mioc, Camelia Szuhaneck, Cosmin Sinescu, Cristina Dehelean. Nutritional, Antioxidant, Antimicrobial, and Toxicological Profile of Two Innovative Types of Vegan, Sugar-Free Chocolate. *Foods* 2020, 9, 1844; doi:10.3390/foods9121844. IF = 4.092, Q2.

Roxana Racoviceanu, Cristina Trandafirescu, Mirela Voicu, Roxana Ghiulai, Florin Borcan, Cristina Dehelean, **Claudia Watz**, Zoltán Aigner, Rita Ambrus Dorina Elena Coricovac, Denisa Cîrcioban, Alexandra Mioc, Camelia Alexandrina Szuhaneck, Codruța Șoica. Solid Polymeric Nanoparticles of Albendazole: Synthesis, Physico-Chemical Characterization and Biological Activity. *Molecules*. 2020, 25, 5130; doi:10.3390/molecules25215130. IF = 3.267, Q2.

Roxana Ghiulai, Stefana Avram, Dana Stoian, Ioana Zinuca Pavel,

Dorina Coricovac, Camelia Oprean, Laurian Vlase, **Claudia Farcas**, Marius Mioc, Daliana Minda, Andrei Motoc, Camelia Szuhaneck, Corina Danciu, Codruta Soica, Laurentiu Sima. Lemon Balm Extracts Prevent Breast Cancer Progression In Vitro and In Ovo on Chorioallantoic Membrane Assay. *Hindawi Evidence-Based Complementary and Alternative Medicine*, Volume 2020, Article ID 6489159, <https://doi.org/10.1155/2020/6489159>, IF = 1.813.

Ramona Fecker, Valentina Buda, Ersilia Alexa, Stefana Avram, Ioana Zinuca Pavel, Delia Muntean, Ileana Cocan, **Claudia Watz**, Daliana Minda, Cristina Adriana Dehelean, Codruta Soica, Corina Danciu. Phytochemical and Biological Screening of *Oenothera Biennis* L. Hydroalcoholic Extract. *Biomolecules* 2020, 10, 818; doi:10.3390/biom10060818, IF = 4.082, Q2.

Ana-Maria Putz , Catalin Ianași, Zoltán Dudás*, Dorina Coricovac, **Claudia (Farcas) Watz**, Adél Len, László Almásy, Liviu Sacarescu and Cristina Dehelean. SiO₂-PVA-Fe(acac)₃ Hybrid Based Superparamagnetic Nanocomposites for Nanomedicine: Morpho-textural Evaluation and In Vitro Cytotoxicity Assay. *Molecules*. 2020, 25, 653; doi:10.3390/molecules25030653; IF = 3.267, Q2.

Danciu Corina, Muntean Delia, Alexa Ersilia, **Farcas Claudia**, Oprean Camelia, Zupko Istvan, Bor Andrea, Minda Daliana*, Proks Maria, Buda Valentina*, Hancianu Monica, Cioanca Oana, Soica Codruta, Popescu Sofia and Dehelean Cristina Adriana. Phytochemical Characterization and Evaluation of the Antimicrobial, Antiproliferative and Pro- Apoptotic Potential of *Ephedra alata* Decne. Hydroalcoholic Extract against the MCF-7 Breast Cancer Cell Line. *Molecules*. 2019, 24, 13; doi:10.3390/molecules24010013; IF = 3.267, Q2.

Ghițu A, Schwiebs A, Radeke HH, Avram S, Zupko I, Bor A, Pavel IZ, Dehelean CA, Oprean C, Bojin F, **Farcas C**, Soica C, Duicu O, Danciu C. A Comprehensive Assessment of Apigenin as an Antiproliferative, Proapoptotic, Antiangiogenic and Immunomodulatory Phyto compound. *Nutrients*. 2019 Apr 16;11(4). pii: E858. doi: 10.3390/nu11040858; IF = 4.171, Q1.

Marius Mioc, Ioana Zinuca Pavel, Roxana Ghiulai, Dorina E. Coricovac, **Claudia Farcas**, Ciprian-Valentin Mihali, Camelia Oprean, Vlad Serafim, Ramona A. Popovici*, Cristina A. Dehelean, Michael I. Shtilman, Aristidis M. Tsatsakis and Codruța Șoica. 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 = 4.225, Q1.

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 C-A and Soica C. Cocrystal Formation of Betulinic Acid and Ascorbic Acid: Synthesis, Physico-Chemical Assessment, Antioxidant, and

Antiproliferative Activity. *Front Chem.* 2019, 7:92. doi: 10.3389/fchem.2019.00092; IF = 3.693, Q2.

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. *Exp Ther Med.* 2019 Aug;18(2):932-942. doi: 10.3892/etm.2019.7635; IF = 1.448

Denisa Circioban, Adriana Ledeti, Gabriela Vlase, Dorina Coricovac, Alina Moaca, **Claudia Farcas**, Titus Vlase, Ionut Ledeti, Cristina Dehelean. Guest–host interactions and complex formation for artemisinin with cyclodextrins: instrumental analysis and evaluation of biological activity. *J Therm Anal Calorim.* 2018, DOI <https://doi.org/10.1007/s10973-018-7411-8>; IF = 2.731, Q2.

Denisa Circioban, Adriana Ledeti, Gabriela Vlase, Alina Moaca, Ionut Ledeti, **Claudia Farcas**, Titus Vlase & Cristina Dehelean. Thermal degradation, kinetic analysis and evaluation of biological activity on human melanoma for artemisinin. *J Therm Anal Calorim.* 2018, DOI 10.1007/s10973-018-7497-z; IF = 2.731, Q2.

Zsolt Gyori, Mircea Berceanu, Adelina Cheveresan, **Claudia Farcas**, Tiberiu Bratu, Zorin Crainiceanu. Melanin And Behaviour Of Melanoma-Related Cell Lines In The Presence Of Ultraviolet B Type Radiation. *Rev Chim (Bucharest).* 2019, 70(7), 2398-2400; IF = 1.755, Q3.

Octavia Iulia Balean, Atena Galuscan, Daniela Jumanca, **Claudia Farcas**, Dorina Coricovac, Doina Chioran, Voichita Lazureanu, Angela Codruta Podariu. In Vitro Effect Of Bisphosphonates On Squamous Cell Carcinoma From Tongue Tissue. *Rev Chim (Bucharest).* 2019, 70(2), 663-666; IF = 1.755, Q3.

Crinela Utescu, Delia Berceanu-Vaduva, Constantin Tudor Luca, **Claudia Farcas**, Victor Dumitrascu, Matilda Radulescu. Preliminary in vitro Evaluation of a Semisynthetic Oestrogen Polymer-based Formulation. *Materiale Plastice.* 2019, 56(1), 291-293; IF = 1.517, Q4.

Ioana Zinuca Pavel, Oana Andrada Iftode, Iulia Pinzaru, Dorina Coricovac, Alina Moaca, **Claudia Farcas**, Sebastian Claudiu Simu, Codruta Soica, Cristina Dehelean, Andrei Motoc. Skin Specific Cells and UVB Damage. *Rev Chim (Bucharest).* 2017, 68(6), 1229-1233; IF = 1.412.

Conferințe internaționale

C.G. Farcas, E.A. Moacă, D. Coricovac, C. Dehelean, F. Loghin, In vitro antiproliferative effects of Fe₃O₄_BA loaded liposomes, 54th Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2 – 5 Septembrie, 2018, DOI: 10.1016/j.toxlet.2018.06.646, *Toxicology Letters*, 295, pp. S113, Supplement 1, Abstract P06-26, 2018, IF = 3.499

E.A. Moacă#, **C. Farcaș# (contributie egală)**, D. Coricovac, F. Loghin, C. Dehelean, C. Păcurariu, Citric Acid Coated Magnetic Iron Oxide Nanoparticles (Fe₃O₄): Synthesis, Characterization and Applications, The 5th Edition of Nanotech France 2019, International Conference and Exhibition, 26 – 28 June 2019 Palais des Congrès d'Issy, Issy-Les-Moulineaux, Paris, France, Book of Abstracts pp. 157; Organizer: Setcor Conferences and Exhibitions, www.setcor.org 2019 (poster)
<http://www.setcor.org/userfiles/files/2019/NanotechFrance2019/Nanotech-France-2019-Conference-Program.pdf>

Pinzaru I.A., Coricovac D.E., **Watz C.**, Liga S., Dehelean C.A. 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. *Naunyn-Schmiedeberg's Archives Of Pharmacology*, Volume: 393, Issue: SUPPL 1, Pages: 56-57, Supplement: 1, Special Issue: SI, Meeting Abstract: P118, Published: FEB 2020, Document Type: Meeting Abstract

Petean, C.D., Pinzaru, I.A., Iftode, O.A., Coricovac, D. E., **Watz, C.**, Dehelean, C. A. Liposomes loaded with soy isoflavones/soy extract as skin depigmenting or protective agents. *Naunyn-Schmiedeberg's Archives Of Pharmacology*, Volume: 393, Issue: SUPPL 1, Pages: 90-90, Supplement: 1, Special Issue: SI, Meeting Abstract: P250, Published: FEB 2020, Document Type: Meeting Abstract

M. Mioc, D. Coricovac, C. Trandafirescu, R. Ghiulai, I. Pavel, C. Danciu, I. Pinzaru, A. Moaca, **C. Farcaș**, R.A. Popovici, C. Dehelean, R. Ambrus, C. Soica, Comparative assessment of solid and hollow gold nanoparticles as antitumor nanoformulations, 2nd International Caparica Christmas Conference on Translational Chemistry, 4–7 December 2017, Proceedings Book, Caparica, Portugal, 2017 (oral presentation).

M. Nicolov, C. Soica, R. Roman, R. Ambrus, I. Zupko, E.A. Moacă, I. Ledeti, D. Coricovac, **C. Farcaș**, C.A. Dehelean, Analysis of monosolvates of betulinc acid with vitamin C, International Conference of Medicinal Plants Research (ICMPR-2018), 26 March 2018, Warsaw, Poland, Book of Abstracts pp. 19, Ref. code ICMPR-2018-22-036, Published by: APCO Practical Education and Research Organization, Warsaw, Poland, 2018 (oral presentation).

Conferințe naționale

Ghițu, E.A. Moacă, **C. Farcaș**, D. Coricovac, C. Dehelean, Ș. Avram, C. Danciu, FTIR characterization and cytotoxic effects of *Melissa officinalis* L. Ethanol extracts against MDA-MB 231 breast cancer cell line, Days of the „Victor Babes” University of Medicine and Pharmacy Timisoara, 2018 (poster).

Ioana Zinuca Pavel, Corina Danciu, Stefana Avram, Daliana Minda, Oana Maria Aburel, Elena Alina Moacă, **Claudia Watz**, Cristina Adriana Dehelean, Rene Csuk, Danina M. Muntean. Assessment of the cytotoxic and antimigratory effects of a benzylamide derivative of maslinic acid on B16F0 murine melanoma cell line. Books of Abstracts – Poster presentation, pag 64, XIII National Congress of Romanian Society of Physiology, October 22-24, 2020, Targu Mures, Romania.

Rezumate ISBN

Claudia Geanina Farcaș, Cristina Dehelean, Felicia Loghin. Nanotechnology, a controversial topic for anticancer approach through natural compounds. Summary manifestations within the project CNFIS-FDI-2018-0159 - Safety of medicinal plants products. Editura “Victor Babeș” Timișoara, 2018. ISBN 978-606-786-104-4

Daiana Szvoren, Iasmina Marcovici, Dorina Coricovac, Iulia Pînzaru, Claudia Farcaș, Cristina Dehelean. In vitro antiproliferative activity of *Salvia officinalis* L. extracts. Summary manifestations within the project CNFIS-FDI-2018-0159 - Safety of medicinal plants products. Editura “Victor Babeș” Timișoara, 2018. ISBN 978-606-786-104-4

Claudia Geanina Farcaș, Mirela Nicolov, Alina Moacă, Cristina Dehelean. The antioxidant activity of betulinic acid with ascorbic acid crystals. Scientific manifestations. Phytocompounds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity. Editors Diana S Antal, Evelyne Ollivier. Abstracts of the international workshop of the Romanian-French bilateral project PN II-CT-789/30.06.2014. Editura “Victor Babeș” Timișoara, 2016. ISBN 978-606-786-024-5.

