



Curriculum vitae



Personal information

First names / Surname **CRISTINA ADRIANA DEHELEAN**

Address
Telephones
Fax
E-mail
Nationality
Date of birth
Family

Occupational field

Work experience

2016 - present

Vice president - Advisory Committee of the Ministry of Health - Committee for Clinical Pharmacology, Toxicology and Toxic Dependence

Public Institution

2016 - present

Member - National Council for Attestation of University Titles, Diplomas and Certificates, Fundamental field - Biological and Biomedical Sciences, Pharmacy Committee

Public Institution

2015

„Victor Babeș” University of Medicine and Pharmacy Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timiș, Romania

2014 - present

„Victor Babeș” University of Medicine and Pharmacy Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timiș, Romania

Education - University, Research

2012 - present

Dean, Faculty of Pharmacy

„Victor Babeș” University of Medicine and Pharmacy Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timiș, Romania

Education – University

2009 – 2014

Associate Professor, Head of Toxicology Department

„Victor Babeș” University of Medicine and Pharmacy Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timiș, Romania

Education - University, Research

2004 - 2009

Lecturer, Head of Toxicology Department

„Victor Babeș” University of Medicine and Pharmacy Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timiș, Romania

Education - University, Research

2002 - 2004

Assistant Professor, Dermatopharmacy and Cosmetology

„Victor Babeș” University of Medicine and Pharmacy Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timiș, Romania

Education - University, Research

1999 - 2002

Preparator, Clinical Pharmacy

„Victor Babeș” University of Medicine and Pharmacy Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timiș, Romania

Education - University, Research

1996 - 1998

Pharmacist

Argefarm Pharmacy, Nr. 105 Abrud, Arad, Arad

Health

Work experience Scientific projects – see Annex

Main activities and responsibilities

Teaching activities – courses Toxicology, Methodology of Scientific Research, Toxic Plants, Pharmacovigilance, Postgraduate training courses, Coordinator and Lecturer in the master program *OTC drugs, dietary supplements, cosmetics*; Lecturer in the master program *Formulation and Evaluation of dermato-cosmetic product*, PhD students' Coordinator.

Scientific research activities – Toxicological studies – *in vitro* toxicological assessment (using healthy and tumor cell lines) of: vegetal extracts, natural and chemical active compounds, new formulations with impact on cancer and degenerative disease as prophylaxis or therapy, and metallic particles of nano and micro size (silver, gold, iron) as possible drug carriers; and *in vivo*: development of experimental models as: tumor models on mice and rats (skin cancer, breast cancer) and ear inflammation animal models, analyzed in terms of animal survival, treatment surveillance, and application of new non-invasive techniques of evaluation (for skin physiological parameters assessment).

Awards

PN-III-P1-1.1-PRECISI-2018-25824

The Cytotoxic Effects of Betulin-Conjugated Gold Nanoparticles as Stable Formulations in Normal and Melanoma Cells.

PN-III-P1-1.1-PRECISI-2018-25367

Stable PEG-coated silver nanoparticles - A comprehensive toxicological profile.

PN-III-P1-1.1-PRECISI-2018-21896

Rutin and its cyclodextrin inclusion complexes: physico-chemical evaluation and in vitro activity on B16A5 murine melanoma cell line

PN-III-P1-1.1-PRECISI-2018-25018

Synergistic antifungal, allelopathic and anti-proliferative potential of *Salvia officinalis* L., and *Thymus vulgaris* L. essential oils

PN-III-P1-1.1-PRECISI-2018-23950

Main isoflavones found in dietary sources as natural anti-inflammatory agents

PN-III-P1-1.1- PRECISI-2017-16345

Biocompatible Colloidal Suspensions Based on Magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Toxicological Profile

PN-III-P1-1.1-PRECISI-2017-20175 - Elemental Characterization of Romanian Crop Medicinal Plants by Neutron Activation Analysis

PN-III-P1-1.1-PRECISI-2017-15878

Physico-chemical and biological evaluation of flavonols: fisetin, quercetin and kaempferol alone and incorporated in beta cyclodextrins

PN-III-P1-1.1-PRECISI-2017-16931

Germinated and Ungerminated Seeds Extract from Two *Lupinus* Species: Biological Compounds Characterization and In Vitro and In Vivo Evaluations

PN-III-P1-1.1-PRECISI-2017-19875

Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental technique

PN-III-P1-1.1- PRECISI-2016- 12380

ATR-FTIR and Raman spectroscopic investigation of the electroporation-mediated transdermal delivery of a nanocarrier system containing an antitumour drug

PN-III-P1-1.1-PRECISI- 2016-12614

Sex differences and pathology status correlated to the toxicity of some common carcinogens in experimental skin carcinoma

PN-II-RUPRECISI-2015-9- 9716

Capsicum annuum extracts/beta-cyclodextrin complexes Thermal analyses-Karl Fischer water titration correlations and antioxidant activity

PN-II-RUPRECISI-2015-9- 9400

The Effect of Electroporation of a Lyotropic Liquid Crystal Genistein-Based Formulation in the Recovery of Murine Melanoma Lesions

PN-II-RUPRECISI-2015-9- 9340

Simultaneous and dose dependent melanoma cytotoxic and immune stimulatory activity of betulin

PN-II-RU-PRECISI-2015-9-9490

Behaviour of four different B16 murine melanoma cell sublines: C57BL/6J skin

PN-II-RU-PRECISI-2014-8-5767

Genistein in 1:1 inclusion complexes with ramified cyclodextrins: theoretical, physicochemical and biological evaluation

PN-II-RU-PRECISI-2014-8-6152

Betulinic acid as a potent and complex antitumor phytochemical: a minireview

PN-II-RU-PRECISI-2014-8-6529

The *Hydractinia echinata* Test-System. III: Structure-Toxicity Relationship Study of Some Azo-, Azo-Anilide, and Diazonium Salt Derivatives

PN-II-RU-PRECISI-2014-8-6440

The Synergistic Biologic Activity of Oleanolic and Ursolic Acids in Complex with Hydroxypropyl-gamma-Cyclodextrin

PN-II-RU-PRECISI-2014-8-6564

Betulinic Acid in Complex with a Gamma-Cyclodextrin Derivative Decreases Proliferation and in Vivo Tumor

PN-II-RU-PRECISI-2014-8-7272

Synthesis and thermal behavior of new ambazone complexes with some transitional cations

PN-II-PRECISI-2013-7-3924

Study of the betulin enriched birch bark extracts effects on human carcinoma cells and ear inflammation

PN-II-PRECISI-2013-7-3237

Synthesis and preliminary in vivo evaluations of polyurethane microstructures for transdermal drug delivery

PN-II-PRECISI-2013-7-2913

Changes in the anti-inflammatory activity of soy isoflavonoid genistein versus genistein incorporated in two types of cyclodextrin derivatives

PN-II-PRECISI-2013-7-2807

Betulin Complex in γ -Cyclodextrin Derivatives: Properties and Antineoplastic Activities in In Vitro and In Vivo Tumor Models

PN-II-RUPRECISI-2013- 7-3211

The occurrence of mycotoxins in wheat from western Romania and histopathological impact as effect of feed intake

PN-II-RUPRECISI- 2013-7- 2895

Effect of the isoflavone genistein on tumor size, metastasis potential and melanization in a B16 mouse model of murine melanoma

PN-II-RUPRECISI- 2013-7- 2812

Anti-Angiogenic and Anti-Cancer Evaluation of Betulin Nanoemulsion in Chicken Chorioallantoic Membrane and Skin Carcinoma in Balb/c Mice

PN-II-RUPRECISI- 2013-7- 2538

Betulinic acid suppresses NGAL-induced epithelial-to-mesenchymal transition in melanoma

Euroinvent, European exhibition of creativity and innovation editia a X-a, Silver medal for –In vitro antibacterial activity of some plant essential oils from Cupressaceae family –Pop C, Imbrea IM, Alexa EC, Imbrea F, Botau D, **Dehelean CA**, Danciu C 17-19 May 2018, Iasi, Romania

Premii brevet:

1. Gold medal and Diploma of excellence, Salonul international de inventică pro-invent, XIV Ed, 23-25 March 2016, Cluj-Napoca, Romania
2. Gold medal and Diploma of excellence, Euro-invent, 19-21 May, 2016, Iasi, Romania
3. Gold medal at 45 International Geneva Salon of Inventions - Switzerland, 29 March – 2 April , 2017
4. Bronze medal at the International invention-innovation showroom Traian Vuia Timisoara, 25-27 May 2016
5. Gold medal, Tesla fest, International Conference on Innovation and Intellectual Property, Novi Sad 12-15 October 2018
6. Official international merit certificate for contribution to innovation and excellent international cooperation, Tesla fest, International Conference on Innovation and Intellectual Property, Novi Sad 12-15 octombrie 2018

Gold medal brevet 122836 PHARMACEUTICAL OINTMENT AND OBTAINING PROCEDURE BASED ON MARIGOLD FLOWERS FROM HIGH ZINC ENRICHED SOILS Buxelles Eureka 2007 and silver medal at Geneva 2011

MEDIS 2006, 2012, 2013, Szeged 2009 (student competitions)

Education and training**2008**

Primary Pharmacist, Clinical Pharmacy

University of Medicine and Pharmacy Carol Davilla Bucharest, Romania

2004

PhD, Profile Analytical Chemistry / Pharmacy

University of Medicine and Pharmacy “Gr. T. Popa” Iasi, Iasi, Romania

2001

Specialist Pharmacist, Clinical Pharmacy

„Victor Babeș” University of Medicine and Pharmacy Timisoara, Romania

1998 - 2001

Residency in Clinical Pharmacy
County Hospital 1 Timisoara, Romania

1991 - 1996

Pharmacist
Faculty of Pharmacy, „Victor Babeş” University of Medicine and Pharmacy Timisoara, Romania

2005

Scholarship Certificate - Scholarship Leonardo da Vinci II RO, 2004, PL 93056-TD-Training of European Phytotherapists for Discovery of New Medications
Faculty of Pharmacy, University of Szeged, Szeged, Hungary

Personal skills and competences

Mother tongue

Romanian

Other languages

	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
English	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
French	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
Job-related skills	Excellent communication skills, social skills, leadership, decision making, ability to work under pressure, time management, conflict resolution, self-motivation and motivation of the colleagues, teamwork, creativity, dynamism, discipline, perseverance, analytical thinking, ability to build relationships, efficiency, adaptability, open-mindedness, empathy. The ability to communicate constructively in different social situations (to tolerate other points of view, to acknowledge individual and collective responsibility)									
Computer skills	Microsoft Office user (Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft Visio) Advanced level									
Additional informations	2008 – CNCSIS Evaluator, Toxicology area 2011 – ARACIS Evaluator, Health area Invited review-er: Food and Chemical Toxicology, Journal of AOAC International, Natural Product Research, Molecules Editorial Board Member: EC Pharmacology and Toxicology, Research and Clinical Medicine, World Research Journal Of Medicinal & Aromatic Plants 1st International Summer School of Medicinal Plant Pharmacology-Toxicology, 2-13 July 2018 Timișoara, România – Programme Coordinator WORKSHOP - Plantele medicinale în prezent – incidență, compoziție și utilizare (Medicinal Plants at present - incidence, composition and use), 16-17 October, 2018, Timișoara, România - Programme Coordinator WORKSHOP - Siguranța produselor pe bază de plante medicinale (Safety of medicinal plants products), 22-23 November, 2018, Timișoara, România - Programme Coordinator Member: SSFR, EUROTOX, AMAPSEEC, SRCC Quality Assurance Committee UMFVBT 2009-2011 Organizer scientific events: National Symposiums TIMISOARA 2005, 2008, TIMMEDICA 2011, workshop in bilateral project Romania-China, workshop in bilateral project Romania-Hungary									
Driving licence	B									
Annex	Scientific projects, Patents, Relevant publications									

Timisoara, January 2019 CRISTINA ADRIANA DEHELEAN

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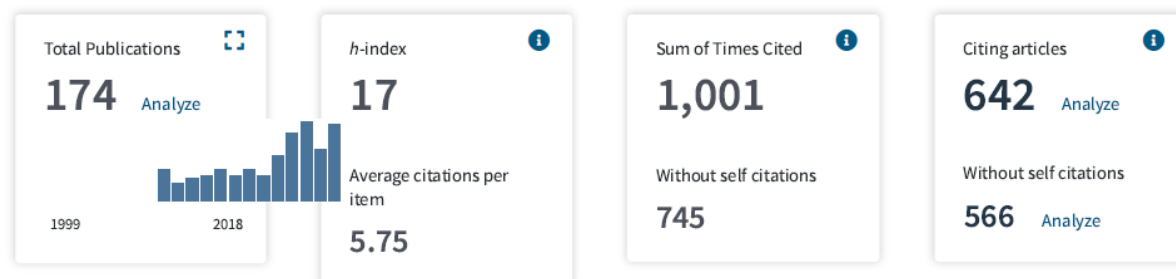
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ANNEX

SCIENTIFIC PROJECTS

Project Title	Position	Period
CNFIS – FDI – 2018 – 0159 „Centru de dezvoltare a abilităților practice în domeniul plantelor medicinale”	Project manager	2018 -
CNFIS – FDI – 2018 - 0459	Member	2018 -
PN-III-P1-1.1-PD-2016-1982 – Proiecte de Cercetare Postdoctorală, competiția 2016 ”Noi perspective privind mecanismul de acțiune al acidului betulinic ca agent antimelanom/ New insights into the antimelanoma mechanism of action of betulinic acid”	Mentor	2018-2020
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	2017-2019
Axa 1 a POC – ANCS/ POC-A1- A1.1.4 – E-2015 “Utilizarea modelelor nutrigenomice pentru personalizarea tratamentelor dietetice în obezitate” (The use of nutrigenomic models for personalization of dietetic treatments in obesity) (NUTRIGEN)	Scientific manager	2016-2019
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	2016-2018
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	2016-2018
Grant PN-II-PT-PCCA, contract 110/2014 “Recuperarea avansată a produselor utile din deșeurile de	Member	2014-2017

catalizatori uzați” (Advanced recovery of useful products from used catalysers waste) (REMACAT)		
UEFISCDI Bilateral project Romania – France nr.791/30.06.2014 “Obținerea micro-cristalelor de triterpene pentaciclice și studiul modificărilor lor” (Obtaining pentacyclic triterpene micro - crystals and pharmaceutical toxicology study of their changes in experimental models)	Member	2014-2016
UEFISCDI Bilateral project Romania-France RO-FR 789/30.06.2014 “Nanostructuri cu aurone, chalcone și extracte vegetale standardizate: dezvoltarea unui nou prototip de agent chemopreventiv și antiinflamator” (Nanostructures with aurones, chalcones and standardized vegetal extracts: development of a new prototype of chemopreventiv and anticancer agent)	Member	2014-2016
P III-C1-PCFI-2014/2015-03 “Noi abordări farmaceutice pentru modularea biodisponibilității unor flavonoide cu potențial chemopreventiv pentru melanomul malign” (New pharmaceutical options for some Flavonoids bioavailability modulation with chemopreventiv potential in malignant melanoma)	Project manager	2014-2016
UEFISCDI, bilateral project Romania-Hungary CT- 665/22.04.2013 “Evaluarea impactului radiațiilor UV și al terapiei anti-tumorale asupra fibroblaștilor dermici și în cancerul cutanat experimental” (Impact assessment of UV radiation and antitumor therapy on dermal fibroblasts and in experimental skin cancer)	Project manager	2013-2014
UEFISCDI, bilateral projects Romania-Hungary CT- 674/22.04.2013, “Evaluarea unor formulări farmaceutice moderne obținute prin complexarea unor triterpene pentaciclice cu derivați polizaharidici funcționalizați” (Evaluation of some modern pharmaceutical formulations obtained by complexation of some pentacyclic triterpenes with polysaccharides functionalised derivatives)	Member	2013-2014
SEE-ERA.NET PLUS Joint project 139/01 reference number: ERA 139/01 “Systems to reduce mycotoxins contamination of cereals and medicinal plants in order to preservation native species and traditional products in Romania-Serbia-Croatia area”	Member	2010-2012
International Project Romania-China 198/2009 „Antioxidant activity of Chinese materia medica and its chemical composition”	Project manager	2009-2010
TÁMOP-4.2.2-08/1-2008-0001 “International photobiological interdisciplinary research of the interactions of environmental and genomic factors, and processing new diagnostic and therapeutic methods”	Romanian team manager	2009-2011
Project CNCSIS IDEI 2284 „Diagnosticarea cancerului și monitorizarea terapeutică prin tehnici Raman ultrasensibile” (Cancer diagnosis and therapeutical monitoring by ultrasensitive Raman spectroscopic techniques)	Member	2008-2011
Grant PN II 1257/2007 „Studiul implementării unor bioproduși antitumorali vegetali de tip triterpenic inclusiv prin formare de nanostructuri, în terapii cutanate, prin analiza eficacitate/toxicitate” (Study of	Project manager	2007-2010

implementation of vegetal antitumor bioproducts of triterpenic type by nanostructure formation, in skin therapies, by efficacy/toxicity analysis)		
Grant INOVARE 69/2007 „Dezvoltarea unui produs fitofarmaceutic destinat terapiei adjuvante și de prevenire a neoplaziei mamare” (Development of a phytopharmaceutical compound as adjuvant in treatment and prevention of breast cancer)	Project manager	2007-2010
Grant CNCIS AT 173/2007 „Elaborarea unor bioproduse cu compuși triterpenici și ciclodextrine și analiza eficacitate/nocivitate a acestora în patologii cutanate” (Elaboration of bioproducts with triterpenic compounds and cyclodextrins and their efficacy/toxicity analysis in skin pathologies)	Project manager	2007-2008
Project CEEEX cod 30/2006 „Evaluarea conținutului de metale grele din sol cu ajutorul plantelor bioindicatoare și valorificarea acestora în scopuri terapeutice” (The evaluation of soil heavy metals content using bioindicators plants and their therapeutic added value)	Member	2006-2008
Project CEEEX ET 35/2006 „Biotehnologii pentru obținerea de bioproduse rezultate prin valorificarea indicatorilor vegetali ai metalelor din sol” (Biotechnologies for bioproducts preparation using the valorification of vegetal indicators of metals from soil)	Member	2006-2008
Project CEEEX 10/ 2005 „Studiul bioactivității sinergice a alimentelor funcționale antioxidante în reversibilitatea sindromului metabolic” (The study of the synergic bioactivity of functionalized antioxidant aliments in reversibility of metabolic syndrome) (BIOTECH)	Member	2005-2007
Leonardo da Vinci, Agreement No. RO-2004-PL 93056-TD Training of „European Phytotherapists for Discovery of New Medications”	Member	2005

PATENTS

Jumanca D, Galuscan A, Florita S, Podariu A, Florita Z, **Dehelean C**, Borcan F. *Compoziție pentru pastă de dinți* (Composition for toothpaste) Patent no 127805, OSIM / 28.II.2014.

Jumanca D, Gălușcan A, Borcan F, Florița S, **Dehelean C**, Florița Z. *Procedeu și dispozitiv pentru producerea nanogelurilor și microgelurilor pe bază de silicați alcalino-pământoși* (Procedure and device for producing nanogels and microgels based on alcalino-grand silicates) Patent no 128480, OSIM / 26.II.2016.

Co-author patent application: Unguent antibacterian pe bază de extract de măghiran (*Origanum majorana* L.) și scoarță de mesteacăn (*Betula pendula* Roth.), Registry office OMIS A/01015/17.12.2015, Prof. Georgeta Pop, Prof. Ersilia Alexa, Prof. Imbre Ilinca, Prof. Palicica Radu, Prof. Cristina Dehelean, S.I. Danciu Corina, Asist. drd. Florina Andrica, published in the Official Industrial Property Bulletin, Section Brevete de Inventie, Nr.6, 2016

BOOK CHAPTERS (INTERNATIONAL ED.)

Simona Cîntă Pinzaru, A. Fălămaș, **C.A. Dehelean**. Chapter 6 - Raman Spectroscopy: A Key Analytical Tool for New Drugs Research and Development. Studies in Natural Products Chemistry Volume 61, 2018, Pages 211-250. DOI: 10.1016/B978-0-444-64183-0.00006-3 ISBN: 978-0-444-64183-0 ISSN: 1572-5995 Copyright © 2019 Elsevier B.V. All rights reserved

Codruta Soica, Iulia Pinzaru, Cristina Trandafirescu, Florina Andrica, Corina Danciu, Marius Mioc, Dorina Coricovac, Cassian Sitaru, **Cristina Dehelean**. Chapter 5 - Silver-, gold-, and iron-based metallic nanoparticles: Biomedical applications as theranostic agents for cancer, Pages 161-242, in Design of Nanostructures for Theranostics Applications. Edited by: Alexandru Mihai Grumezescu ISBN: 978-0-12-813669-0. Elsevier 2018

Elena Alina Moacă, Elena Dorina Coricovac, Codruta Marinela Soica, Iulia Andreea Pinzaru, Cornelia S Păcurariu, **Cristina Adriana Dehelean**. Chapter - Preclinical aspects on magnetic iron oxides nanoparticles and their interventions as anticancer agents: enucleation, apoptosis and other mechanism in "IRON ORES AND IRON OXIDE MATERIALS" Book edited by: Dr. Volodymyr Shatokha, ISBN 978-1-78923-320-9

Codruța Șoica, Diana Antal, Florina Andrica, Roxana Băbuța, Alina Moacă, Florina Ardelean, Roxana Ghiulai, Stefana Avram, Corina Danciu, Dorina Coricovac, **Cristina Dehelean**. Lupan-Skeleton Pentacyclic Triterpenes with Activity against Skin Cancer: Preclinical Trials Evolution. "Unique Aspects of Anti-cancer Drug Development", book edited by Jolanta Natalia Latosinska and Magdalena Latosinska, ISBN 978-953-51-3348-3, Print ISBN 978-953-51-3347-6. DOI: 10.5772/intechopen.68908

Stefana Avram, Roxana Ghiulai, Ioana Zinuca Pavel, Marius Mioc, Roxana Babuta, Mirela Voicu, Dorina Coricovac, Corina Danciu, **Cristina Dehelean** and Codruta Soica- Phytocompounds targeting cancer angiogenesis using the chorioallantoic membrane assay, "Phytochemistry - Natural Products and Cancer", ISBN 978-953-51-3314-8, Print ISBN 978-953-51-3313-1, Intech 2017

Corina Danciu, Suciu Oana, Diana Simona Antal, Florina Ardelean, Aimée Rodica Chiș, Codruța Șoica, Florina Andrica, **Cristina Dehelean**, Vlaicu Brigitha- New insights regarding the potential health benefits of isoflavones, "Flavonoids", Ed. José Justino, ISBN 978-953-51-5338-2, Intech, 257-286, 2017

Danciu Corina, Soica Codruta, Antal Diana, Alexandra Popescu, Stefana Avram, Roxana Ghiulai, Ioana Zinuca Pavel, Minda Daliana, **Cristina Dehelean**- An update of natural compounds and their modern formulations for the management of malignant melanoma, "Phytochemistry - Natural Products and Cancer", Ed. Farid A. Badria, ISBN 978-953-51-3314-8, Print ISBN 978-953-51-3313-1, Intech, 211-253, 2017

Dorina E. Coricovac, **Cristina A. Dehelean**, in Toxicology Studies – Cells, Drugs and Environment, ed. Ana Cristina Andrezza and Gustavo Scola: **Pathological Aspects with Global Impact Induced by Toxicants at Cellular Level**; InTech, Rijeka, 2015, Chapter 1, pp. 3-21, ISBN 978-953-51-2140-4.

Codruța Șoica, Cristina Trandafirescu, Florin Borcan, Corina Danciu, Georgeta Simu, **Cristina Dehelean**, **Nanoformulations with cyclodextrins as carriers for skin targeting of active drugs**, in: Biotechnology- Novel Drug Delivery, Vol. 8, pag 29-56, Series ISBN: 1-62699-015-8, Vol. ISBN No.: 1-62699-023-9, 2014, Studium press LLC, Houston, USA

Corina Danciu, **Cristina Dehelean**, Codruta Soica, **Natural Compound Genistein: From Consecrated to New Utilizations and Formulations**, Chapter 2, in: Biotechnology - Drug Discovery, Vol. 7, pp. 43-61, Series ISBN: 1-62699-022-0, Vol. ISBN: 1-62699-015-8, 2014, Studium Press, LLC, Houston, USA

Borza C, Muntean D, **Dehelean C**, Săvoiu G, Șerban C, Simu G, Andoni M, Butur M, Drăgan S, **Molecular aspects of lipid metabolism**, Chapter 2 – Oxidative stress and lipid peroxidation – a lipid metabolism

dysfunction, in: Lipid metabolism, editor Rodrigo Valenzuela Baez, pp. 21-39, Ed. INTECH, www.intechopen.com 2013; ISBN 978-953-51-0944-0

RELEVANT PUBLICATIONS

2019

1. Danciu, C; Pinzaru, I; Coricovac, D; 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. EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS 134, 1–19, 2019 DOI: 10.1016/j.ejpb.2018.11.006 **IF = 4.491**
2. Ursoniu, S; Sahebkar, A; Serban, MC; Pinzaru, I; **Dehelean, C**; Noveanu, L; Rysz, J; Banach, M. A systematic review and meta-analysis of clinical trials investigating the effects of flaxseed supplementation on plasma C-reactive protein concentrations. ARCHIVES OF MEDICAL SCIENCE 15(1), 12-22, Jan 2019. DOI: 10.5114/aoms.2018.81034 **IF = 2.344**
3. Elena-Alina Moaca, Claudia Farcas, 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 Vol. 15, 1–17, 2019 www.aspbs.com/jbn **IF = 5.068**

2018

4. 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. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 19(11), 3600, Nov 2018. DOI: 10.3390/ijms19113600 **IF = 3.687**
5. Danciu, C; Zupko, I; Bor, A; Schwiebs, A; Radeke, H; Hancianu, M; Cioanca, O; Alexa, E; Oprean, C; Bojin, F; Soica, C; Paunescu, V; **Dehelean, CA***. Botanical Therapeutics: Phytochemical Screening and Biological Assessment of Chamomile, Parsley and Celery Extracts against A375 Human Melanoma and Dendritic Cells. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 19(11), 3624, Nov 2018. DOI: 10.3390/ijms19113624 **IF = 3.687**
6. 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 134(2), 1375-1384, Nov 2018. **IF = 2.209**
7. Circioban, D; Ledeti, A; Vlase, G; Moaca, A; Ledeti, I; Farcas, C; Vlase, T; **Dehelean, C***. Thermal degradation, kinetic analysis and evaluation of biological activity on human melanoma for artemisinin. JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 134(1), 741-748, Oct 2018. DOI: 10.1007/s10973-018-7497-z **IF = 2.209**
8. Circioban, D; Ledeti, I; Vlase, G; Ledeti, A; Axente, C; Vlase, T; **Dehelean, C***. Kinetics of heterogeneous-induced degradation for artesunate and artemether. JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 134(1), 749-756, Oct 2018. DOI: 10.1007/s10973-018-7257-0 **IF = 2.209**
9. Sturza, A; Pavel, I; Ancusa, S; Danciu, C; **Dehelean, C**; Duicu, O; Muntean, D. Quercetin exerts an inhibitory effect on cellular bioenergetics of the B164A5 murine melanoma cell line. MOLECULAR AND CELLULAR BIOCHEMISTRY 447(1-2), 103-109, Oct 2018. DOI: 10.1007/s11010-018-3296-x **IF = 2.561**

10. 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. *FRONTIERS IN CHEMISTRY* 6, Article number 373, Aug 2018. DOI: 10.3389/fchem.2018.00373 **IF = 4.155**
11. Cheverasan, A; Mioc, M; Simu, S; Soica, C; **Dehelean, C**; Szasz, F; Navolan, D; Poenaru, M. Binding Affinity of 17-beta-ethinylestradiol to Normal and Mutant Types of Estrogen Receptors. *REVISTA DE CHIMIE* 69(8), 2067-2070, Aug 2018 **IF = 1.412**
12. 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. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES* 19(6), Article number 1566, Jun 2018. DOI: 10.3390/ijms19061566 **IF = 3.687**
13. Mioc, M; Pavel, IZ; Ghiulai, R; Coricovac, DE; Farcas, C; Mihali, CV; Oprean, C; Serafim, V; Popovici, RA; **Dehelean, CA**; Shtilman, MI; Tsatsakis, AM; Soica, C. The Cytotoxic Effects of Betulin-Conjugated Gold Nanoparticles as Stable Formulations in Normal and Melanoma Cells. *FRONTIERS IN PHARMACOLOGY* 9, Article number 429, May 2018. DOI: 10.3389/fphar.2018.00429 **IF = 3.831**
14. Danciu, C; Pinzaru, IA; **Dehelean, CA**; Hancianu, M; Zupko, I; Navolan, D; Licker, M; Ghiulai, RM; Soica, CM. Antiproliferative and antimicrobial properties of pure and encapsulated rutin. *FARMACIA* 66(2), 302-308, Mar-Apr 2018. **IF = 1.507**
15. Falamas, A; Dehelean, CA; Pinzaru, SC. Monitoring of betulin nanoemulsion treatment and molecular changes in mouse skin cancer using surface enhanced Raman spectroscopy. *VIBRATIONAL SPECTROSCOPY* 95, 45-50, Mar 2018. DOI: 10.1016/j.vibspec.2018.01.004 **IF = 1.363**
16. Cocan, I; Alexa, E; Danciu, C; Radulov, I; Galuscan, A; Obistioiu, D; Morvay, AA; Sumalan, RM; Poiana, MA; Pop, G; **Dehelean, CA***. Phytochemical screening and biological activity of Lamiaceae family plant extracts. *EXPERIMENTAL AND THERAPEUTIC MEDICINE* 15(2), 1863-1870, Feb 2018. DOI: 10.3892/etm.2017.5640 **IF = 1.41**
17. Danciu, C; Soica, C; Antal, D; Alexa, E; Pavel, IZ; Ghiulai, R; Ardelean, F; Babuta, RM; Popescu, A; **Dehelean, CA***. Natural Compounds in the Chemoprevention of Malignant Melanoma. *ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY* 18(5), 631-644, 2018. DOI: 10.2174/1871520617666171121142522 **IF = 2.556**
18. Bakonyi, M; Berko, S; Eros, G; Varju, G; **Dehelean, CA**; Budai-Szucs, M; Csanyi, E. A Review of Electroporation-based Antitumor Skin Therapies and Investigation of Betulinic Acid-loaded Ointment. *ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY* 18(5), 693-701, 2018. DOI: 10.2174/1871520617666171113120255 **IF = 2.556**
19. Belei, O; Olariu, L; Puiu, M; Jinca, C; **Dehelean, C**; Marcovici, T; Marginean, O. Continuous esomeprazole infusion versus bolus administration and second look endoscopy for the prevention of rebleeding in children with a peptic ulcer. *REVISTA ESPANOLA DE ENFERMEDADES DIGESTIVAS* 110(6), 352-357, 2018. DOI: 10.17235/reed.2018.4864/2017 **IF = 1.632**
20. Moaca, EA; Farcas, C; Ghitu, A; Coricovac, D; Popovici, R; Caraba-Meita, NL; Ardelean, F; Antal, DS; **Dehelean, C**; Avram, S. A Comparative Study of Melissa officinalis Leaves and Stems Ethanolic Extracts in terms of Antioxidant, Cytotoxic, and Antiproliferative Potential. *EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE* Article number 7860456, 2018. DOI: 10.1155/2018/7860456 **IF = 2.064**
21. Danciu, C; Avram, S; Pavel, IZ; Ghiulai, R; **Dehelean, CA**; Ersilia, A; Minda, D; Petrescu, C; Moaca, EA; Soica, C. Main Isoflavones Found in Dietary Sources as Natural Anti-inflammatory Agents. *CURRENT DRUG TARGETS* 19(7), 841-853, 2018. DOI: 10.2174/1389450118666171109150731 **IF = 3.112**

22. Tanase, C; Domokos, E; Cosarca, S; Miklos, A; Imre, S; Domokos, J; **Dehelean, CA***. Study of the Ultrasound-assisted Extraction of Polyphenols from Beech (*Fagus sylvatica* L.) Bark. *BIORESOURCES* 13(2), 2247-2267, 2018. DOI: 10.15376/biores.13.2.2247-2267 **IF = 1.202**
23. 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* 69(1), 121-124, Jan 2018. **IF = 1.412**
24. Alexa, E; Sumalan, RM; Danciu, C; Obistioiu, D; Negrea, M; Poiana, MA ; Rus, C; Radulov, I; Pop, G; **Dehelean, C***. Synergistic Antifungal, Allelopathic and Anti-Proliferative Potential of *Salvia officinalis* L., and *Thymus vulgaris* L. Essential Oils. *MOLECULES* 23(1), Article number 185, Jan 2018. DOI: 10.3390/molecules23010185 **IF = 3.098**
25. Pinzaru, I; Coricovac, D; **Dehelean, C**; Moaca, EA; Mioc, M; Baderca, F; Sizemore, I; Brittle, S; Marti, D; Calina, CD; Tsatsakis, AM; Soica, C. Stable PEG-coated silver nanoparticles - A comprehensive toxicological profile. *FOOD AND CHEMICAL TOXICOLOGY* 111, 546-556, Jan 2018. DOI: 10.1016/j.fct.2017.11.051 **IF = 3.977**
26. Ledeti, A; Vlase, G; Vlase, T; Circioban, D; **Dehelean, C**; Ledeti, I. Kinetic study for solid-state degradation of mental disorder therapeutic agents Amitriptyline, desipramine and imipramine. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY* 131(1), 155-165, Jan 2018, DOI: 10.1007/s10973-016-6064-8 **IF = 2.209**
27. Ledeti, A; Vlase, G; Vlase, T; Circioban, D; **Dehelean, C**; Ledeti, I; Suta, LM. Binary adduct formation of desipramine with dicarboxylic acids An instrumental study. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY* 131(1), 167-173, Jan 2018. DOI: 10.1007/s10973-016-5967-8 **IF = 2.209**
28. Ledeti, I; Budiul, M; Matusz, P; Vlase, G; Circioban, D; **Dehelean, C**; Suta, LM; Caunii, A ; Ledeti, A; Vlase, T; Murariu, M; Bolintineanu, S. Preformulation studies for nortriptyline Solid-state compatibility with pharmaceutical excipients *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY* 131(1), 191-199, Jan 2018. DOI: 10.1007/s10973-017-6269-5 **IF = 2.209**
29. Alexa, E; Danciu, C; Radulov, I; Obistioiu, D; Sumalan, RM; Morar, A; **Dehelean, CA***. Phytochemical Screening and Biological Activity of *Mentha x piperita* L. and *Lavandula angustifolia* Mill. Extracts. *ANALYTICAL CELLULAR PATHOLOGY* Article Number: 2678924, 2018. DOI: 10.1155/2018/2678924 **IF = 1.574**

2017

30. Ungureanu, A; Zlatian, O; Mitroi, G; Drocas, A; Tirca, T; Calina, D; **Dehelean, C**; Docea, AO; Izotov, BN; Rakitskii, VN; Cioboata, R; Spandidos, DA; Tsatsakis, AM; Gaman, A. *Staphylococcus aureus* colonisation in patients from a primary regional hospital. *MOLECULAR MEDICINE REPORTS* 16(6), 8771-8780, Dec 2017. DOI: 10.3892/mmr.2017.7746 **IF = 1.922**
31. Caunii, A; Oprean, C; Cristea, M; Ivan, A; Danciu, C; Tatu, C; Paunescu, V; Marti, D; Tzanakakis, G; Spandidos, DA; Tsatsakis, A; Susan, R; Soica, C; Avram, S; **Dehelean, C***. Effects of ursolic and oleanolic on SK-MEL-2 melanoma cells: In vitro and in vivo assays. *INTERNATIONAL JOURNAL OF ONCOLOGY* 51(6), 1651-1660, Dec 2017. **IF = 3.333**
32. Serafim, V; Shah, A; Puiu, M; Andreescu, N; Coricovac, D; Nosyrev, AE; Spandidos, DA; Tsatsakis, AM; **Dehelean, C**; Pinzaru, J. Classification of cancer cell lines using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and statistical analysis. *INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE* 40(4), 1096-1104, Oct 2017. DOI: 10.3892/ijmm.2017.3083 **IF = 2.784**
33. Ledeti, I; Bolintineanu, S; Vlase, G; Circioban, D; **Dehelean, C**; Suta, LM; Caunii, A; Ledeti, A; Vlase, T; Murariu, M. Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental techniques. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY* 130(1), 425-431, Oct 2017. DOI: 10.1007/s10973-017-6250-3 **IF = 2.209**

34. Avram, S; Coricovac, DE; Pavel, IZ; Pinzaru, J; 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. *ONCOLOGY REPORTS* 38(1), 89-99, Jul 2017. DOI: 10.3892/or.2017.5658 **IF = 2.976**
35. 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* 68(6), 1229-1233, Jun 2017. **IF = 1.412**
36. Pavel, IZ; **Dehelean, CA**; Farczadi, L; Muntean, DM; Vlase, L; Danciu, C; Csuk, R; Birsasteanu, F; Muntean, DM. Assessment of a Maslinic Acid Derivative and its Metabolite in Rat Blood by Liquid Chromatography Coupled with Mass Spectrometry. *REVISTA DE CHIMIE* 68(5), 1089-1094, May 2017. **IF = 1.412**
37. Pavel, IZ; Parvu, AE; **Dehelean, CA**; Vlase, L; Csuk, R; Muntean, DM. Assessment of the antioxidant effect of a maslinic acid derivative in an experimental model of acute inflammation. *FARMACIA* 65(3), 390-395, May-Jun 2017. **IF = 1.507**
38. Mioc, M; Soica, C; Bercean, V; Avram, S; Balan-Porcarasu, M; Coricovac, D; Ghiulai, R; Muntean, D; Andrica, F; **Dehelean, C*(coresp)**; 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. *INTERNATIONAL JOURNAL OF ONCOLOGY* 50(4), 1175-1183, Apr 2017. DOI: 10.3892/ijo.2017.3912 **IF = 3.333**
39. 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. *FRONTIERS IN PHARMACOLOGY* 8, Article Number: UNSP 154, Mar 2017. DOI: 10.3389/fphar.2017.00154 **IF = 3.831**
40. Danciu, C; Pavel, IZ; Babuta, R; Ersilia, A; Suci, O; Pop, G; Soica, C; **Dehelean, C**; Radulov, I. Total phenolic content, FTIR analysis, and antiproliferative evaluation of lupin seeds harvest from western Romania. *ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE* 24(4), 726-731, 2017. DOI: 10.26444/aaem/80795 **IF = 1.116**
41. Haidu, D; Parkanyi, D; Moldovan, RI; Savii, C; Pinzaru, I; **Dehelean, C**; Kurunczi, L. Elemental Characterization of Romanian Crop Medicinal Plants by Neutron Activation Analysis. *JOURNAL OF ANALYTICAL METHODS IN CHEMISTRY* Article Number: 9748413, 2017. DOI: 10.1155/2017/9748413 **IF = 1.262**
42. Corina, D; Bojin, F; Ambrus, R; Muntean, D; Soica, C; Paunescu, V; Cristea, M; Pinzaru, I; **Dehelean, C***. Physico-chemical and Biological Evaluation of Flavonols: Fisetin, Quercetin and Kaempferol Alone and Incorporated in beta Cyclodextrins. *ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY* 17(4), 615-626, 2017. DOI: 10.2174/1871520616666160621105306 **IF = 2.556**
43. Coricovac, DE; **Dehelean, CA*(coresp)**; 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* 65(1), 125-131, Jan-Feb 2017. **IF = 1.507**

2016

44. Trandafirescu, C; Borcan, F; **Dehelean, C**; Szabadai, Z; Nicolov, M; Soica, C. Study of the Interaction of Albendazole with Benzoic Acid. I, *REVISTA DE CHIMIE* 67(11), 2370-2374, Nov 2016. **IF = 1.232**
45. Oprean, C; Zambori, C; Borcan, F; Soica, C; Zupko, I; Minorics, R; Bojin, F; Ambrus, R; Muntean, D; Danciu, C; Pinzaru, IA; **Dehelean, C**; Paunescu, V; Tanasie, G. Anti-proliferative and antibacterial in vitro evaluation of the polyurethane nanostructures incorporating pentacyclic triterpenes. *PHARMACEUTICAL BIOLOGY* 54(11), 2714-2722, Nov 2016. DOI: 10.1080/13880209.2016.1180538 **IF = 1.916**

46. Oprean, C; Mioc, M; Csanyi, E; Ambrus, R; Bojin, F; Tatu, C; Cristea, M; Ivan, A; Danciu, C; **Dehelean, C**; Paunescu, V; Soica, C. Improvement of ursolic and oleanolic acids' antitumor activity by complexation with hydrophilic cyclodextrins. BIOMEDICINE & PHARMACOTHERAPY 83, 1095-1104, Oct 2016. DOI: 10.1016/j.biopha.2016.08.030 **IF = 2.759**
47. Oprean, C; Borcan, F; Pavel, I; Dema, A; Danciu, C; Soica, C; **Dehelean, C**; Nicu, A; Ardelean, A; Cristea, M; Ivan, A; Tatu, C; Bojin, F. In Vivo Biological Evaluation of Polyurethane Nanostructures with Ursolic and Oleanolic Acids on Chemically-induced Skin Carcinogenesis. IN VIVO 30(5), 633-638, Sep-Oct 2016. **IF = 0.953**
48. **Dehelean, CA***; Soica, C; Pinzaru, I; Coricovac, D; Danciu, C; Pavel, I; Borcan, F; Spandidos, DA; Tsatsakis, AM; Baderca, F. FOOD AND CHEMICAL TOXICOLOGY 95, 149-158, Sep 2016. DOI: 10.1016/j.fct.2016.07.007 **IF = 3.778**
49. Antal, DS; Pinzaru, I; Borcan, F; Marti, TD; Ledeti, I; Coricovac, D; Schwaiger, S; Stuppner, H; **Dehelean, CA*(coresp)**; 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 67(6), 1104-1109, Jun 2016. **IF = 1.232**
50. 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 53(2), 205-210, Jun 2016. **IF = 0.778**
51. Trandafirescu, C; Soica, C; Ledeti, A; Borcan, F; Suta, LM; Murariu, M; **Dehelean, C**; Ionescu, D; Ledeti, I. Preformulation Studies for Albendazole A DSC and FTIR analysis of binary mixtures with excipients. REVISTA DE CHIMIE 67(3), 463-467, Mar 2016. **IF = 1.232**
52. Popovici, RA; Rusu, LC; Podariu, AC; Motoc, O; Motoc, V; **Dehelean, C**; Pinzaru, I. The in vitro Effects of Several Products of Dental Use on Tumor Cell Lines. REVISTA DE CHIMIE 67(3), 517-519, Mar 2016. **IF = 1.232**
53. Ledeti, I; Vlase, G; Vlase, T; Murariu, M; Trandafirescu, C; Soica, C; Suta, LM; **Dehelean, C**; Ledeti, A. Non-isothermal Isoconversional Kinetic Study Regarding the Degradation of Albendazole. REVISTA DE CHIMIE 67(3), 549-552, Mar 2016. **IF = 1.232**
54. Andrica, FM; Draghici, GA; Soica, C; Pinzaru, I; Coricovac, D; Citu, C; **Dehelean, C***. Antioxidant Activity Assessment of Ethanolic Spirulina Extracts. REVISTA DE CHIMIE 67(2), 289-290, Feb 2016. **IF = 1.232**
55. 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 67(2), 291-296, Feb 2016. **IF = 1.232**
56. Ledeti, A; Vlase, G; Ledeti, I; Vlase, T; Matusz, P; **Dehelean, C**; Circioban, D; Stelea, L; Suta, LM. Thermal Stability of Desipramine and Imipramine. REVISTA DE CHIMIE 67(2), 336-338, Feb 2016. **IF = 1.232**
57. Vlaia, LL; Vlaia, V; Olariu, IV; Mut, AM; Gafitanu, CA; **Dehelean, C**; Navolan, D; Lupuleasa, D; Coneac, GH. Preparation and Characterization of Inclusions Complexes Between Propolis Ethanolic Extracts and 2-hydroxypropyl-beta-cyclodextrin. REVISTA DE CHIMIE 67(2), 378-381, Feb 2016. **IF = 1.232**
58. Avram, S; Danciu, C; Pavel, IZ; Ceausu, RA; Avram, S; **Dehelean, C**; Raica, M. Polyphenols, Antioxidant Activity and Anti-angiogenic Potential of Red and White Grapes. REVISTA DE CHIMIE 67(2), 382-385, Feb 2016. **IF = 1.232**
59. Andor, B; Danciu, C; Alexa, E; Zupko, I; Hoge, E; Cioca, A; Coricovac, D; Pinzaru, I; Patrascu, J; 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 Article Number: 7638542, 2016. DOI: 10.1155/2016/7638542 **IF = 1.74**

60. Pavel, IZ; Danciu, C; Oprean, C; **Dehelean, CA**; Muntean, D; Csuk, R; Muntean, DM. In Vitro Evaluation of the Antimicrobial Ability and Cytotoxicity on Two Melanoma Cell Lines of a Benzylamide Derivative of Maslinic Acid. ANALYTICAL CELLULAR PATHOLOGY Article Number: 2787623, 2016. DOI: 10.1155/2016/2787623 **IF = 1.078**
61. Soica, C; Coricovac, D; **Dehelean, C*(coresp)**; Pinzaru, I; Mioc, M; Danciu, C; Fulias,; Puiu, M; Sitaru, C. Nanocarriers as Tools in Delivering Active Compounds for Immune System Related Pathologies. RECENT PATENTS ON NANOTECHNOLOGY 10(2), 128-145, 2016. DOI: 10.2174/1872210510999160427113345 **IF = 0.912**
62. Vlad, DC; Popescu, R; Dumitrascu, V; Cimporescu, A; Vlad, CS; Vagvolgyi, C; Krisch, J; **Dehelean, C**; Horhat, FG. Phytocomponents identification in Mistletoe (*Viscum album*) young leaves and branches, by GC-MS and antiproliferative effect on HEPG2 and MCF7 cell lines. FARMACIA 64(1), 82-87, Jan-Feb 2016. **IF = 1.348**
63. Avram, S; Avram, S; **Dehelean, C***. Effective Predictor of Human Mast Cell Tryptase Inhibitors. REVISTA DE CHIMIE 67(1), 119-122, Feb 2016. **IF = 1.232**
64. Balazs, B; Sipos, P; Danciu, C; Avram, S; Soica, C; **Dehelean, C**; Varju, G; Eros, G; Budai-Szucs, M; Berko, S; Csanyi, E. ATR-FTIR and Raman spectroscopic investigation of the electroporation-mediated transdermal delivery of a nanocarrier system containing an antitumour drug. BIOMEDICAL OPTICS EXPRESS 7(1), 67-78, Jan 2016. DOI: 10.1364/BOE.7.000067 **IF = 3.337**

2015

65. Circioban, D; **Dehelean, C**; Suta, LM; Murariu, M; Vlase, G; Nita, L; Soica, C; Fulias, A. Synthesis and Physico-chemical Characterization of Theophylline-succinic Acid Binary Adduct. REVISTA DE CHIMIE 66(12), 1982-1985, Dec 2015. **IF = 0.956**
66. Andoni, M; Patrascu, JM; **Dehelean, CA**; Simu, GM; Soica, C; Antal, D; Pop, R. Comparisons Between Tridentate Bis(benzazoles)-pyridine and Bis(benzazoles)triazine Ligands: a Theoretical Study. CROATICA CHEMICA ACTA 88(3), 241, Dec 2015. DOI: 10.5562/cca2647 **IF = 0.732**
67. Ledeti, I; Avram, S; Bercean, V; Vlase, G; Vlase, T; Ledeti, A; Zupko, I; Mioc, M; Suta, LM; Soica, C; **Dehelean, C***. Solid-State Characterization and Biological Activity of Betulonic Acid Derivatives. MOLECULES 20(12), 22691-22702, Dec 2015. DOI: 10.3390/molecules201219876 **IF = 2.465**
68. Pavel, IZ; Duicu, OM; Danciu, C; **Dehelean, C**; Bojin, FM; Paunescu, V; Muntean, DM; Sturza, A; Noveanu, L. Immune and Bioenergetic Profiling of a Human Dermal Fibroblast Cell Line. REVISTA DE CHIMIE 66(11), 1755-1758, Nov 2015. **IF = 0.956**
69. Coricovac, D; Soica, C; Muntean, D; Popovici, RA; **Dehelean, CA**; Hogeia, E. Assessment of the Effects Induced by Two Triterpenoids on Liver Mitochondria Respiratory Function Isolated from Aged Rats. REVISTA DE CHIMIE 66(10), 1707-1710, Oct 2015. **IF = 0.956**
70. Danciu, C; Berko, S; Varju, G; Balazs, B; Kemeny, L; Nemeth, IB; Cioca, A; Petrus, A; **Dehelean, C**; Cosmin, CI; Amaricai, E; Toma, CC. The Effect of Electroporation of a Lyotropic Liquid Crystal Genistein-Based Formulation in the Recovery of Murine Melanoma Lesions. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 16(7), 15425-15441, Jul 2015. DOI: 10.3390/ijms160715425 **IF = 3.257**
71. Antal, DS; Citu, C; Ardelean, F; **Dehelean, C*(coresp)**; Vlaia, L; Soica, C; Vlaia, V; Biris, M; Sas, I. Metallome of *Origanum vulgare*: the unknown side of a medicinal and aromatic plant used worldwide. FARMACIA 63(4), 534-538, Jul-Aug 2015. **IF = 1.162**
72. Hepcal, IC; Toma, CC; Olah, N; **Dehelean, C**; Motoc, A; Ardelean, S; Conea, S; Morgovan, C. Study of the oral contraceptives' use by women from Western Romania. FARMACIA 63(4), 607-612, Jul-Aug 2015. **IF = 1.162**
73. Grigoriu, IC; Cioroiu, BI; Strugaru, AM; Agoroaei, L; **Dehelean, C**; Stoian, D; Butnaru, E. Preliminary Impurity Profile Study of Desloratadine Used in Toxicological Studies. REVISTA DE CHIMIE 66(7), 1064-1067, Jul 2015. **IF = 0.956**

74. Danciu, C; Borcan, F; Soica, C; Zupko, I; Csanyi, E; Ambrus, R; Muntean, D; Sass, C; Antal, D; Toma, C; **Dehelean, C***. Polyurethane Microstructures-a Good or Bad in vitro Partner for the Isoflavone Genistein? NATURAL PRODUCT COMMUNICATIONS 10(6), 951-954, Jun 2015. **IF = 0.884**
75. Andoni, M; Pop, R; Soica, C; Simu, GM; Ilici, M; Ardelean, S; Onisei, D; **Dehelean, CA***. Theoretical Study Regarding the Reactivity of 5-nitrofur-2-carboxaldehyde Thiosemicarbazone. REVISTA DE CHIMIE 66(5), 637-639, May 2015. **IF = 0.956**
76. Danciu, C; Oprean, C; Coricovac, DE; Andreea, C; Cimpean, A; Radeke, H; Soica, C; **Dehelean, C***. Behaviour of four different B16 murine melanoma cell sublines: C57BL/6J skin. INTERNATIONAL JOURNAL OF EXPERIMENTAL PATHOLOGY 96(2), 73-80, Apr 2015. DOI: 10.1111/iep.12114 **IF = 2.125**
77. Heghes, A; Hadaruga, NG; Fulias, AV; Bandur, GN; Hadaruga, DI; **Dehelean, CA***. Capsicum annum extracts/beta-cyclodextrin complexes Thermal analyses-Karl Fischer water titration correlations and antioxidant activity. JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 120(1), 603-615, Apr 2015. DOI: 10.1007/s10973-014-4229-x **IF = 1.781**
78. Pfarr, K; Danciu, C; Arlt, O; Neske, C; **Dehelean, C**; Pfeilschifter, JM; Radeke, HH. Simultaneous and Dose Dependent Melanoma Cytotoxic and Immune Stimulatory Activity of Betulin. PLOS ONE 10(3), Article Number: UNSP e0118802, Mar 2015. DOI: 10.1371/journal.pone.0118802 **IF = 3.057**
79. Antal, DS; Vlaia, V; **Dehelean, CA**; Vlaia, L; Trandafirescu, C; Ardelean, F; Pinzaru, I; Ionescu, D. Zinc Across Medicinal Plants from Romanian Biodiversity and the Implications for Human Health. REVISTA DE CHIMIE 66(2), 236-239, Feb 2015. **IF = 0.956**
80. Danciu, C; Vlaia, L; Fetea, F; Hancianu, M; Coricovac, DE; Ciurlea, SA; Soica, 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 B16A5 murine melanoma cells. BIOLOGICAL RESEARCH 48, Article number 1, Jan 2015. DOI: 10.1186/0717-6287-48-1 **IF = 1.328**
81. Danciu, C; Soica, C; **Dehelean, C*(coresp)**; Zupko, I; Csanyi, E; Pinzaru, I. Preliminary In Vitro Evaluation of Genistein Chemopreventive Capacity as a Result of Esterification and Cyclodextrin Encapsulation. ANALYTICAL CELLULAR PATHOLOGY Article Number: 262930, 2015. DOI: 10.1155/2015/262930 **IF = 0.459**
82. Ledeti, I; Bercean, V; Alexa, A; Soica, C; Suta, LM; **Dehelean, C**; Trandafirescu, C; Muntean, D; Licker, M; Fulias, A. Preparation and Antibacterial Properties of Substituted 1,2,4-Triazoles. JOURNAL OF CHEMISTRY Article Number: 879343, 2015. DOI: 10.1155/2015/879343 **IF = 0.622**
83. Citu, IM; Coricovac, D; Kerti, V; Duicu, O; Privistirescu, A; Ardelean, S; Muntean, D; **Dehelean, C***. Decreased respiratory function in liver mitochondria isolated from healthy old rats. FARMACIA 63(1), 99-103, Jan-Feb 2015. **IF = 1.162**

2014

84. Trandafirescu, C; Avram, S; Soica, C; Aigner, Z; Arpad, G; Kata, M; **Dehelean, C**; Szabadai, Z; Borcan, F. Solid-state Characterization of Bifonazole - beta-cyclodextrin Binary Systems. II REVISTA DE CHIMIE 65(11), 1336-1339, Nov 2014. **IF = 0.81**
85. Soica, C; Fulias, A; Vlase, G; **Dehelean, C**; Vlase, T; Ledeti, I. Synthesis and thermal behavior of new ambazone complexes with some transitional cations. JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 118(2), 1305-1311, Nov 2014. DOI: 10.1007/s10973-014-3858-4 **IF = 2.042**
86. Trandafirescu, C; Antal, D; Soica, C; Zupko, I; Minorics, R; Ambrus, R; Borcan, F; Oprean, C; Danciu, C; Avram, S; **Dehelean, C**; Nita, S; Vlaia, L. Cyclodextrin Complexes of Oleanolic and Ursolic Acid Physico-chemical and biological preliminary evaluation. REVISTA DE CHIMIE 65(10), 1163-1167, Oct 2014. **IF = 0.81**

87. Danciu, C; Coricovac, DE; 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* 65(10), 1195-1199, Oct 2014. **IF = 0.81**
88. Duicu, O; Ciurlea, S; **Dehelean, C**; Ardelean, S; Andrica, F; Muntean, D; Soica, C; Antal, D; Coricovac, D; Pinzaru, I. Analysis of a Betulinic Acid Formulation on Liver Mitochondria Isolated from Mice with Induced Murine Melanoma. *REVISTA DE CHIMIE* 65(8), 956-959, Aug 2014. **IF = 0.81**
89. Chicu, SA; Munteanu, M; Citu, I; Soica, C; **Dehelean, C**; Trandafirescu, C; Funar-Timofei, S; Ionescu, D; Simu, GM. The Hydractinia echinata Test-System. III: Structure-Toxicity Relationship Study of Some Azo-, Azo-Anilide, and Diazonium Salt Derivatives. *MOLECULES* 19(7), 9798-9817, Jul 2014. DOI: 10.3390/molecules19079798 **IF = 2.416**
90. Soica, C; Danciu, C; 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 B16A5 Cells. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES* 15(5), 8235-8255, May 2014. DOI: 10.3390/ijms15058235 **IF = 2.862**
91. Coricovac, D; Dobrea, C; **Dehelean, C**; Duicu, O; Noveanu, L; Muntean, D; Lighezan, R. The Effects of Glycyrrhiza Glabra L. Total Extract on Liver Mitochondrial Respiratory Function. *REVISTA DE CHIMIE* 65(5), 608-611, May 2014. **IF = 0.81**
92. Kerti, V; Coricovac, D; Duicu, O; Danila, M; **Dehelean, C**; Fagadar-Cosma, E; Muntean, D; Noveanu, L. 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* 65(4), 447-449, Apr 2014. **IF = 0.81**
93. Soica, C; Oprean, C; Borcan, F; Danciu, C; Trandafirescu, C; Coricovac, D; Crainiceanu, Z; **Dehelean, CA**; Munteanu, M. The Synergistic Biologic Activity of Oleanolic and Ursolic Acids in Complex with Hydroxypropyl-gamma-Cyclodextrin. *MOLECULES* 19(4), 4924-4940, Apr 2014. DOI: 10.3390/molecules19044924 **IF = 2.416**
94. Danciu, C; Soica, C; Oltean, M; Avram, S; Borcan, F; Csanyi, E; Ambrus, R; Zupko, I; Muntean, D; **Dehelean, CA**; Craina, M; Popovici, RA. Genistein in 1: 1 Inclusion Complexes with Ramified Cyclodextrins: Theoretical, Physicochemical and Biological Evaluation. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES* 15(2), 1962-1982, Feb 2014. DOI: 10.3390/ijms15021962 **IF = 2.862**
95. Soica, C; Trandafirescu, C; Danciu, C; Muntean, D; **Dehelean, C**; Simu, G. New Improved Drug Delivery Technologies for Pentacyclic Triterpenes: A Review. *PROTEIN AND PEPTIDE LETTERS* 21 (11), 1137-1145, 2014. DOI: 10.2174/0929866521666140807115109 **IF = 1.068**
96. Gheorgheosu, D; Duicu, O; **Dehelean, C**; Soica, C; Muntean, D. Betulinic Acid as a Potent and Complex Antitumor Phytochemical: A Minireview. *ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY* 14(7), 936-945, 2014. DOI: 10.2174/1871520614666140223192148 **IF = 2.469**

2013-2010

97. **Dehelean CA**, Feflea S, Gheorgheosu D, Ganta S, Cimpean AM, Muntean D, Mansoor MA, 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, ISSN 1550-7033, **IF=7.578**
98. Cinta-Pinzaru S, Falamas A, **Dehelean CA**, Molecular conformation changes along the malignancy revealed by optical nanosensors, *J Cell Mol Med*, 2013, 17(2):277-286, ISSN 1582-4934, **IF = 3.698**

99. 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, *Biol Chem*, 2013, 394(6):773-781, ISSN 1437-4315, **IF = 2.689**
100. Danciu C, Falamas A, **Dehelean C**, Soica C, Radeke H, Barbu-Tudoran L, Bojin F, Cîntă Pînzaru S, Munteanu M. A characterization of four B16 murine melanoma cell sublines: molecular fingerprint and proliferation behavior, *Cancer Cell Int*, 13:75, doi:10.1186/1475-2867-13-75, 2013, ISSN= 1475-2867, **IF = 1.989**
101. Alexa E, **Dehelean CA**, Poiana MA, Radulov I, Cimpean MA, Bordean DM, Tulcan C, Pop G, The occurrence of mycotoxins in wheat from western Romania and histopathological impact as effect of feed intake, *Chem Cent J*, 2013, 7:99, DOI:10.1186/1752-153X-7-99; **IF = 1.663**
102. Danciu C, Borcan F, Bojin F, Zupko I, **Dehelean C**, Effect of the Isoflavone Genistein on Tumor Size, Metastasis Potential and Melanization in a B16 Mouse Model of Murine Melanoma, *Nat Prod Commun*, 2013, 8(3):343-346, ISSN 1934-578X, **IF=0.924**
103. Cinta-Pinzaru S, Falamas A, **Dehelean C**, Morari C, Venter M, Double Amino-Functionalised Ag Nanoparticles as SERS tags in Raman diagnostic, *Croat Chem Acta*, 2013, 86(3):233-244, ISSN: 0011-1643, **IF = 0.556**

2012

104. **Dehelean CA**, Soica C, Ledeti I, Aluas M, Zupko I, Galuscan A, Cinta-Pinzaru S, Munteanu M, Study of the betulin enriched birch bark extracts effects on human carcinoma cells and ear inflammation, *Chem Cent J*, 2012, 6(137), DOI:10.1186/1752-153X-6-137, ISSN 1752-153X, **IF= 1.312**
105. **Dehelean CA**, Feflea S, Molnar J, Zupko I, Soica C, Betulin as an Antitumor Agent Tested in vitro on A431, HeLa and MCF7, and as an Angiogenic Inhibitor in vivo in the CAM Assay, *Nat Prod Commun.*, 2012, 7(8): 981-985, ISSN 1934-578X, **IF=0.956**
106. Soica C, **Dehelean CA**, Danciu C, Wang HM, Wenz G, Ambrus R, Bojin FM, Betulin Complex in γ -Cyclodextrin Derivatives: Properties and Antineoplastic Activities in *In Vitro* and *In Vivo* Tumor Models, *Int J Mol Sci*, 2012, 13(11), 14992-15011, ISSN 1422-0067, **IF = 2.464**
107. Borcan F, Soica CM, Ganta S, Amiji MM, **Dehelean CA**, Munteanu MF, Synthesis and preliminary in vivo evaluations of polyurethane microstructures for transdermal drug delivery, *Chem Cent J*, 2012, 6(87), DOI: 10.1186/1752-153X-6-87, ISSN 1752-153X, **IF= 1.312**
108. Cinta-Pinzaru S, **Dehelean CA**, Soica C, Culea M, Borcan F, Evaluation and differentiation of the Betulaceae birch bark species and their bioactive triterpene content using analytical FT-vibrational spectroscopy and GC-MS, *Chem Cent J*, 6(67), 2012, DOI: 10.1186/1752-153X-6-67, ISSN 1752-153X, **IF= 1.312**
109. Danciu C, Soica C, Csanyi E, Ambrus R, Feflea S, Peev C, **Dehelean C**, Changes in the anti-inflammatory activity of soy isoflavonoid genistein versus genistein incorporated in two types of cyclodextrin derivatives, *Chem Cent J*, 2012, 6(58), DOI: 10.1186/1752-153X-6-58, ISSN 1752-153X, **IF= 1.312**
110. Soica C, **Dehelean C**, Peev C, Aluas M, Zupko I, Kasa Peter, Alexa E, Physico-chemical comparison study of betulinic acid, betulin and birch bark extract and in vitro investigation of their cytotoxic effects towards skin epidermoid carcinoma (A431), breast carcinoma (MCF7) and cervix adenocarcinoma (HeLa) cell-lines, *Nat Prod Res*, 2012, 26(10):968-974, ISSN 1478-6419, **IF = 1.031**
111. Ciurlea S, **Dehelean CA**, Cinta-Pinzaru S, Falamas A, Muresan A, Loghin F, Raman spectroscopy investigations of the CD1Nu/Nu mouse skin precarcinoma damages, *Farmacia*, 2012, 60(3):448-456, **ISSN 0014-8237, IF = 0.578**

112. Borcan F, Soica CM, **Dehelean CA**, Ganta S, Amiji MM, Size and Stability Optimization for Polyurethane Nanostructures used as Transdermal Drug Vehicle, *Rev Chim* 2012, 63(11):1164-1166, 0034-7752, **IF = 0.538**
113. **Dehelean CA**, Feflea S, Ganta S, Amiji M, Anti-Angiogenic Effects of Betulinic Acid Administered in Nanoemulsion Formulation using Chorioallantoic Membrane Assay, *J Biomed Nanotechnol*, 2011, 7(2):317-324, ISSN 1550-7033, **IF= 4.216**
114. Falamas A, Pinzaru S, **Dehelean C**, Peev C, Soica C, Betulin and its natural resource as potential anticancer drug candidate seen by FT-Raman and FT-IR spectroscopy, *J Raman Spectrosc*, 2011, 42 (1):97-107, DOI: 10.1002/jrs.2658, ISSN 0377-0486, **IF = 3.087**
115. Falamas A, Cinta-Pinzaru S, Chis V, **Dehelean C**, Spectroscopic investigations of newly formed betulin-cyclodextrin guest-host type complexes as potential anti skin cancer candidates, *J Mol Struct*, 2011, 993(1-3):297-301, ISSN 0022-2860, **IF = 1.634**
116. Ionescu D, **Dehelean C**, Funar-Timofei S, Dragan S, Galca E, Efficacy and tolerability of risperidone in the treatment of depressive disorders, *Farmacia*, 2010, 58(4):494-501, ISSN 0014-8237, **IF = 0.85**
117. Soica CM, Peev CI, Ciurlea S, Ambrus R, **Dehelean C**, Physico-chemical and toxicological evaluations of betulin and betulinic acid interactions with hydrophilic cyclodextrins, *Farmacia*, 2010, 58(5):611-619, ISSN 0014-8237, **IF = 0.85**
118. **Dehelean CA**, Cintă-Pinzaru S, Peev CI, Soica C, Antal DS, Characterization of birch tree leaves, buds and bark dry extracts with antitumor activity. *J Optoelectron Adv M* 9(3): 783-787, 2007, ISSN 1454-4164, **IF = 0.827**
119. Profire L, Cojocariu A, Oprea AM, Lupusoru CE, Ghiciuc CM, **Dehelean CA**, Vasile C, Synthesis and Characterization of New Nitric Oxide Donor Compounds Based on Theophylline and Paracetamol, *Rev Chim*, 2010, 61(12):1150-1154, ISSN:0034-7752, **IF = 0.693**
120. **Dehelean CA**, Soica C, Peev C, Ciurlea S, Feflea S, P. Kasa jr., A pharmaco-toxicological evaluation for betulinic acid mixed with hydroxipropilgamma cyclodextrin on in vitro and in vivo models, *Farmacia*, 59(1): 51-59, 2011, ISSN 0014-8237, **IF= 0.669**
121. Antal DS, **Dehelean CA**, Peev CI, Anke M, Rubidium in medicinal Plants contribution to the research of a potentially essential element, *Rev Chim*, 2009, 60(2):156-159, ISSN:0034-7752, **IF = 0.552**
122. Tiulea C, Peev C, Brezovan D, **Dehelean C**, Motoc A, A comparison regarding antiproliferative action between soy total extract and genistein, *Rom J Morphol Embryo* , 2011, 52(3 suppl):1065-1069, ISSN 1220-0522, **IF = 0.523**
123. Peev CI, Vlase L, Antal DS, **Dehelean CA**, Szabadai Z, Determination of some polyphenolic compounds in buds of *Alnus* and *Corylus* species by HPLC, *Chem Nat Compd*, 2007, 43(3): 259-262, ISSN 0009-3130, **IF = 0.442**
124. **Dehelean CA**, Soica C, Peev C, Gruia AT, Seclaman E, Physico-chemical and molecular analysis of antitumoral pentacyclic triterpenes in complexation with gamma-cyclodextrin, *Rev Chim*, 2008, 59(8):887-890, ISSN 0034-7752, **IF = 0.389**
125. Soica C, **Dehelean CA**, Ordodi V, Antal D, Vlaia V, Complexation with hydroxipropilgamma cyclodextrin of birch tree extract. Physico-chemical characterisation of their binary products, *Rev Chim*, 2008, 59(6): 678-681, ISSN 0034-7752, **IF = 0.389**
126. **Dehelean CA**, Vlase L, Peev C, Antal D, Soica C, Comparative Analysis of Polyphenols Content from Birch Tree Foliar Buds and Leaves by HPLC-UV-MS, *Rev Chim*, 2006, 57(8): 862-865, ISSN 0034-7752, **IF = 0.287**

127. **Dehelean CA**, Peev C, Cinta-Pinzaru S, Șoica C, Kaycsa A, FT-IR, FT-Raman and TLC Densitometry Analysis of Some Plane Tree Extracts Concerning Their Content in Betulinic Acid and Betulin, *Rev Chim*, 2006, 57(11): 1105-1108, ISSN 0034-7752, **IF = 0.287**
128. Șoica C, Gyeresi A, Aigner Z, Kata M., **Dehelean C**, Influența polivinilpirolidonei asupra complexelor de furosemid cu betaciclodextrin metilat aleator, *Rev Chim*, 2006, 57(7): 726-730, ISSN 0034-7752, **IF = 0.287**
129. Alexa E, Poiana M, Peev C, **Dehelean C**, Decelarea falsificării uleiurilor vegetale pe baza compoziției acizilor grași determinată prin cromatografie de lichide de înaltă performanță cu fază inversă (RP- HPLC), *Rev Chim*, 2006, 57(3):285-290, ISSN 0034-7752, **IF = 0.287**
130. Alexa E, Poiană M., Peev C, Cozma A, **Dehelean C**, Determinarea reziduurilor de glifosat și a metabolitului său amino-metil- fosfonic (AMPA) în apă prin HPLC, *Rev Chim*, 2006, 57(10):997-1003, ISSN 0034-7752, **IF = 0.287**
131. Peev C, Vlase L, **Dehelean C**, Șoica C, Tamaș M, Analiza calitativă a chrisinei din mugurii foliari utilizați în fitoterapie, prin CSS și HPLC-MS, *Rev Chim*, 2006, 57(12):1202-1204, ISSN 0034-7752, **IF = 0.287**
132. Șoica C, Gyeresi A, Aigner Z, Kata M, **Dehelean C**, Obținerea și caracterizarea fizico-chimică a complexșilor de incluziune ai unui diuretic sulfonamidic cu β -ciclodextrina metilată, *Rev Chim*, 2006, 57 (4):392-397, ISSN 0034-7752, **IF = 0.287**
133. Antal DS, **Dehelean C**, Peev C, Anke M, Analiza arsenului in plante medicinale prin ICP-MS si evaluarea transferului sau in extracte apoase, *Rev Chim*, 2005, 56(9):926-931, ISSN 0034-7752, **IF = 0.278**
134. Ambrus R, Aigner Z, **Dehelean C**, Șoica C, Revesz P, Physico-chemical studies on solid dispersion of niflumic acid prepared with PVP, *Rev Chim*, 2007, 58(1):60-64, ISSN 0034-7752, **IF = 0.261**
135. Șoica C, Gyeresi A, Frentiu B, **Dehelean CA**, Aluas M., Preparation and physico-chemical characterization of chlorthalidone-hydroxypropyl- β -cyclodextrin binary systems, *Rev Chim*, 2007, 58(7):606-611, ISSN 0034-7752, **IF = 0.261**
136. Aluaș M, Șoica C, Gyeresi A, **Dehelean C**, Simion S, Physico-chemical analysis of binary complexes of furosemide and randomly methylated beta cyclodextrin, *Rev Chim*, 2007, 58(10): 892-896, ISSN 0034-7752, **IF = 0.261**
137. Falamas A, Cinta Pinzaru S, **Dehelean CA**, Venter MM, Raman Imaging of In Vivo Damaged Skin Tissues from Mice Specimens, *Stud Univ Babes Bol, Seria Chemia*, 2010, 2:273-283, ISSN 1224-7154, **IF = 0.231**

ISI PROCEEDINGS – WEB OF SCIENCE

1. Fulias, A; Ledeti, I; Vlase, G; Vlase, T; Soica, C; **Dehelean, C**; Oprean, C; Bojin, F; Suta, LM; Bercean, V; Avram, S. Thermal degradation, kinetic analysis, and apoptosis induction in human melanoma for oleanolic and ursolic acids. JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 125 Issue: 2 Pages: 759-768, AUG 2016. DOI: 10.1007/s10973-015-5052-8 **IF = 1.953**

CONFERENCES – WEB OF SCIENCE (2018-2014)

1. 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. TOXICOLOGY LETTERS Volume: 280 Pages: S273-S273 Supplement: 1 Special Issue: SI Meeting Abstract: P-09-02-58, Oct 2017. DOI: 10.1016/j.toxlet.2017.07.962 **IF = 3.166**
2. Pinzaru, IA; Rusu, L; **Dehelean, CA**; Coricovac, D; Borcan, F. Evaluation of eugenol polyurethane nanostructures toxicological statement. TOXICOLOGY LETTERS Volume: 280 Pages: S271-S271

- Supplement: 1 Special Issue: SI Meeting Abstract: P-09-02-58, Oct 2017. DOI: 10.1016/j.toxlet.2017.07.958 **IF = 3.166**
3. Pinzaru, IA; Coricovac, DE; Trandafirescu, CM; Soica, CM; **Dehelean, CA**. Assessment of betulin gold nanoparticles toxicological profile. NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY Volume: 390 Pages: S87-S87 Supplement: 1 Meeting Abstract: P301 Published: MAR 2017. **IF = 2.238**
 4. **Dehelean, CA**; Coricovac, D; Pinzaru, I; Ionescu, D; Soica, C; Simu, G. The pro-inflammatory effects of the organic phase obtained via COsorb process. TOXICOLOGY LETTERS Volume: 258 Pages: S191-S191 Supplement: S Meeting Abstract: P10-035 SEP 16 2016. DOI: 10.1016/j.toxlet.2016.06.1702 **IF = 3.858**
 5. Coricovac, E; Pinzaru, I; Pavel, IZ; Ghiulai, R; Cimpean, AM; Soica, C; **Dehelean, CA**; Avram, S. Experimental models of human melanoma. TOXICOLOGY LETTERS Volume: 258 Pages: S93-S93 Supplement: S Meeting Abstract: P03-006 SEP 16 2016. DOI: 10.1016/j.toxlet.2016.06.1407 **IF = 3.858**
 6. Coricovac, DE; Pavel, IZ; Avram, S; Ghiulai, R; Pinzaru, I; Mioc, M; Soica, C; **Dehelean, CA**. Assessment of the in vitro effects of some new betulinic acid nanoformulations. TOXICOLOGY LETTERS Volume: 258 Pages: S276-S277 Supplement: S Meeting Abstract: P17-047 SEP 16 2016. DOI: 10.1016/j.toxlet.2016.06.1967 **IF = 3.858**
 7. **Dehelean, CA**; Pinzaru, I; Ionescu, D; Moaca, A; Coricovac, D; Soica, C. Reproducible animal models used for external toxicants tests. TOXICOLOGY LETTERS Volume: 258 Pages: S289-S289 Supplement: S Meeting Abstract: P19-021 SEP 16 2016. DOI: 10.1016/j.toxlet.2016.06.2006 **IF = 3.858**
 8. Margan, MM; Stoian, D; Pantea, S; Bernad, E; Nicolescu, R; Timar, B; **Dehelean, C**; Petre, I; Craciunescu, M; Craina, M. Pro-active follow-up of pregnant women with asymptomatic autoimmune thyroid disease. GYNECOLOGICAL ENDOCRINOLOGY Volume: 32 Pages: 165-165 Supplement: 1 Meeting Abstract: P259, Feb 2016. **IF = 1.585**
 9. 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. PLANTA MEDICA Volume: 81 Issue: 16 Pages: 1463-1463 Meeting Abstract: PM-136, Nov 2015. **IF = 1.99**
 10. Danciu, C; Pavel, IZ; Borcan, F; Soica, C; Zupko, I; Csanyi, E; Avram, S; Pavel, IZ; Coricovac, D; **Dehelean, CA**. In vitro biological evaluation of polyurethane microstructures genistein based formulation. PLANTA MEDICA Volume: 81 Issue: 16 Pages: 1481-1481 Meeting Abstract: PM-202, Nov 2015. **IF = 1.99**
 11. 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 Volume: 45 Pages: 30-30 Supplement: 2 Special Issue: SI Meeting Abstract: 3.24 May 2015. **IF = 2.687**
 12. 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. TOXICOLOGY LETTERS Volume: 229 Pages: S50-S51 Supplement: S Meeting Abstract: P-1.34B Sep 2014. DOI: 10.1016/j.toxlet.2014.06.904 **IF = 3.262**
 13. Pfarr, K; Danciu, C; **Dehelean, C**; Pfeilschifter, JM; Radeke, HH. Betulin - a plant-derived cytostatic drug - enhances antitumor immune response. NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY Volume: 387 Pages: S74-S75 Supplement: 1 Meeting Abstract: 300, 2014. **IF = 2.471**