



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 | | | | | | | | | |

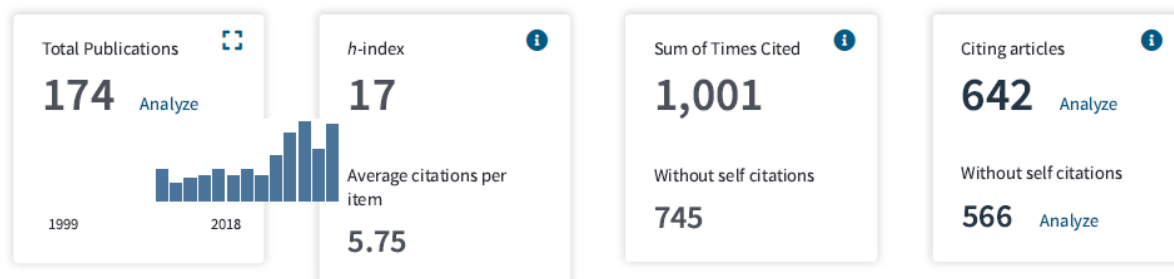
Timisoara, January 2019 CRISTINA ADRIANA DEHELEAN

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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 auronones, 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 Andreatza 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

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