



Curriculum vitae



Personal information

First names / Surname **CRISTINA ADRIANA DEHELEAN**

Address
Telephones
Fax
E-mail
Nationality
Date of birth
Family

[Redacted personal information]

Occupational field **PROFESSOR – TOXICOLOGY AND DRUG INDUSTRY DEPARTMENT**

Work experience

2016 - present

Vice president - Advisory Committee of the Ministry of Health - Committee for Clinical Pharmacology, Toxicology and Toxic Dependence
Cristian Popișteanu, no. 1-3, sector 1, cod 010024, București, Romania, +40 21 3072 500, www.ms.ro
Public Institution

2016 - present

Member - National Council for Attestation of University Titles, Diplomas and Certificates, Fundamental field - Biological and Biomedical Sciences, Pharmacy Committee
Gen. Berthelot 28-30, Sector 1, 010168, București, Romania, +40 214056206, www.cnatdcu.ro
Public Institution

2015

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

2014 - present

Professor, Head of Toxicology and Drug Industry Department
„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).

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 B164A5 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 annum 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 Babeş” 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		Writing	
English	C2 Proficient user	C2 Proficient user	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	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							