




PERSONAL INFORMATION

Cristina Adriana DEHELEAN

-  "Victor Babes" University of Medicine and Pharmacy, Eftimie Murgu Square, no. 2, 300041, Timisoara (Romania)
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WORK EXPERIENCE

- 2014 – PRESENT

Professor, Head of Toxicology, Drug Industry, Management and Legislation Department
"Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Toxicology, Drug Industry, Management and Legislation Department

Main activities and responsibilities: teaching courses of Toxicology, Scientific Research Methodology, Toxic plants, Pharmacovigilance; Post-graduate courses, coordinator and lecturer within the masterate program *Cosmetology and Dermopharmacy*; coordination of students within scientific circles, workshops; training of students for participation at national and international scientific events; Coordinator of doctoral (PhD) students

Activity sector: Higher education
- 2020 - PRESENT

Director of the University Doctoral Studies Council (CSUD)
"Victor Babes" University of Medicine and Pharmacy Timisoara

Main activities and responsibilities: coordination and monitoring of the University Doctoral Studies Council

Activity sector: Higher education
- 2020

Vicepresident - National Council fo Attestation of University Titles, Diplomas and Certificates (CNATDCU), Pharmacy Committee
Gen. Berthelot 28-30, Sector 1, Bucharest RO-010168, Romania, +40 214056206, www.cnatdcu.ro

Main activities and responsibilities: Analysis of PhD theses and habilitation certificates

Activity sector: Higher education
- 2016 – PRESENT

Vicepresident – Advisory Committee of the Ministry of Health - Committee for Clinical Pharmacology, Toxicology and Toxic Dependence
Cristian Popișteanu, no. 1-3, sector 1, Bucharest RO-010024, Romania, +40 21 3072 500, www.ms.ro

Main activities and responsibilities: specialized advisory activities in the field of Pharmacology and Toxicology

Activity sector: Higher education
- 2012 – 2020

Dean of the Faculty of Pharmacy
"Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy

Main activities and responsibilities: coordinative and administrative activities of the Faculty of Pharmacy

Activity sector: Higher education

- 2009 - 2014 **Associate Professor**
 "Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Toxicology Department
 Main activities and responsibilities: teaching courses of Toxicology, Scientific Research Methodology, Toxic plants, Pharmacovigilance; coordination of students within scientific circles, workshops; training of students for participation at national and international scientific events
 Activity sector: Higher education
- 2004 - 2009 **Lecturer**
 "Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Toxicology Department
 Main activities and responsibilities: teaching and research activities
 Activity sector: Higher education
- 2002 - 2004 **Assistant Professor**
 "Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Dermatopharmacy and Cosmetology Department
 Main activities and responsibilities: teaching and research activities
 Activity sector: Higher education
- 1999 - 2002 **Preparatory Assistant**
 "Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Clinical Pharmacy Department
 Main activities and responsibilities: teaching activity – guidance of practical works, research activity
 Activity sector: Higher education
- 1996 - 1998 **Pharmacist**
 Argefarm, Arad
 Main activities and responsibilities: pharmacist activity within a community pharmacy
 Activity sector: Health

EDUCATION AND TRAINING

- 2015 **Pharmacy Habilitation, Doctoral (PhD) coordinator, OMEC**
 4209/10/06.2015
 "Victor Babes" University of Medicine and Pharmacy Timisoara, Eftimie Murgu square no. 2, 300041, Timisoara, Romania
- 2008 **Primary Pharmacist, Clinical Pharmacy specialty - P1/007069, OMS 1971/2008**
 Ministry of Health and Family, General Department for Human Resources, Professional Training, Competitions and Exams
- 2004 **PhD in Pharmacy - OMEC 3876/19.05.2004**
 "Gr. T. Popa" University of Medicine and Pharmacy Iași, Universității street no. 16, Iași, Romania
- 2001 **Specialist Pharmacist, Clinical Pharmacy specialty**
 Ministry of Health and Family, General Department for Human Resources, Professional Training, Competitions and Exams
- 1998 - 2001 **Pharmacy resident, Clinical Pharmacy**
 Timisoara County Hospital 1, 156 Liviu Rebreanu Boulevard, Timisoara, RO
- 1991 - 1996 **License in Pharmacy (Pharmacist)**
 "Victor Babes" University of Medicine and Pharmacy Timisoara, Eftimie Murgu

square no. 2, 300041, Timisoara, Romania

PERSONAL SKILLS

NATIVE LANGUAGE ROMANIAN

Foreign languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
english	C2	C2	C2	C2	C2
french	C2	C2	C1	C1	C2

Levels: A1 și A2: Basic user - B1 și B2: Independent user - C1 și C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

Excellent communication skills acquired during the teaching activities supported in various undergraduate, short-term, postgraduate study programs; participation in various national and international conferences; participation in research projects with foreign partners; lectures at various events.

Ability to communicate constructively in different social situations (to tolerate other points of view, to recognize individual and collective responsibility).

Organisational/Managerial skills

Team coordinator skills, organizational spirit, ability to concentrate and plan, implement, coordinate, complete objectives or performance indicators proposed depending on the field and activity, ability to make decisions quickly and efficiently, responsibility and involvement in the activities conducted; ability to work under pressure, time management, conflict resolution, self-motivation and motivation of colleagues, teamwork, creativity, dynamism, discipline, perseverance, analytical thinking, ability to build relationships, efficiency, adaptability, openness, empathy.

University Management

1. CSUD Director
2. Member of the UMF "Victor Babes" Timisoara Senate
3. Dean of the Faculty of Pharmacy
4. Member with multiple mandates within the Council of Faculty of Pharmacy and Council of the 2nd Department
5. Coordinator of the Masteral Studies Program – Cosmetology and dermopharmacy (2022-present)
6. Coordinator of the Toxicology Department (2004-present)
7. CNATDCU Member and Vicepresident
8. ARACIS Member

Project Management

1. ERASMUS 2022-1-RO01-KA220-HED-000088958 - Cooperation to Implement Innovative Methods for the Assessment of Medicinal Plants with central Roles in Pharmaceuticals, Agriculture and Nutrition
2. CNFIS-FDI-2022-0484 - Implementarea de tehnici moderne pentru dezvoltarea continuă a bazei de practică în domeniul produselor vegetale medicinale UMF „Victor Babes” din Timisoara / Implementation of modern techniques for the continuous development of the practice base in the field of medicinal plant products within UMF "Victor Babes" Timisoara
3. ERASMUS project 2019-1-RO01-KA203-063499 - Cooperation on innovation and exchange of good practice in the hypoglycemia diet for people with diabetes
4. CNFIS-FDI-2021-0498 - "Dezvoltarea bazei de practica in domeniul plantelor medicinale a Universitatii de Medicina si Farmacie "Victor Babes" Timisoara /

Development of the practice base in the field of medicinal plants of the "Victor Babes" University of Medicine and Pharmacy Timisoara"

5. CNFIS-FDI-2019-0393 "Centru de dezvoltare profesională în domeniul produselor dermato-cosmetice pe bază de plante medicinale / Center for professional development in the field of dermato-cosmetic products based on medicinal plants"
6. CNFIS – FDI – 2018 – 0159 „Centru de dezvoltare a abilităților practice în domeniul plantelor medicinale / Center for the development of practical skills in the field of medicinal plants "
7. Competitiveness Operational Programme 2014-2020; priority axis 1 / 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
8. 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)
9. 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)
10. International Project Romania-China 198/2009 „Antioxidant activity of Chinese materia medica and its chemical composition”
11. 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" – responsible for partner project
12. Grant PN II 1257/2007 „Studiul implementării unor bioproduse antitumorale vegetale de tip triterpenic inclusiv prin formare de nanostructuri, în terapii cutanate, prin analiza eficacitate/toxicitate” (Study of implementation of vegetal antitumor bioproducts of triterpenic type by nanostructure formation, in skin therapies, by efficacy/toxicity analysis)
13. 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)
14. Grant CNCSIS 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)
15. CNCSIS and UEFISCDI project evaluator

Scientific Events

1. Coordinator of the online platform FITOSCIENCE – www.umft.ro
2. Program coordinator - Summer School Dermo-cosmetic products based on medicinal plants, 17-19 July 2019 Timisoara
3. Program coordinator - 1st International Summer School of Medicinal Plant Pharmacology-Toxicology, 2-13 July 2018 Timisoara, Romania
4. Program coordinator WORKSHOP - Dermo-cosmetic products as formulations. safety testing of cosmetic products, 13-14 June, 2019, Timisoara, Romania
5. Program coordinator WORKSHOP - Plantele medicinale în prezent – incidență, compoziție și utilizare (Medicinal Plants at present - incidence, composition and use), 16-17 October, 2018, Timisoara, Romania
6. Program coordinator WORKSHOP - Siguranța produselor pe bază de plante medicinale (Safety of medicinal plants products), 22-23 November, 2018, Timisoara, Romania

7. Organizer of scientific events: National Symposiums TIMISOARA 2005, 2008, TIMMEDICA 2011, workshop within the project Romania-China, workshop within the project Romania-Ungaria

Job-related skills

Very good knowledge of the legislative framework related to higher education and scientific research. Expert quality in the publication of scientific articles located in the red and yellow areas (according to the UEFISCDI classification), ability to carry out multidisciplinary collaborations at national and international level (see annexes).

- ARACIS evaluator, Commission (C12) Medical Sciences, field Health–national register
- Coordinator of the local branch EUROTOX and member within the leading college of the local Society of Pharmaceutical Sciences
- Member within the first UMFVBT Quality Assurance Commission
- skills in the evaluation of national and international projects, reviewer of specialized journals, and related to patents applied intellectual property liability.
- 2008 – CNCSIS evaluator, Toxicology domain
- Experienced user skills, including Microsoft Project Advanced 2011 course

Computer skills

ADDITIONAL INFORMATION

- Main coordination / Research Center for Pharmaco-Toxicological Evaluations – Faculty of Pharmacy, “Victor Babes” University of Medicine and Pharmacy Timisoara
 - Invited reviewer: Food and Chemical Toxicology, Journal of AOAC International, Natural Product Research, Molecules, etc.
 - Member within the editorial committee: Experimental and Therapeutic Medicine, EC Pharmacology and Toxicology, Research and Clinical Medicine, World Research Journal Of Medicinal & Aromatic Plants
 - Member: SSFR, EUROTOX, AMAPSEEC, SRCC
- Prizes
- 2012-2021 period – over 45 prizes offered by UEFISCDI within the *Premierea rezultatelor cercetării* (Awarding the research results) competition
 - Gold medal and Excellence Diploma - The international salon of inventiveness pro invent, XIVen Edition, 23-25 March 2016, Cluj-Napoca, Romania
 - Gold medal and Excellence Diploma, Euro-invent, 19-21 May, 2016, Iași, Romania
 - Gold medal 45th International Geneva Salon of Inventions, 29 March – 2 April 2017, Switzerland
 - Bronze medal - International invention-innovation showroom Traian Vuia Timișoara, 25-27 May 2016, Timisoara, Romania
 - Gold medal, Tesla fest, International Conference on Innovation and Intellectual Property, 12-15 October 2018, Novi Sad, Serbia
 - Official certificate of international merit for contribution to innovation and excellent international cooperation, Tesla fest, International Conference on Innovation and Intellectual Property, 12-15 October 2018, Novi Sad, Serbia
 - Silver medal – In vitro antibacterial activity of some plant essential oils from Cupressaceae family – Euroinvent, European Exhibition of Creativity and Innovation – Xth edition, 17-19 May 2018, Iași, Romania
 - MEDIS 2006, 2012, 2013, Szeged, Hungary 2009 (prizes of the coordinated students)
 - 1st prize for special merits in the didactic activity within the Faculty of Medicine of “Victor Babes” University of Medicine and Pharmacy Timisoara (2015)

ANNEX I. SCIENTIFIC RESEARCH ACTIVITY

I.1 RESEARCH/ACADEMIC/INSTITUTIONAL DEVELOPMENT PROJECTS

No.	Project details	Position	Period
1.	ERASMUS 2022-1-RO01-KA220-HED-000088958 Cooperation to Implement Innovative Methods for the Assessment of Medicinal Plants with central Roles in Pharmaceuticals, Agriculture and Nutrition	Manager	2022 - 2024
2.	CNFIS-FDI-2022-0484 Implementarea de tehnici moderne pentru dezvoltarea continuă a bazei de practică în domeniul produselor vegetale medicinale UMF „Victor Babes” din Timisoara / Implementation of modern techniques for the continuous development of the practice base in the field of medicinal plant products within UMF “Victor Babes” Timisoara	Manager	April 2022 – December 2022
3.	CNFIS-FDI-2022-0474 Consolidarea și dezvoltarea activităților antreprenoriale studențești prin studenți și doctoranzi în cadrul UMFVBT / Consolidation and development of student entrepreneurial activities through students and PhD students within the UMFVBT	Member	April 2022 – December 2022
4.	CNFIS-FDI-2021-0498 Dezvoltarea bazei de practică în domeniul plantelor medicinale a UMF Victor Babeș Timișoara / Development of the practice base in the field of medicinal plants of the "Victor Babes" University of Medicine and Pharmacy Timisoara	Manager	May 2021 – December 2021
5.	PN-III-P1-1.1-TE-2019-2134 , acronym BAPRONIO Redarea către piața dermocosmetica a unei formulări topice moderne cu acid betulinic încorporat în proniozomi / Delivery to the dermocosmetic market of a modern topical formulation with betulinic acid encapsulated in proniosomes	Member	2020 - 2022
6.	1EXP/1233/30.01.2020 Lupeol as bioactive natural compound in the local treatment of wounds and inflammation from mild to severe pathologies: experimental evaluations and market pre-proposal	Member	2020 - 2021
7.	PN-III-P1-1.1-TE2019-0130 Hidrogeluri inovatoare pe bază de micelle polimerice ca sisteme de cedare pentru uleiul esențial de oregano: o abordare farmaceutică avansată pentru gestionarea papiloamelor cutanate / Innovative hydrogels based on polymeric micelles as release systems for oregano essential oil: an advanced pharmaceutical approach to papilloma management cutaneous	Member	2020- 2023
8.	PN-III-P2-2.1-PED2019-3067 Nanobiocstructuri inovatoare bazate pe nanoparticule feromagnetice conjugate cu ciclodextrine pentru creșterea eficacității și reducerea toxicității în terapia cancerului prin hipertermie SP-magnetică / Innovative nanobiocstructures based on ferromagnetic nanoparticles conjugated with cyclodextrins to increase efficacy and reduce toxicity in cancer therapy by SP-magnetic hyperthermia	Member	2020- 2023
9.	PN-III-P1-1.1-PD-2019-1231 Noi perspective privind chemoprevenția cancerului cutanat: evaluarea acidului maslinic și al unui derivat de acid maslinic încorporați în nanoemulsii / New perspectives on skin cancer chemoprevention: evaluation of maslinic acid and a maslinic acid derivative incorporated in nanoemulsions	Mentor	2020-2023
10.	ERASMUS project 2019-1-RO01-KA203-063499 - Cooperation on innovation and exchange of good practice in the hypoglycemia diet for people with diabetes	Manager project partener	2019 - 2021
11.	CNFIS-FDI-2019-0393 Centru de dezvoltare profesională în domeniul produselor dermato-cosmetice pe bază de plante medicinale / Center for professional development in the field of dermato-cosmetic products based on medicinal plants	Manager	May 2019 – December 2019
12.	CNFIS – FDI – 2018 – 0159 Centru de dezvoltare a abilităților practice în domeniul plantelor medicinale / Center for the development of practical skills in the field of medicinal plants	Manager	May 2018 – December 2018
13.	CNFIS – FDI – 2018 – 0459 Acțiuni amplificate de susținere și promovare eficiența a dimensiunii internaționale a educației medicale din Universitatea de Medicină și Farmacie Victor Babes din Timișoara / Amplified actions to support and effectively promote the dimension of medical education from the Victor Babes University of Medicine and Pharmacy in Timisoara	Member	May 2018 – December 2018
14.	PN-III-P1-1.1-PD-2016-1982 –Noi perspective privind mecanismul de acțiune al acidului betulinic ca agent antimelanom/ New insights into the antimelanoma mechanism of action of betulinic acid	Mentor	2017-2019
15.	PN-III-P4-ID-PCE-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
16.	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
17.	PN-III-P2-2.1-BG-2016-0354 , No 115/2016, Formulări pe bază de betulină și nanoparticule de aur în combaterea procesului de îmbătrânire a pielii / Formulations based on betulin and gold	Member	2016-2018

	nanoparticles to combat skin aging		
18.	PN-III-P2-2.1-BG-2016- 0455 , No 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
19.	PN-II-PT-PCCA , No110/2014, Recuperarea avansată a produselor utile din deșeurile de catalizatori uzajați / Advanced recovery of useful products from used catalysers waste (REMACAT)	Member	2014-2017
20.	UEFISCDI Bilateral project Romania – France no. 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
21.	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
22.	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)	Manager	2014-2016
23.	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)	Manager	2013-2014
24.	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
25.	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
26.	International Project Romania-China 198/2009 „Antioxidant activity of Chinese materia medica and its chemical composition”	Manager	2009-2010
27.	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"	Manager Romanian partner	2009-2011
28.	Project CNCISIS IDEI 2284 „Diagnosticarea cancerului și monitorizarea terapeutică prin tehnici Raman ultrasensibile" (Cancer diagnosis and therapeutical monitoring by ultrasensitive Raman spectroscopic techniques)	Member	2008-2011
29.	Grant PN II 1257/2007 „Studiul implementării unor bioproduse antitumorale vegetale de tip triterpentic inclusiv prin formare de nanostructuri, în terapii cutanate, prin analiza eficacitate/toxicitate" (Study of implementation of vegetal antitumor bioproducts of triterpentic type by nanostructure formation, in skin therapies, by efficacy/toxicity analysis)	Manager	2007-2010
30.	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)	Manager	2007-2010
31.	Grant CNCISIS AT 173/2007 „Elaborarea unor bioproduse cu compuși triterpenici și ciclodextrine și analiza eficacitate/nocivitate a acestora în patologii cutanate" (Elaboration of bioproducts with triterpentic compounds and cyclodextrins and their efficacy/toxicity analysis in skin pathologies)	Manager	2007-2008
32.	Project CEEX cod 30/2006 „Evaluarea conținutului de metale grele din sol cu ajutorul plantelor bioindicator și valorificarea acestora în scopuri terapeutice" (The evaluation of soil heavy metals content using bioindicators plants and their therapeutic added value)	Member	2006-2008
33.	Project CEEX 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
34.	Project CEEX 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
35.	Leonardo da Vinci, Agreement No. RO-2004-PL 93056-TD Training of „European Phytotherapists for Discovery of New Medications"	Member	2005

I.2 SCIENTIFIC ACTIVITY IMPACT

I.2.1 BOOK CHAPTER IN INTERNATIONAL PUBLICATIONS – 10, Elsevier (2 chapters – 2019, 2018), InTech (6 chapters – 2018, 2017, 2015), Studium press LLC, Houston, USA (2 chapters– 2014)

I.2.2 ISI PUBLICATIONS (WOS) – 306, 218 ISI FULL TEXT ARTICLES, 23 REVIEWS, 6 PROCEEDINGS PAPER, 56 – MEETING ABSTRACT, 2 BOOK CHAPTER, 1 EDITORIAL MATERIAL

I.2.3 AWARDS FOR RESEARCH ACTIVITY – more than 45

I.2.4 HIRSH INDEX – 31, TOTAL CITATIONS – 2626 (without self-citations)

I.2.5 Web of Science ResearcherID - CLT-3608-2022

I.2.6 SCOPUS ID - 57188769810

I.3 FRAMEWORK OF SCIENTIFIC PUBLICATIONS – WOS



ANNEX II. TEACHING ACTIVITY

II.1 License and dissertation papers coordinator: more than 65 – licence papers (period 2012-2021), more than 35 – dissertation papers within the Master Programmes *OTC drugs, food supplements and cosmetics* and *Formulation and evaluation of dermatocosmetic product*

II.2 Books and monographs – 6 speciality book; updating the courses in ppt format annually according to the latest studies and information in the field

II.3 VADA Programme Coordinator –2017/2018 – 2 students; 2018/2019 – 3 students; 2019/2020 – 5 students, 2020-2021 – 4 students, 2021-2022 – 4 students

II.4 Master Programme Coordinator – Cosmetology and dermatopharmacy

II.5 Coordination of student scientific circles – Pharmaco-toxicological evaluation of some vegetal products with therapeutic potential (2017 – www.umft.ro)

II.6 Participation in various commissions related to educational process – admission/licence/ residency/ institutional evaluation

ANNEX III. SELECTION OF RELEVANT PUBLICATIONS

III.1 ISI ARTICLES (LAST 5 YEARS)

1. **Dehelean CA**, Coricovac D, Pinzaru I, et al. Rutin bioconjugates as potential nutraceutical prodrugs: An in vitro and in ovo toxicological screening. *Front Pharmacol.* 2022 Sep 23;13:1000608. doi: 10.3389/fphar.2022. **IF = 5.988**
2. Dolghi A, Coricovac D, Dinu S, Pinzaru I, **Dehelean CA**, Grosu C, Chioran D, Merghes PE, Sarau CA. Chemical and Antimicrobial Characterization of *Mentha piperita* L. and *Rosmarinus officinalis* L. Essential Oils and In Vitro Potential Cytotoxic Effect in Human Colorectal Carcinoma Cells. *Molecules.* 2022 Sep 19;27(18):6106. doi: 10.3390/molecules27186106. PMID: 36144839; PMCID: PMC9505364. **IF 4.927**
3. Pancu DF, Racea RC, Macasoï I, Sarau CA, Pinzaru I, Poenaru M, Rusu LC, **Dehelean CA**, Dinu S. Assessment of the In Vitro Cytotoxic Profile of Two Broad-Spectrum Antibiotics-Tetracycline and Ampicillin-On Pharyngeal Carcinoma Cells. *Medicina (Kaunas).* 2022 Sep 16;58(9):1289. doi: 10.3390/medicina58091289. PMID: 36143966; PMCID: PMC9505149. **IF 2.948**
4. Anton A, Moacă EA, Sarau CA, Dinu S, Semenescu AD, Macasoï IG, **Dehelean CA**. Antioxidant and in vitro cytotoxic activity of commercial lemongrass, sea buckthorn and basil essential oils, against colorectal cancer cell line HCT 116. *Farmacia.*70,4:683-689. **IF 1.55**
5. Cozma GV, Apostu A, Macasoï I, **Dehelean CA**, Cretu OM, Dinu S, Gaiță D, Manea A. In Vitro and In Ovo Evaluation of the Potential Hepatoprotective Effect of Metformin. *Medicina (Kaunas).* 2022 May 25;58(6):705. doi: 10.3390/medicina58060705. PMID: 35743967; PMCID: PMC9228172. **IF 2.948**
6. Moacă EA, Watz CG, Flondor Ionescu D, Păcurariu C, Tudoran LB, Ianoș R, Socoliuc V, Drăghici GA, Iftode A, Liga S, Dragoș D, **Dehelean CA**. Biosynthesis of Iron Oxide Nanoparticles: Physico-Chemical Characterization and Their In Vitro Cytotoxicity on Healthy

- and Tumorigenic Cell Lines. *Nanomaterials* (Basel). 2022 Jun 10;12(12):2012. doi: 10.3390/nano12122012. PMID: 35745350; PMCID: PMC9230869. **IF 5.719**
7. Caizer C, Caizer IS, Racoviceanu R, Watz CG, Mioc M, **Dehelean CA**, Bratu T, Soica C. Fe₃O₄-PAA-(HP- γ -CDs) Biocompatible Ferrimagnetic Nanoparticles for Increasing the Efficacy in Superparamagnetic Hyperthermia. *Nanomaterials* (Basel). 2022 Jul 27;12(15):2577. doi: 10.3390/nano12152577. PMID: 35957011; PMCID: PMC9370715. **IF 5.719**
 8. Dumache R, Enache A, Macasoï I, **Dehelean CA**, Dumitrascu V, Mihailescu A, Popescu R, Vlad D, Vlad CS, Muresan C. SARS-CoV-2: An Overview of the Genetic Profile and Vaccine Effectiveness of the Five Variants of Concern. *Pathogens*. 2022 Apr 26;11(5):516. doi: 10.3390/pathogens11050516. PMID: 35631037; PMCID: PMC9144800. **IF 4.531**
 9. Marcovici I, Coricovac D, Pinzaru I, Macasoï IG, Popescu R, Chioibas R, Zupko I, **Dehelean CA**. Melanin and Melanin-Functionalized Nanoparticles as Promising Tools in Cancer Research-A Review. *Cancers* (Basel). 2022 Apr 6;14(7):1838. doi: 10.3390/cancers14071838. PMID: 35406610; PMCID: PMC8998143. **IF 6.575**
 10. Tanase A, Manea A, Scurtu AD, Bratu LM, Chioran D, Dolghi A, Alexoi I, AAbed H, Lazureanu V, **Dehelean CA**. The "Invisible Enemy"; SARS-CoV-2: Viral Spread and Drug Treatment. *Medicina* (Kaunas). 2022 Feb 10;58(2):261. doi: 10.3390/medicina58020261. PMID: 35208584; PMCID: PMC8875987. **IF 2.948**
 11. Kis AM, Macasoï I, Paul C, Radulescu M, Buzatu R, Watz CG, Cheveresan A, Berceanu D, Pinzaru I, Dinu S, Manea A, Poenaru M, Borza C, **Dehelean CA**. Methotrexate and Cetuximab-Biological Impact on Non-Tumorigenic Models: In Vitro and In Ovo Assessments. *Medicina* (Kaunas). 2022 Jan 22;58(2):167. doi: 10.3390/medicina58020167. PMID: 35208492; PMCID: PMC8877801. **IF 2.948**
 12. Dolghi A, Buzatu R, Dobrescu A, Olaru F, Popescu GA, Marcovici I, Pinzaru I, Navolan D, Cretu OM, Popescu I, **Dehelean CA**. Phytochemical Analysis and In Vitro Cytotoxic Activity against Colorectal Adenocarcinoma Cells of *Hippophae rhamnoides* L., *Cymbopogon citratus* (D.C.) Stapf, and *Ocimum basilicum* L. Essential Oils. *Plants* (Basel). 2021 Dec 14;10(12):2752. doi: 10.3390/plants10122752. PMID: 34961223; PMCID: PMC8704097. **IF 4.658**
 13. Bociort F, Macasoï IG, Marcovici I, Motoc A, Grosu C, Pinzaru I, Petean C, Avram S, **Dehelean CA**. Investigation of Lupeol as Anti-Melanoma Agent: An In Vitro-In Ovo Perspective. *Curr Oncol*. 2021 Dec 2;28(6):5054-5066. 10.3390/curroncol28060425. PMID: 34940064; PMCID: PMC8700590. **IF 3.109**
 14. Pinzaru I, Chioibas R, Marcovici I, Coricovac D, Susan R, Predut D, Georgescu D, **Dehelean C**. Rutin Exerts Cytotoxic and Senescence-Inducing Properties in Human Melanoma Cells. *Toxics*. 2021 Sep 19;9(9):226. doi: 10.3390/toxics9090226. PMID: 34564377; PMCID: PMC8472636. **IF 4.472**
 15. Blidisel A, Marcovici I, Coricovac D, Hut F, **Dehelean CA**, Cretu OM. Experimental Models of Hepatocellular Carcinoma-A Preclinical Perspective. *Cancers* (Basel). 2021 Jul 21;13(15):3651. doi: 10.3390/cancers13153651. PMID: 34359553; PMCID: PMC8344976. **IF 6.575**
 16. Hut EF, Radulescu M, Pilut N, Macasoï I, Berceanu D, Coricovac D, Pinzaru I, Cretu O, **Dehelean C**. Two Antibiotics, Ampicillin and Tetracycline, Exert Different Effects in HT-29 Colorectal Adenocarcinoma Cells in Terms of Cell Viability and Migration Capacity. *Curr Oncol*. 2021 Jul 4;28(4):2466-2480. doi: 10.3390/curroncol28040225. PMID: 34287268; PMCID: PMC8293052. **IF 3.109**
 17. Pârvănescu Pană RD, Watz CG, Moacă EA, Vlaia L, Marcovici I, Macasoï IG, Borcan F, Olariu I, Coneac G, Drăghici GA, Crăiniceanu Z, Flondor Ionescu D, Enache A, **Dehelean CA**. Oleogel Formulations for the Topical Delivery of Betulin and Lupeol in Skin Injuries-Preparation, Physicochemical Characterization, and Pharmacotoxicological Evaluation. *Molecules*. 2021 Jul 9;26(14):4174. doi: 10.3390/molecules26144174. PMID: 34299450; PMCID: PMC8305438 **IF 4.927**
 18. Moacă EA, Watz CG, Socoliuc V, Racoviceanu R, Păcurariu C, Ianoș R, Cîntă-Pinzaru S, Tudoran LB, Nekvapil F, Iurciuc S, Șoica C, **Dehelean CA**. Biocompatible Magnetic Colloidal Suspension Used as a Tool for Localized Hyperthermia in Human Breast Adenocarcinoma Cells: Physicochemical Analysis and Complex In Vitro Biological Profile. *Nanomaterials* (Basel). 2021 Apr 30;11(5):1189. doi: 10.3390/nano11051189. PMID: 33946316; PMCID: PMC8145112. **IF 5.719**
 19. Marinescu AR, Lăzureanu V, Laza R, Musta V, Nicolescu N, Cuț TG, **Dehelean C**, Oancea C, Licker M. Association between ribotype and clinical form of enterocolitis with *C. difficile* in Western Romania: A 2-year study. *Exp Ther Med*. 2022 Jan;23(1):22. doi: 10.3892/etm.2021.10944. **IF 2.751**
 20. Pilut CN, Manea A, Macasoï I, Dobrescu A, Georgescu D, Buzatu R, Faur A, Dinu S, Chioran D, Pinzaru I, Hancianu M, **Dehelean C**, Malița D. Comparative Evaluation of the Potential Antitumor of *Helleborus purpurascens* in Skin and Breast Cancer. *Plants* (Basel). 2022 Jan 12;11(2):194. doi: 10.3390/plants11020194. **IF 4.658**
 21. Dinu S, Craciunescu EL, Macasoï I, Chioran D, Rivis M, Vlad D, Milutinovici RA, Marcovici I, Dolghi A, Moaca A, Dinu DC, **Dehelean C**, Popa M. Toxicological Assessment of an Acrylic Removable Orthodontic Appliance Using 2D and 3D In Vitro Methods. *Materials* (Basel). 2022 Feb 4;15(3):1193. doi: 10.3390/ma15031193. **IF 3.748**
 22. Tanase A, Manea A, Scurtu AD, Bratu LM, Chioran D, Dolghi A, Alexoi I, AAbed H, Lazureanu V, **Dehelean CA**. The "Invisible Enemy" SARS-CoV-2: Viral Spread and Drug Treatment. *Medicina*. 2022; 58(2):261. <https://doi.org/10.3390/medicina58020261> **IF 2.948**
 23. Dolghi A, Buzatu R, Dobrescu A, Olaru F, Popescu GA, Marcovici I, Pinzaru I, Navolan D, Cretu OM, Popescu I, **Dehelean CA**. Phytochemical Analysis and In Vitro Cytotoxic Activity against Colorectal Adenocarcinoma Cells of *Hippophae rhamnoides* L., *Cymbopogon citratus* (D.C.) Stapf, and *Ocimum basilicum* L. Essential Oils. *Plants* (Basel). 2021 Dec 14;10(12):2752. doi: 10.3390/plants10122752. **IF 4.658**
 24. Pinzaru I, Chioibas R, Marcovici I, Coricovac D, Susan R, Predut D, Georgescu D, **Dehelean C**. Rutin Exerts Cytotoxic and Senescence-Inducing Properties in Human Melanoma Cells. *Toxics*. 2021 Sep 19;9(9):226. doi: 10.3390/toxics9090226 **IF 4.472**
 25. Blidisel A, Marcovici I, Coricovac D, Hut F, **Dehelean CA**, Cretu OM. Experimental Models of Hepatocellular Carcinoma-A Preclinical Perspective. *Cancers* (Basel). 2021 Jul 21;13(15):3651. doi: 10.3390/cancers13153651. **IF 6.575**
 26. Hut E-F, Radulescu M, Pilut N, Macasoï I, Berceanu D, Coricovac D, Pinzaru I, Cretu O, Dehelean C. Two Antibiotics, Ampicillin and Tetracycline, Exert Different Effects in HT-29 Colorectal Adenocarcinoma Cells in Terms of Cell Viability and Migration Capacity. *Current Oncology*. 2021; 28(4):2466-2480. <https://doi.org/10.3390/curroncol28040225>. **IF 3.109**
 27. Pop D, Buzatu R, Moacă E-A, Watz CG, Cîntă Pinzaru S, Barbu Tudoran L, Nekvapil F, Avram Ș, **Dehelean CA**, Crețu MO, Nicolov M, Szuhaneck C, Jivănescu A. Development and Characterization of Fe₃O₄@Carbon Nanoparticles and Their Biological Screening Related to Oral Administration. *Materials*. 2021; 14(13):3556. <https://doi.org/10.3390/ma14133556>. **IF 3.748**
 28. Ghițu A, Pavel IZ, Avram S, Kis B, Minda D, **Dehelean CA**, Buda V, Folescu R, Danciu C. An In Vitro-In Vivo Evaluation of the Antiproliferative and Antiangiogenic Effect of Flavone Apigenin against SK-MEL-24 Human Melanoma Cell Line. *Anal Cell Pathol (Amst)*. 2021 Jun 21;2021:5552664. doi: 10.1155/2021/5552664. **IF 4.133**
 29. Coricovac D, **Dehelean CA**, Pinzaru I, Mioc A, Aburel O-M, Macasoï I, Draghici GA, Petean C, Soica C, Boruga M, Vlaicu B, Muntean MD. Assessment of Betulinic Acid Cytotoxicity and Mitochondrial Metabolism Impairment in a Human Melanoma Cell Line. *International Journal of Molecular Sciences*. 2021; 22(9):4870. <https://doi.org/10.3390/ijms22094870>. **IF 6.208**

30. Moacă E-A, Watz C-G, Socoliuc V, Racoviceanu R, Păcurariu C, Ianoș R, Cîntă-Pînzaru S, Tudoran LB, Nekvapil F, Iurciuc S, Șoica C, **Dehelean C-A**. Biocompatible Magnetic Colloidal Suspension Used as a Tool for Localized Hyperthermia in Human Breast Adenocarcinoma Cells: Physicochemical Analysis and Complex In Vitro Biological Profile. *Nanomaterials*. 2021; 11(5):1189. <https://doi.org/10.3390/nano11051189>. **IF 5.719**
31. Simu S, Marcovici I, Dobrescu A, Malita D, **Dehelean CA**, Coricovac D, Olaru F, Draghici GA, Navolan D. Insights into the Behavior of Triple-Negative MDA-MB-231 Breast Carcinoma Cells Following the Treatment with 17 β -Ethinylestradiol and Levonorgestrel. *Molecules*. 2021 May 8;26(9):2776. doi: 10.3390/molecules26092776. **IF 4.927**
32. Fabricky MMC, Gabor AG, Milutinovici RA, Watz CG, Avram Ș, Drăghici G, Mihali CV, Moacă EA, **Dehelean CA**, Galuscan A, Buzatu R, Duma VF, Negrutiu ML, Sinescu C. Scaffold-Type Structure Dental Ceramics with Different Compositions Evaluated through Physicochemical Characteristics and Biosecurity Profiles. *Materials (Basel)*. 2021 Apr 27;14(9):2266. doi: 10.3390/ma14092266. **IF 3.748**
33. Guran K, Buzatu R, Pinzaru I, Boruga M, Marcovici I, Coricovac D, Avram S, Poenaru M, Susan M, Susan R, Radu D, **Dehelean CA**. In Vitro Pharmacotoxicological Characterization of *Melissa officinalis* Total Extract Using Oral, Pharynx and Colorectal Carcinoma Cell Lines. *Processes*. 2021; 9(5):850. <https://doi.org/10.3390/pr9050850>. **IF 3.352**
34. Lombrea A, Scurtu AD, Avram S, Pavel IZ, Turks M, Lugișina J, Peișiuș U, **Dehelean CA**, Soica C, Danciu C. Anticancer Potential of Betulinic Acid Derivatives. *Int J Mol Sci*. 2021 Apr 1;22(7):3676. doi: 10.3390/ijms22073676 **IF 6.208**
35. Sipos S, Moacă E-A, Pavel IZ, Avram Ș, Crețu OM, Coricovac D, Racoviceanu R-M, Ghiulai R, Pană RD, Șoica CM, Borcan F, **Dehelean CA**, Crăniceanu Z. *Melissa officinalis* L. Aqueous Extract Exerts Antioxidant and Antiangiogenic Effects and Improves Physiological Skin Parameters. *Molecules*. 2021; 26(8):2369. <https://doi.org/10.3390/molecules26082369>. **IF 4.927**
36. Pancu DF, Scurtu A, Macasoș IG, Marti D, Mioc M, Soica C, Coricovac D, Horhat D, Poenaru M, **Dehelean C**. Antibiotics: Conventional Therapy and Natural Compounds with Antibacterial Activity—A Pharmacotoxicological Screening. *Antibiotics*. 2021; 10(4):401. <https://doi.org/10.3390/antibiotics10040401>. **IF 5.222**
37. Iftode A, Drăghici GA, Macasoș I, Marcovici I, Coricovac DE, Dragoi R, Tischer A, Kovatsi L, Tsatsakis AM, Cretu O, **Dehelean C**. Exposure to cadmium and copper triggers cytotoxic effects and epigenetic changes in human colorectal carcinoma HT-29 cells. *Exp Ther Med*. 2021 Jan;21(1):100. doi: 10.3892/etm.2020.9532. **IF 2.751**
38. Antal DS, Ardelean F, Jijie R, Pinzaru I, Soica C, **Dehelean C**. Integrating Ethnobotany, Phytochemistry, and Pharmacology of *Cotinus coggygria* and *Toxicodendron vernicifluum*: What Predictions can be Made for the European Smoketree? *Front Pharmacol* 2021, 12, 746. DOI=10.3389/fphar.2021.662852. **IF 5.811**
39. Cepeha CM, Paul C, Borlea A, Fofiu R, Borcan F, **Dehelean CA**, Ivan V, Stoian D. Shear-Wave Elastography-Diagnostic Value in Children with Chronic Autoimmune Thyroiditis. *Diagnostics (Basel)*. 2021 Feb 5;11(2):248. doi: 10.3390/diagnostics11020248. **IF 3.992**
40. **Dehelean CA**, Marcovici I, Soica C, Mioc M, Coricovac D, Iurciuc S, Cretu OM, Pinzaru I. Plant-Derived Anticancer Compounds as New Perspectives in Drug Discovery and Alternative Therapy. *Molecules*. 2021 Feb 19;26(4):1109. doi: 10.3390/molecules26041109. **IF 4.927**
41. Șoica C, Voicu M, Ghiulai R, **Dehelean C**, Racoviceanu R, Trandafirescu C, Roșca OJ, Nistor G, Mioc M, Mioc A. Natural Compounds in Sex Hormone-Dependent Cancers: The Role of Triterpenes as Therapeutic Agents. *Front Endocrinol (Lausanne)*. 2021 Jan 21;11:612396. doi: 10.3389/fendo.2020.612396. **IF 6.055**
42. Danciu C, Cioanca O, Watz Farcaș C, Hancianu M, Racoviceanu R, Muntean D, Zupko I, Oprean C, Tatu C, Paunescu V, Proks M, Diaconeasa Z, Soica C, Pinzaru I, **Dehelean C**. Botanical Therapeutics (Part II): Antimicrobial and In Vitro Anticancer Activity against MCF7 Human Breast Cancer Cells of Chamomile, Parsley and Celery Alcoholic Extracts. *Anticancer Agents Med Chem*. 2021;21(2):187-200. doi: 10.2174/1871520620666200807213734. **IF 2.47**
43. Pinzaru I, Tanase A, Enătescu V, Coricovac D, Bociort F, Marcovici I, Watz C, Vlaia L, Soica C, **Dehelean C**. Proniosomal Gel for Topical Delivery of Rutin: Preparation, Physicochemical Characterization and In Vitro Toxicological Profile Using 3D Reconstructed Human Epidermis Tissue and 2D Cells. *Antioxidants (Basel)*. 2021 Jan 10;10(1):85. doi: 10.3390/antiox10010085. **IF 7.675**
44. Pinzaru I, Sarau C, Coricovac D, Marcovici I, Utescu C, Tofan S, Popovici RA, Manea HC, Pavel IE, Soica C, **Dehelean C**. Silver Nanocolloids Loaded with Betulinic Acid with Enhanced Antitumor Potential: Physicochemical Characterization and In Vitro Evaluation. *Nanomaterials (Basel)*. 2021 Jan 9;11(1):152. doi: 10.3390/nano11010152. **IF 5.719**
45. Borcan F, Len A, **Dehelean CA**, Dudás Z, Ghiulai R, Iftode A, Racoviceanu R, Soica CM. Design and Assessment of a Polyurethane Carrier Used for the Transmembrane Transfer of Acyclovir. *Nanomaterials (Basel)*. 2020 Dec 28;11(1):51. doi: 10.3390/nano11010051. **IF 5.719**
46. Lombrea A, Antal D, Ardelean F, Avram S, Pavel IZ, Vlaia L, Mut AM, Diaconeasa Z, **Dehelean CA**, Soica C, Danciu C. A Recent Insight Regarding the Phytochemistry and Bioactivity of *Origanum vulgare* L. Essential Oil. *Int J Mol Sci*. 2020 Dec 17;21(24):9653. doi: 10.3390/ijms21249653. **IF 5.924**
47. Szuhaneck CA, Watz CG, Avram Ș, Moacă EA, Mihali CV, Popa A, Campan AA, Nicolov M, **Dehelean CA**. Comparative Toxicological In Vitro and In Ovo Screening of Different Orthodontic Implants Currently Used in Dentistry. *Materials (Basel)*. 2020 Dec 13;13(24):5690. doi: 10.3390/ma13245690. **IF 3.623**
48. Alexa VT, Szuhaneck C, Cozma A, Galuscan A, Borcan F, Obistioiu D, **Dehelean CA**, Jumanca D. Natural Preparations Based on Orange, Bergamot and Clove Essential Oils and Their Chemical Compounds as Antimicrobial Agents. *Molecules*. 2020 Nov 24;25(23):5502. doi: 10.3390/molecules25235502. **IF 4.412**
49. Dumbrava D, Popescu LA, Soica CM, Nicolin A, Cocan I, Negrea M, Alexa E, Obistioiu D, Radulov I, Popescu S, Watz C, Ghiulai R, Mioc A, Szuhaneck C, Sinescu C, **Dehelean C**. Nutritional, Antioxidant, Antimicrobial, and Toxicological Profile of Two Innovative Types of Vegan, Sugar-Free Chocolate. *Foods*. 2020 Dec 11;9(12):1844. doi: 10.3390/foods9121844. **IF 4.35**
50. Ghiulai R, Roșca OJ, Antal DS, Mioc M, Mioc A, Racoviceanu R, Macasoș I, Olariu T, **Dehelean C**, Crețu OM, Voicu M, Șoica C. Tetracyclic and Pentacyclic Triterpenes with High Therapeutic Efficiency in Wound Healing Approaches. *Molecules*. 2020 Nov 26;25(23):5557. doi: 10.3390/molecules25235557. **IF 4.412**
51. Maghiari AL, Coricovac D, Pinzaru IA, Macasoș IG, Marcovici I, Simu S, Navolan D, **Dehelean C**. High Concentrations of Aspartame Induce Pro-Angiogenic Effects in Ovo and Cytotoxic Effects in HT-29 Human Colorectal Carcinoma Cells. *Nutrients*. 2020 Nov 24;12(12):3600. doi: 10.3390/nu12123600. **IF 5.719**
52. Enătescu VR, Kalinovic R, **Dehelean CA**, Giurgi-Oncu C, Hogeia LM, Ifteni P, Vlad G, Neda-Stepan O, Simu M, Bedreag OH, Marinescu I, Hutanu D, Enătescu I, Nussbaum LA. The efficacy of clonidine in the pharmacological management of alcohol withdrawal syndrome: preliminary results. *Farmacia*, 2020, 68(6), 1069-1074. **IF 1.433**
53. Faur A, Watz C, Moacă EA, Avram Ș, Borcan F, Pinzaru I, Iftode A, Nicolov M, Popovici RA, Raica M, Szuhaneck CA, **Dehelean C**. Correlations on Phenolic Screening Related to In Vitro and In Ovo Assessment of *Ocimum basilicum* L. Hydro-Alcoholic Extracts Used as Skin Active Ingredient. *Molecules*. 2020 Nov 20;25(22):5442. doi: 10.3390/molecules25225442. **IF 4.412**

54. Kis B, Avram S, Pavel IZ, Lombrea A, Buda V, **Dehelean CA**, Soica C, Yerer MB, Bojin F, Folescu R, Danciu C. Recent Advances Regarding the Phytochemical and Therapeutic Uses of *Populus nigra* L. *Buds. Plants (Basel)*. 2020 Oct 29;9(11):1464. doi: 10.3390/plants9111464. **IF 2.762**
55. Cepeha CM, Paul C, Borlea A, Borcan F, Fofiu R, **Dehelean CA**, Stoian D. The Value of Strain Elastography in Predicting Autoimmune Thyroiditis. *Diagnostics (Basel)*. 2020 Oct 27;10(11):874. doi: 10.3390/diagnostics10110874. **IF 3.706**
56. Popa A, **Dehelean C**, Calniceanu H, Watz C, Brad S, Sinescu C, Marcu OA, Popa CS, Avram S, Nicolov M, Szuhaneck CA. A Custom-Made Orthodontic Mini-Implant-Effect of Insertion Angle and Cortical Bone Thickness on Stress Distribution with a Complex In Vitro and In Vivo Biosafety Profile. *Materials (Basel)*. 2020 Oct 27;13(21):4789. doi: 10.3390/ma13214789 **IF 3.623**
57. Racoviceanu R, Trandafirescu C, Voicu M, Ghiulai R, Borcan F, **Dehelean C**, Watz C, Aigner Z, Ambrus R, Coricovac DE, Cîrcioban D, Mioc A, Szuhaneck CA, Şoica C. Solid Polymeric Nanoparticles of Albendazole: Synthesis, Physico-Chemical Characterization and Biological Activity. *Molecules*. 2020 Nov 4;25(21):5130. doi: 10.3390/molecules25215130. **IF 4.412**
58. Groşan, Alexandra, Vari, Camil-Eugen, Ştefănescu, Ruxandra, Danciu, Corina, Pavel, Ioana Zinuca, **Dehelean, Cristina**, Man, Adrian, David, Remona Eliza, Vlase, Laurian and Muntean, Lucia Daniela. "Antibacterial and antitumor activity of the species ." *Revista Romana de Medicina de Laborator*, vol.28, no.4, 2020, pp.405-417. <https://doi.org/10.2478/rrlm-2020-0031> **IF 1.027**
59. Eremici, Ivana; Dumitru, Catalin; Navolan, Dan; Craina, Marius; Ivan, Viviana; Borcan, Florin; **Dehelean, Cristina A.**; Mozos, Ioana; Stoian, Dana. 2020. "Diagnostic Value of Different Risk-Stratification Algorithms in Solid Breast Lesions" *Appl. Sci.* 10, no. 19: 6943. <https://doi.org/10.3390/app10196943> **IF 2.679f**
60. Bojin LA, Georgescu M, Cojocar C, Pascariu MC, Purcarea VL, Ivan MV, Puiu M, Dehelean C, Serb AF, Sisu E, Penescu MN. Structural investigation of raw and modified glycans by Maldi-Tof mass spectrometry. *Farmacia*, 2020, 68(5), 891-897. **IF 1.433**
61. Buda V, Brezoiu AM, Berger D, Pavel IZ, Muntean D, Minda D, **Dehelean CA**, Soica C, Diaconeasa Z, Folescu R, Danciu C. Biological Evaluation of Black Chokeberry Extract Free and Embedded in Two Mesoporous Silica-Type Matrices. *Pharmaceutics*. 2020 Sep 1;12(9):838. doi: 10.3390/pharmaceutics12090838. **IF 6.321**
62. Macaşoi I, Pavel IZ, Moacă AE, Avram Ş, David VL, Coricovac D, Mioc A, Spandidos DA, Tsatsakis A, Şoica C, Dumitraşcu V, **Dehelean C**. Mechanistic investigations of antitumor activity of a Rhodamine B-oleanolic acid derivative bioconjugate. *Oncol Rep*. 2020 Sep;44(3):1169-1183. doi: 10.3892/or.2020.7666. **IF 3.906**
63. Cîrcioban, D; Ledeti, I; Suta, LM; Vlase, G; Ledeti, A; Vlase, T; Varut, R; Sbarcea, L; Trandafirescu, C; **Dehelean, C**. Instrumental analysis and molecular modelling of inclusion complexes containing artesunate. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY* 2020 DOI: 10.1007/s10973-020-09975-3 **IF 4.626**
64. Balea, TS; Parvu, AE; Parvu, M; Vlase, L; **Dehelean, CA**; Pop, TI. Antioxidant, Anti-Inflammatory and Antiproliferative Effects of the Vitis vinifera L. var. Feteasca Neagra and Pinot Noir Pomace Extracts. *FRONTIERS IN PHARMACOLOGY* 2020 Volume: 11, Article Number: 990, DOI: 10.3389/fphar.2020.00990 **IF 5.811**
65. Moatar, AE; Vlad, CS; Vlad, DC; Verdes, DM; Filimon, MN; Bloju, O; Borcan, F; **Dehelean, CA**; Dumitraşcu, V. Evaluation of antiproliferative potential of myrmecodia pendans and its activity on IL-8 secretion in colon cancer cell. *FARMACIA* 2020 Volume: 68 Issue: 4 Pages: 710-714, DOI: 10.31925/farmacia.2020.4.17 **IF 1.433**
66. **Dehelean, CA**; Lazureanu, V; Coricovac, D; Mioc, M; Oancea, R; Marcovici, I; Pinzaru, I; Soica, C; Tsatsakis, AM; Cretu, O. SARS-CoV-2: Repurposed Drugs and Novel Therapeutic Approaches—Insights into Chemical Structure—Biological Activity and Toxicological Screening. *JOURNAL OF CLINICAL MEDICINE*, 2020, 9, 2084; doi:10.3390/jcm9072084. **IF 4.242**
67. Cîrcioban, D; Ledeti, A; Vlase, G; Vlase, T; **Dehelean, C**; Ledeti, I. Thermal stability and kinetic degradation study for dihydroartemisinin. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY* 2020, DOI: 10.1007/s10973-020-09902-6. **IF 4.626**
68. Fecker, R; Buda, V; Alexa, E; Avram, S; Pavel, IZ; Muntean, D; Cocan, I; Watz, C; Minda, D; **Dehelean, CA**; Soica, C; Danciu, C. Phytochemical and Biological Screening of *Oenothera biennis* L. Hydroalcoholic Extract. *BIOMOLECULES* 2020, Volume: 10 Issue: 6 Article Number: 818, DOI: 10.3390/biom10060818. **IF 4.879**
69. Cîrcioban, D; Ledeti, A; Vlase, G; Ledeti, L; Vlase, T; Varut, R; Pavel, LZ; **Dehelean, C**. Preparation, physicochemical characterization and biological activity evaluation of some inclusion complexes containing artesunate. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY* 2020, Volume: 141 Issue: 3 Pages: 1041-1051 DOI: 10.1007/s10973-020-09763-z. **IF 4.626**
70. Farcas CG; Macasoi I; Pinzaru I; Chirita M; Chirita Mihaila MC; **Dehelean C**; Avram S; Loghin F; Mocanu L; Rotaru V; Ieta A; Ercuta A; Coricovac D. Controlled Synthesis and Characterization of Micrometric Single Crystalline Magnetite with Superparamagnetic Behavior and Cytocompatibility/Cytotoxicity Assessments. *FRONTIERS IN PHARMACOLOGY* 2020; 11:410. DOI: 10.3389/fphar.2020.00410 **IF 6.4**
71. Borlea, A; Borcan, F; Sporea, I; **Dehelean, CA**; Negrea, R; Cotoi, L; Stoian D. TI-RADS Diagnostic Performance: Which Algorithm is Superior and How Elastography and 4D Vascularity Improve the Malignancy Risk Assessment. *DIAGNOSTICS (Basel)*. 2020 Mar 26;10(4). pii: E180. DOI: 10.3390/diagnostics10040180. **IF 3.706**
72. Cotoi, L; Borcan, F; Sporea, I; Amzar, D; Schiller, O; Schiller, A; **Dehelean, CA**; Pop, GN; Borlea, A; Stoian, D. Thyroid Pathology in End-Stage Renal Disease Patients on Hemodialysis. *DIAGNOSTICS (Basel)*. 2020 Apr;10(4), 245 DOI: 10.3390/diagnostics10040245. **IF 3.11**
73. Enatescu VR; **Dehelean CA**; Nussbaum LA; Hogeia L; Homorogan C; Enatescu I; Papava I; Marinescu I; Ifteni P; Simu M; Catalin M; Giurgi-Onu C; Sirbu IO. Study On Tolerability And Efficacy Of Paliperidone Palmitate, Olanzapine Pamoate And Risperidone Long Acting Injection In A Romanian Sample Of Patients With Schizophrenia. *FARMACIA*, 2020, 68(2):242-249. DOI: 10.31925/farmacia.2020.2.8 **IF 1.433**
74. Putz, AM; Ianasi, C; Dudas, Z; Coricovac, D; Watz, C; Len, A; Almasy, L; Sacarescu, L; **Dehelean, C**. SiO₂-PVA-Fe(acac)₃ Hybrid Based Superparamagnetic Nanocomposites for Nanomedicine: Morpho-textural Evaluation and In Vitro Cytotoxicity Assay. *MOLECULES*, 2020, 25(3), Article Number: 653, DOI: 10.3390/molecules25030653 **IF 4.412**
75. Simu, GM; Atchana, J; Soica, CM; Coricovac, DE; Simu, SC; **Dehelean, CA (autor coresp)**. Pharmaceutical Mixtures: Still A Concern for Human and Environmental Health. *CURRENT MEDICINAL CHEMISTRY*, 2020, 27(1):121-153, Special Issue: SI, DOI: 10.2174/092986732566681108094222 **IF 4.53**
76. Antal, DS; Ardelean, F; Avram, S; Pavel, IZ; Danciu, C; Soica, C; **Dehelean C**. Flavonolignans: One Step Further in the Broad-Spectrum Approach of Cancer. *ANTICANCER AGENTS MED CHEM*. 2020 Jan 23. DOI: 10.2174/1871520620666200124112649. **IF 2.507**
77. Cotoi, L; Borcan, F; Sporea, I; Amzar, D; Schiller, O; Schiller, A; **Dehelean, CA**; Pop, GN; Stoian, D. Shear Wave Elastography in Diagnosing Secondary Hyperparathyroidism. *DIAGNOSTICS*, 2019, 9(4), Article Number: 213, DOI: 10.3390/diagnostics9040213 **IF 3.11**

78. Kis, B; Ifrim, FC; Buda, V; Avram, S; Pavel, IZ; Antal, D; Paunescu, V; **Dehelean, CA**; Ardelean, F; Diaconeasa, Z; Soica, C; Danciu, C. Cannabidiol-from Plant to Human Body: A Promising Bioactive Molecule with Multi-Target Effects in Cancer. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, 2019, 20(23), Article Number: 5905, DOI: 10.3390/ijms20235905 **IF 4.556**
79. Trandafirescu, C; Ledeti, I; Soica, C; Ledeti, A; Vlase, G; Borcan, F; **Dehelean, C**; Coricovac, D; Racoviceanu, R; Aigner, Z. Albendazole-cyclodextrins binary systems Thermal and spectral investigation on drug- excipient interaction. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, 2019, 138(5):3039-3054, DOI: 10.1007/s10973-019-08326-1 **IF 2.731**
80. Vlad, CS; Vlaia, L; Vlaia, V; Dumitrascu, V; Filimon, MN; Popescu, R; Cimporescu, A; **Dehelean, C**; Onwubiko, CE; Daliborca, CV. Chromatographic analysis and antibacterial potential of extracts of *Gnetum Africanum*. *FARMACIA*, 2019, 67(6):1083-1090, DOI: 10.31925/farmacia.2019.6.22 **IF 1.607**
81. Draghici, GA; **Dehelean, C**; Pinzaru, I; Bordean, DM; Borozan, A; Tsatsakis, AM; Kovatsi, L; Nica, D. Soil copper uptake by land snails: A semi-field experiment with juvenile *Cantareus aspersus* snails. *ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY*, 2019, 72:UNSP 103243, DOI: 10.1016/j.etap.2019.103243 **IF 3.292**
82. Moaca, EA; Pavel, IZ; Danciu, C; Crainiceanu, Z; Minda, D; Ardelean, F; Antal, DS; Ghiulai, R; Cioca, A; Derban, M; Simu, S; Chioibas, R; Szuhaneck, C; **Dehelean, CA**. Romanian Wormwood (*Artemisia absinthium* L.): Physicochemical and Nutraceutical Screening. *MOLECULES*, 2019, 24(17):3087, DOI: 10.3390/molecules24173087 **IF 3.267**
83. Duca, A; Sturza, A; Moaca, EA; Negrea, M; Lalescu, VD; Lungeanu, D; **Dehelean, CA (autor coresp)**; Muntean, DM; Alexa, E. Identification of Resveratrol as Bioactive Compound of Propolis from Western Romania and Characterization of Phenolic Profile and Antioxidant Activity of Ethanolic Extracts. *MOLECULES*, 2019, 24(18):3368, DOI: 10.3390/molecules24183368 **IF 3.267**
84. Stoian, D; Borcan, F; Petre, I; Mozos, I; Varcus, F; Ivan, V; Cioca, A; Apostol, A; **Dehelean, CA**. Strain Elastography as a Valuable Diagnosis Tool in Intermediate Cytology (Bethesda III) Thyroid Nodules. *DIAGNOSTICS*, 2019, 9(3):119, DOI: 10.3390/diagnostics9030119 **IF 3.11**
85. Chioibas, R; Borcan, F; **Dehelean, CA**; Soica, CM. Comparative Characterization of Different Samples Containing Nano-ZnO Particles with Applicability in Topical Therapies. *MATERIALE PLASTICE*, 2019, 56(3):652-656 **IF = 1.393**
86. Draghici, GA; **Dehelean, CA**; Pinzaru, I; Bordean, DM; Pop, G; Nica, DV. An 112-Days Experiment on Dietary Cadmium Retention in Hepatopancreas in Adult *Cantareus aspersus* Snails. *REVISTA DE CHIMIE*, 2019, 70(8):2803-2804 **IF 1.755**
87. Circioban, D; Pavel, IZ; Ledeti, A; Ledeti, I; Danciu, C; **Dehelean, C**. Cytotoxic Activity Evaluation on Breast Cells of Guest-host Complexes Containing Artemisinin. *REVISTA DE CHIMIE*, 2019, 70(8):2843-2846 **IF 1.755**
88. Popovici RA; Vaduva D; Pinzaru I; **Dehelean CA**; Farcas CG; Coricovac D; Danciu C; Popescu I; Alexa E; Lazureanu V; Stanca HT. A comparative study on the biological activity of essential oil and total hydro-alcoholic extract of *Satureja hortensis* L. *EXPERIMENTAL AND THERAPEUTIC MEDICINE*, 2019, 18(2): 932–942. DOI: 10.3892/etm.2019.7635 **IF 1.785**
89. Boda, D; **Dehelean, C**. Immuno-dermatological processes involved in chronic skin diseases: Highlights of the Second Conference of the Romanian Society for Immuno-Dermatology, Bucharest, September, 2018. *EXPERIMENTAL AND THERAPEUTIC MEDICINE*, 2019, 18(2):873-874, DOI: 10.3892/etm.2019.7690, Publisher Spandidos Publ LTD, Pob 18179, Athens, 116 10, Greece **IF 1.785**
90. Iman, V; Taculescu, A; **Dehelean, C**; Paunescu, V. Magnetic Nanoparticles (MNPs) Influence on SK-BR3 Breast Cancer Cell Line - in vitro Study. *REVISTA DE CHIMIE*, 2019, 70(7):2452-2455 **IF 1.755**
91. Pavel, IZ; Csuk, R; Danciu, C; Avram, S; Baderca, F; Cioca, A; Moaca, EA; Mihali, CV; Pinzaru, I; Muntean, DM; **Dehelean, CA**. Assessment of the Antiangiogenic and Anti-Inflammatory Properties of a Maslinic Acid Derivative and its Potentiation using Zinc Chloride. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, 2019, 20(11):2828, DOI: 10.3390/ijms20112828 **IF 4.556**
92. Moacă EA, Mihali CV, Macaşoi IG, Racoviceanu Băbuță R, Şoica C, **Dehelean CA**, Păcurariu C, Florescu S. Fe₃O₄@C Matrix with Tailorable Adsorption Capacities for Paracetamol and Acetylsalicylic Acid: Synthesis, Characterization, and Kinetic Modeling. *MOLECULES*, 2019, 24(9). pii: E1727. DOI: 10.3390/molecules24091727 **IF 3.267**
93. Tuta-Sas, I; Proks, M; Paunescu, V; Pinzaru, I; Sas, I; Coricovac, D; Moaca, A; **Dehelean, C**. Thymus Vulgaris Extract Formulated as Cyclodextrin Complexes: Synthesis, Characterization, Antioxidant Activity and in Vitro Cytotoxicity Assessment. *FARMACIA*, 2019, 67(3):442-451, DOI: 10.31925/farmacia.2019.3.10 **IF 1.607**
94. Moacă EA, Farcaş C, Coricovac D, Avram S, Mihali CV, Drăghici GA, Loghin F, Păcurariu C, **Dehelean C**. Oleic Acid Double Coated Fe₃O₄ Nanoparticles as Anti-Melanoma Compounds with a Complex Mechanism of Activity-In Vitro and In Ovo Assessment. *J BIOMED NANOTECHNOL*. 2019, 15(5):893-909. DOI: 10.1166/jbn.2019.2726 **IF 4.483**
95. Ghițu A, Schwiebs A, Radeke HH, Avram S, Zupko I, Bor A, Pavel IZ, **Dehelean CA**, Oprean C, Bojin F, Farcas C, Soica C, Duicu O, Danciu C. A Comprehensive Assessment of Apigenin as an Antiproliferative, Proapoptotic, Antiangiogenic and Immunomodulatory Phytochemical. *NUTRIENTS*. 2019, 11(4). pii: E858. DOI: 10.3390/nu11040858 **IF 4.546**
96. Coșarcă SL, Moacă EA, Tanase C, Muntean DL, Pavel IZ, **Dehelean C**. Spruce and beech bark aqueous extracts: source of polyphenols, tannins and antioxidants correlated to in vitro antitumor potential on two different cell lines, *WOOD SCIENCE AND TECHNOLOGY*, 2019, 53(2): 313-333, DOI: 10.1007/s00226-018-1071-5 **IF 2.109**
97. Nicolov M, Ghiulai RM, Voicu M, Mioc M, Duse AO, Roman R, Ambrus R, Zupko I, Moaca EA, Coricovac DE, Farcas C, Racoviceanu RM, Danciu C, **Dehelean CA**, Soica C. Cocrystal Formation of Betulinic Acid and Ascorbic Acid: Synthesis, Physico-Chemical Assessment, Antioxidant, and Antiproliferative Activity. *FRONT CHEM*. 2019, 7:92. DOI: 10.3389/fchem.2019.00092 **IF 3.693**
98. Mioc A; Mioc M ; Ghiulai R ; Voicu M ; Racoviceanu R ; Trandafirescu C; **Dehelean C**; Coricovac D; Soica C. Gold Nanoparticles as Targeted Delivery Systems and Theranostic Agents in Cancer Therapy. *CURRENT MEDICINAL CHEMISTRY*, 2019, 26(35): 6493-6513. DOI: 10.2174/0929867326666190506123721 **IF 4.184**
99. Muntean, D; Licker, M; Alexa, E; Popescu, I; Jianu, C; Buda, V; **Dehelean, CA**; Ghiulai, R; Horhat, F; Horhat, D; Danciu, C. Evaluation of essential oil obtained from *Mentha piperita* L. against multidrug-resistant strains. *INFECTION AND DRUG RESISTANCE*, 2019, 12:2905-2914, DOI: 10.2147/IDR.S218141 **IF 2.984**
100. Duca, A; Alexa, E; **Dehelean, CA**; Soica, C; Danciu, C; Popescu, I; Cocan, I; Lalescu, D; Muntean, DM. Assessment of Lipid Profile of Eight Propolis Samples from Western Romania. *FARMACIA*, 2019, 67(1):126-132, DOI: 10.31925/farmacia.2019.1.17 **IF 1.607**
101. Nica D, Draghici G, Andrica FM, Popescu S, Coricovac D, **Dehelean C* (autor coresp)**, Gergen I, Kovatsi L, Coleman M, Tsatsakis A. Short-term effects of very low dose cadmium feeding on copper, manganese and iron homeostasis: A gastropod perspective. *ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY*, 2019, 65:9-13, DOI:10.1016/j.etap.2018.10.005 **IF 3.292**

102. Danciu, C; Muntean, D; Alexa, E; Farcas, C; Oprean, C; Zupko, I; Bor, A; Minda, D; Proks, M; Buda, V; Hancianu, M; Cioanca, O; Soica, C; Popescu, S; **Dehelean, CA**. Phytochemical Characterization and Evaluation of the Antimicrobial, Antiproliferative and Pro-Apoptotic Potential of Ephedra alata Decne. Hydroalcoholic Extract against the MCF-7 Breast Cancer Cell Line. *MOLECULES*, 2019, 24(1), Article Number: 13, DOI: 10.3390/molecules24010013 **IF 3.267**
103. 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*, 2019, 134:1–19, DOI: 10.1016/j.ejpb.2018.11.006 **IF 4.604**
104. 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*, 2019, 15(1):12-22, DOI: 10.5114/aoms.2018.81034 **IF 2.807**
105. 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*, 2018, 19(11):3600, DOI: 10.3390/ijms19113600 **IF = 4.183**
106. 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*, 2018, 19(11):3624, DOI: 10.3390/ijms19113624 **IF = 4.183**
107. 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*, 2018, 134(1):741-748, DOI: 10.1007/s10973-018-7497-z **IF = 2.471**
108. 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*, 2018, 134(1):749-756, DOI: 10.1007/s10973-018-7257-0 **IF = 2.471**
109. 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*, 2018, 447(1-2):103-109, DOI: 10.1007/s11010-018-3296-x **IF = 2.884**
110. 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*, 2018, Article number 373, DOI: 10.3389/fchem.2018.00373 **IF = 3.782**
111. 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*, 2018, 69(8):2067-2070 **IF = 1.605**
112. 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*, 2018, 19(6), Article number 1566, DOI: 10.3390/ijms19061566 **IF = 4.183**
113. 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*, 2018, Article number 429, DOI: 10.3389/fphar.2018.00429 **IF = 3.845**
114. 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*, 2018, 66(2):302-308 **IF = 1.527**
115. 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*, 2018, 95:45-50, DOI: 10.1016/j.vibspec.2018.01.004 **IF = 1.861**
116. 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*, 2018, 15(2):1863-1870, DOI: 10.3892/etm.2017.5640 **IF = 1.448**
117. 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*, 2018, 18(5):693-701, DOI: 10.2174/1871520617666171113120255 **IF = 2.180**
118. Pinzaru, I; Coricovac, D; **Dehelean, C* (coresp autor)**; 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*, 2018, 111:546-556, DOI: 10.1016/j.fct.2017.11.051 **IF = 3.775**
119. 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*, 2018, 23(1), Article number 185, DOI: 10.3390/molecules23010185 **IF = 3.060**
120. 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*, 2018, 110(6):352-357, DOI: 10.17235/reed.2018.4864/2017 **IF = 1.858**
121. 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*, 2018, 18(5):631-644, DOI: 10.2174/1871520617666171121142522 **IF = 2.180**
122. 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*, 2018, Article number 7860456, DOI: 10.1155/2018/7860456 **IF = 1.984**

123. 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*, 2018, 19(7):841-853, DOI: 10.2174/1389450118666171109150731 **IF = 2.642**
124. 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*, 2018, 13(2):2247-2267, DOI: 10.15376/biores.13.2.2247-2267 **IF = 1.396**
125. Pinzaru, I; Heghes, A; Marti, D; **Dehelean, C**; Coricovac, D; Moaca, A; Moatar, M; Camen, D. Therapeutically Potential of Medicago sativa Extracts Chemical and in vitro assessments. *REVISTA DE CHIMIE*, 2018, 69(1):121-124 **IF = 1.605**
126. 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*, 2018, 131(1):155-165, DOI: 10.1007/s10973-016-6064-8 **IF = 2.471**
127. 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*, 2018, 131(1):167-173, DOI: 10.1007/s10973-016-5967-8 **IF = 2.471**
128. 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*, 2018, 131(1):191-199, DOI: 10.1007/s10973-017-6269-5 **IF = 2.471**
129. 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*, 2018, Article Number: 2678924, DOI: 10.1155/2018/2678924 **IF = 1.788**
130. **Dehelean, CA**; Soica, C; Pinzaru, I; Coricovac, D; Danciu, C; Pavel, I; Borcan, F; Spandidos, DA; Tsatsakis, AM; Baderca, F. Sex differences and pathology status correlated to the toxicity of some common carcinogens in experimental skin carcinoma. *Food and Chemical Toxicology*, 2016, 95:149-158, DOI: 10.1016/j.fct.2016.07.007 **IF = 3.778**
131. **Dehelean CA**; Feflea S; Gheorghesu D; Ganta S; Cimpean AM; Muntean D; Amiji MM. Anti-angiogenic and anti-cancer evaluation of betulin nanoemulsion in chicken chorioallantoic membrane and skin carcinoma in Balb/c mice. *J Biomed Nanotechnol*. 2013, 9(4):577-589, ISSN 1550-7033, **IF=7.578**
132. **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**

III.2 ISI PROCEEDINGS – WEB OF SCIENCE

1. Circioban, D; Ledeti, A; Vlase, G; Coricovac, D; Moaca, A; Farcas, C; Vlase, T; Ledeti, I; **Dehelean, C**. Guest-host interactions and complex formation for artemisinin with cyclodextrins: instrumental analysis and evaluation of biological activity. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, 2018, 134(2):1375-1384, Proceedings Paper **IF = 2.471**
2. Fulfas, 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*, 2016, 125(2):759-768, DOI: 10.1007/s10973-015-5052-8 **IF = 1.953**
3. Falamas, A; Pinzaru, SC; Chis, V; **Dehelean, C**. Spectroscopic investigations of newly formed betulin-cyclodextrin guest-host type complexes as potential anti skin cancer candidates. *JOURNAL OF MOLECULAR STRUCTURE*, 2011, 993(1-3):297-301, Special Issue: SI, DOI: 10.1016/j.molstruc.2010.11.044 **IF = 1.634**
4. Pinzaru, SC; **Dehelean, CA**; Falamas, A; Leopold, N; Lehene, C. Cancer tissue screening using Surface Enhanced Raman Scattering. *LASER APPLICATIONS IN LIFE SCIENCES*, 2010, Edited by: Kinnunen, M; Myllyla, R, Book Series: Proceedings of SPIE, Volume: 7376, Article Number: UNSP 73760T, DOI: 10.1117/12.871378 **IF = 0.694**
5. Peev, C; Vlase, L; **Dehelean, C**; Soica, C; Feflea, S; Alexa, E. HPLC comparative analysis of polyphenolic content of propolis and black poplar foliar bud extracts. *ACTUAL TASKS ON AGRICULTURAL ENGINEERING, PROCEEDINGS*, 2009, Edited by: Kosutic, S, Book Series: Actual Tasks on Agricultural Engineering-Zagreb, Volume: 37:Pages: 395-+ **IF = -**
6. **Dehelean, CA**; Pinzaru, SC; Peev, CI; Soica, C; Antal, DS. Characterization of birch tree leaves, buds and bark dry extracts with antitumor activity. *JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS*, 2007, 9(3):783-787, Special Issue: SI, Proceedings Paper **IF = 0.827**

III.3 MAIN PATENTS AND PATENT PROPOSALS

1. 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
2. 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
3. Pop G, Alexa E, Imbre I, Palicica R, **Dehelean C**, Danciu C, Andrica F. *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, published in the Official Industrial Property Bulletin, Section Brevete de Inventie, No.6, 2016
4. Borcan LC, Popescu FG, Borcan F, Păuncu EA, Tomescu MC, **Dehelean CA**. *Produs absorbant pentru hidrogen sulfurat și procedeu de obținere a acestuia / Absorbent product for hydrogen sulphide and process for obtaining it*. CBI A/00040 from 25.01.2019

III.4 BOOK CHAPTERS (INTERNATIONAL ED.)

1. Cîntă Pinzaru S, Fălămaș A, **Dehelean CA**. 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, Elsevier 2019
2. Soica C, Pinzaru I, Trandafirescu C, Andrica F, Danciu C, Mioc M, Coricovac D, Sitaru C, **Dehelean C**. 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
3. Moacă EA, Coricovac ED, Soica CM, Pinzaru IA, Păcurariu CS, **Dehelean CA**. Chapter 12 - Preclinical aspects on magnetic iron oxides nanoparticles and their interventions as anticancer agents: enucleation, apoptosis and other mechanism, DOI: 10.5772/intechopen.74176, in: *Iron ores and iron oxide materials*, Edited by: Dr. Volodymyr Shatokha, ISBN 978-1-78923-320-9, InTech 2018
4. Șoica C, Antal D, Andrica F, Băbuța R, Moacă A, Ardelean F, Ghiulai R, Avram S, Danciu C, Coricovac D, **Dehelean C**. Lupan-Skeleton Pentacyclic Triterpenes with Activity against Skin Cancer: Preclinical Trials Evolution, DOI: 10.5772/intechopen.68908, in: *Unique Aspects of Anti-cancer Drug Development*, edited by: Jolanta Natalia Latosinska and Magdalena Latosinska, ISBN 978-953-51-3348-3, Print ISBN 978-953-51-3347-6, InTech 2017
5. Avram S, Ghiulai R, Pavel IZ, Mioc M, Babuta R, Voicu M, Coricovac D, Danciu C, **Dehelean C**, Soica C. Phytocompounds targeting cancer angiogenesis using the chorioallantoic membrane assay, in: *Phytochemistry - Natural Products and Cancer*, ISBN 978-953-51-3314-8, Print ISBN 978-953-51-3313-1, Intech 2017
6. Danciu C, Suci O, Antal DS, Ardelean F, Chiș AR, Șoica C, Andrica F, **Dehelean C**, Vlaicu Brighitha V. New insights regarding the potential health benefits of isoflavones, pages: 257-286, in: *Flavonoids*, Edited by: José Justino, ISBN 978-953-51-5338-2, Intech 2017
7. Danciu C, Soica C, Antal D, Popescu A, Avram S, Ghiulai R, Pavel IZ, Minda D, **Dehelean C**. An update of natural compounds and their modern formulations for the management of malignant melanoma, pages: 211-253, in: *Phytochemistry - Natural Products and Cancer*, Edited by: Farid A. Badria, ISBN 978-953-51-3314-8, Print ISBN 978-953-51-3313-1, Intech 2017
8. Coricovac DE, **Dehelean CA**. Chapter 1 - Pathological Aspects with Global Impact Induced by Toxicants at Cellular Level, pages 3-21, DOI: 10.5772/59945, in: *Toxicology Studies – Cells, Drugs and Environment*, Edited by: Ana Cristina Andreazza and Gustavo Scola, ISBN 978-953-51-2140-4, InTech 2015
9. Șoica C, Trandafirescu C, Borcan F, Danciu C, Simu G, **Dehelean C**. Nanoformulations with cyclodextrins as carriers for skin targeting of active drugs, in: *Biotechnology-Novel Drug Delivery*, Volume 8, pages: 29-56, Series ISBN: 1-62699-015-8, Vol. ISBN No.: 1-62699-023-9, Studium press LLC, Houston, USA 2014
10. Danciu C, **Dehelean C**, Soica C. Chapter 2 - Natural Compound Genistein: From Consecrated to New Utilizations and Formulations, in: *Biotechnology - Drug Discovery*, Volume 7, pages: 43-61, Series ISBN: 1-62699-022-0, Vol. ISBN: 1-62699-015-8, Studium Press, LLC, Houston, USA 2014