



## Codruța Marinela Șoica

**Data nașterii:** 12/07/1974 | **Cetățenie:** română | **Număr de telefon:**

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**Adresă:** Piața Eftimie Murgu, 2, 300041, Timișoara, România (Muncă)

### ● EXPERIENȚA PROFESIONALĂ

2020 – 03/2024 Timișoara, România

**DECAN FACULTATEA DE FARMACIE** UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Activitate managerială și administrativă

10/2022 – ÎN CURS Timișoara, România

**PROFESOR, COORDONATOR AL DISCIPLINEI DE FARMACOLOGIE - FARMACOTERAPIE** UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Activitate didactică și de cercetare științifică

2016 – ÎN CURS Timișoara, România

**PROFESOR ABILITAT (OMENCS 4032 / 07.06.2016)** UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Coordonare teze de doctorat

10/2014 – 09/2022 Timișoara, România

**PROFESOR, COORDONATOR AL DISCIPLINEI DE CHIMIE FARMACEUTICĂ** UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Activitate didactică și de cercetare științifică

01/10/2009 – 09/2014 Timișoara, România

**CONFERENȚIAR** UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Activitate didactică și de cercetare științifică

01/03/2004 – 01/10/2009 Timișoara, România

**ȘEF DE LUCRĂRI** UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Activitate didactică și de cercetare științifică

01/10/1999 – 01/03/2004 Timișoara, România

**ASISTENT UNIVERSITAR** UMF "VICTOR BABEȘ" TIMIȘOARA, FACULTATEA DE FARMACIE

Activitate didactică și de cercetare științifică

02/12/1997 – 01/10/1999 Timișoara, România

**FARMACIST** S.C.FARMADO S.R.L.

Prepararea și eliberarea produselor farmaceutice

**Întreprindere sau sector de activitate** Activități privind sănătatea umană și asistența socială

## EDUCAȚIE ȘI FORMARE PROFESIONALĂ

2011 România

**MANAGEMENT DE PROIECT SI EXPERT IN FONDURI EUROPENE** CNFPA Ministerul Muncii si Ministerul Educatiei, cod COR 241948 si cod COR 241919

2008 România

**FARMACIST PRIMAR, ORDINUL M.S. 1971/2008** Ministerul Sănătății

2002 – 2007 Târgu Mureș, România

**DOCTOR IN FARMACIE** UMFST "George Emil Palade" Târgu Mureș

**Domeniu de studiu** Educație

1992 – 1997 Timișoara, România

**FARMACIST SPECIALIST** UMF "Victor Babeș" Timișoara

1992 – 1997 Timișoara, România

**FARMACIST** UMF "Victor Babeș" Timișoara, Facultatea de Farmacie

## COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehensiune orală	Citit	Exprimare scrisă	Conversație	
<b>ENGLEZĂ</b>	C1	C1	C1	C1	C1
<b>FRANCEZĂ</b>	B2	B2	B2	B2	B2

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

## COMPETENȚE DIGITALE

Microsoft Word | Microsoft Powerpoint | Google Drive | Microsoft Excel | Zoom | LinkedIn | Skype | BIOVIA Draw | Chemdraw (Independent user)

## PUBLICAȚII

### Articole științifice in jurnale cotate ISI

Peste 180 de articole publicate in jurnale indexate ISI si participarea cu peste 100 de lucrări în cadrul unor conferințe naționale și internaționale.

Indicele Hirsch = 31 (WOS); 32 (Scopus); 36 (Google Academic)

## REȚELE ȘI AFILIERI

2004 – ÎN CURS Timișoara

**Membru al Consiliului Facultății de Farmacie, UMF "Victor Babeș"**

2012 – 2020 Timișoara

**Membru al Senatului Universitar, UMF "Victor Babeș" Timișoara**

2024 – ÎN CURS Timișoara

**Membru al Senatului Universitar, UMF "Victor Babeș" Timișoara**

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**Membru al Societății de Științe Farmaceutice din România**

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2011 – ÎN CURS

**Membru al Colegiul Farmacistilor din Romania**

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Membru al Consiliului Județean al Colegiul Farmacistilor din Romania (2011-prezent)

2012 – 2016

**Membru al Comitetului de Calitate al UMF "Victor Babeș" Timișoara**

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**Membru al EUROTOX, AMAPSEEC-Association for Medicinal and Aromatic Plants of Southeast European Countries, Romanian Society of Cosmetology Chemists (SRCC) afiliat IFSCC (International Federation of Scientists of Cosmetic Chemists),**

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2011 – ÎN CURS

**Evaluator ARACIS , domeniul Sănătate**

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2016 – ÎN CURS

**Evaluator UEFISCDI, domeniul Sănătate**

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**Reviewer invitat, pentru evaluarea articolelor publicate in jurnale ISI**

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Int J Pharm, Nat Prod Res, Pl alimente hum nutr, J Ther Anal Cal, Eur Pol J, de droguri Dev Ind Pharm, J de Surf Det, Lett de droguri Des & Discov, Mini Rev Org Chem, Chem Eng Res Des, Bull Chem Soc Japonia, Pharm Dev Technol, Biologie farmaceutică, Int J Nanomed, de droguri Des Dev Ther, Front Pharmacol, J Mol Struct, Nat Prod Comm, Molecule, Life Science, Int J Mol Sci, Ind Culturi Prod, Eur J Pharmacol, Bioorg Chem, Biomed Pharmacother, Adv Pharmacol Sci, Antioxidanti, Fitomedicina, De droguri Res, Curr Med Chem, J Mol lichide, Int J nanomed, Plos One, etc (<https://publons.com/researcher/1419338/codruta-soica/peer-review/>)

## ● **PERMIS DE CONDUCERE**

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**Permis de conducere: B**

## ● **PROIECTE**

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2020 – 2023

**1EXP/1233/30.01.2020, Lupeol ca compus natural bioactiv în tratamentul local al rănilor și inflamației de la patologii ușoare până la severe: evaluări experimentale și pre-propunere de piață**

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Director de proiect

2019 – 2022

**PN-III-P1-1.1-PD-2019-1078, PD 154/24/08/2020, Sinteza și evaluarea bioconjugatelor noi de nanoparticule triazol-triterpene-aur, utilizate ca agenți activi în melanomul malign**

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Mentor

2019 – 2021

**PN-III-P2-2.1-PED-2019-3067, Nanobiostructuri inovative cu nanoparticule ferimagnetice conjugate cu ciclodextrine pentru a crește eficacitatea și a reduce toxicitatea în terapia cancerului prin hipertermie SP-magnetică**

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Responsabil pentru parteneri

2014 – 2016

**Bilateral RO-FR 791/30.06.2014 Sinteza microcristalelor triterpenelor pentaciclice și studierea modificărilor acestora**

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Membru

2014 – 2016

**Contract bilateral RO-FR 789/30.06.2014, Nanostructuri cu auron, calcone si extracte vegetale standardizate: dezvoltarea unui nou prototip de agent antiinflamator si chemopreventiv**

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Membru

2014 – 2017

**PN-II-PT-PCCA, contract 110/2014, Recuperarea avansată a produselor utile din deșeurile de catalizatori utilizați (REMACAT**

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Membru

2016 – 2018

**PN-III-P2-2.1-BG-2016-0455, Contract 122/2016, Formulări avansate bazate pe eugenol nanocapsulat cu adresabilitate în medicina dentară**

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Membru

2016 – 2018

**PN-III-P2-2.1-BG-2016-0354, Contract 115/2016, Formulări cu betulină și nanoparticule de aur împotriva îmbătrânirii pielii**

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Director de proiect

2016 – 2017

**PIII-C4-PCFI-2016/2017-03 Evaluarea in vitro și in vivo a mecanismelor de moarte celulară induse de nanoparticulele magnetice în interacțiune cu celulele tumorale, ACRONIM NANOCEL (proiect intern UMF)**

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Responsabil de proiect

2014 – 2015

**PIII-C1-PCFI-2014/2015, Sinteza compușilor antitumorali potențiali prin derivații și caracterizarea lor prin tehnici de despărțite în silabe. Evaluarea activității antiangiogenice, antitumorale și antiinflamatoare, acronim SYNTANTITUM proiect intern**

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Responsabil de proiect

2013 – 2014

**Proiect bilateral Ro-Hu Evaluarea impactului radiațiilor UV și a terapiei antitumorale asupra fibroblastelor dermice și în cancerul de piele experimental, contract 665/2013**

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Membru

2013 – 2014

**Proiect bilateral Ro-Hu Eevaluarea unor formule farmaceutice moderne preparate prin complexarea triterpenelor pentaciclice cu derivați polizaharidici funcționalizați, contract 674/2013**

---

Director de proiect

2009 – 2010

**Proiect bilateral RO-China, 198/2009 - Activitatea antioxidantă a medica materia chinezească si compozitia sa chimica**

---

Membru

2007 – 2009

**PN II PHYTOMEDAS Proiect INOVARE, 69/2007**

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Membru

2007 – 2009

**AT 173/ 2007 Elaborarea bioproduselor cu compusi triterpenici si ciclodextrine si analiza eficacitatii/toxicitatii acestora in patologiile cutanate**

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Membru

2007 – 2010

**Cod PN II 1257/2007 "Studiu de implementare a bioproduselor antitumorale vegetale de tip triterpenic prin formarea nanostructurii, in terapiile cutanate, prin analiza eficacitatii/toxicitatii"**

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Membru

2006 – 2008

**ET 35/2006 Biotehnologii pentru prepararea bioproduselor folosind valorificarea indicatorilor vegetali ai metalelor din sol**

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Membru

## ● **DISTINCȚII ONORIFICE ȘI PREMII**

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2013

**Premiul III pentru activitate didactică – UMF "Victor Babeș" Timișoara**

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**Salariu de merit pentru activitate științifică (2014-2020) – UMF "Victor Babeș" Timișoara**

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**Premii PRECISI pentru articole științifice – UEFISCDI**

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70 de premii acordate prin programul de finantare PRECISI, pentru articole publicate in jurnale indexate Q1/Q2 conform JCR

## ● **COMPETENȚE DE COMUNICARE ȘI INTERPERSONALE**

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**Competențe și abilități sociale dezvoltate**

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Capacitate de asimilare de noi informații și abilități de comunicare dezvoltate, spirit de echipă și organizare foarte bun, sociabilă, dinamică, ambițioasă, adaptabilă, eficientă

## LISTĂ PUBLICAȚII – CODRUȚA ȘOICA

### A. Cărți și/sau monografii

1. **Codruta Soica**, Florin Borcan, Cristina Trandafirescu, Chimia și acțiunea antisepticelor și dezinfectantelor, Victor Babeș, Timișoara, 2013, 176 pagini, ISBN 978-606-8456-20-.
2. **Codruța Soica**, Cristina Trandafirescu, Chimie Farmaceutică. Medicația aparatelor și sistemelor. Volumul I., Victor Babeș, Timișoara, 2013, 210 pagini, ISBN 978-606-8456-24-9, Vol. I: 978-606-8456-21-8.
3. Cristina A. Dehelean, Corina Danciu, Georgeta M. Simu, **Codruța M. Șoica**. Elemente de metodologia cercetării științifice, Ed. Victor Babeș Timișoara, 2013 ISBN 978-606-8456-13-3.

### Alte cărți de specialitate relevante:

4. **Codruța Șoica** – Chimie Farmaceutică – Terapia cu antibiotice antibacteriene. Note de curs, Ed. Mirton, Timișoara, ISBN 978-973-52-0244-6, 251 pg., 2007
5. A. Grozav, Cristina Trandafirescu, **Codruța Șoica**, V. Gogonea, D. Ciubotariu – Noțiuni de Chimie Farmaceutică, Ed. Mirton, Timișoara, recunoscută CNCIS, ISBN 973-585-574-7, 470 pg., 2001
6. **Codruța Șoica**, Cristina Trandafirescu, Cristina Pătruțescu – Chimie Farmaceutică. Lucrări practice de laborator, Ed. Mirton, Timișoara, ISBN 978-973-52-0461-7, recunoscută CNCIS, ISBN 978-973-52-0461-7, 229 pg., 2008
7. Cristina Trandafirescu, **Codruța Șoica** – Chimie Farmaceutică. Lucrări practice, Ed. Mirton, Timișoara, recunoscută CNCIS, ISBN 978-973-52-0149-4, 108 pg., 2007.

### B. Capitole de carte

1. **Codruța Șoica\***, Cristina Trandafirescu, Florin Borcan, Corina Danciu, Georgeta Simu and Cristina Dehelean, Chapter 2, Nanoformulations with Cyclodextrins as Carriers for Skin 2 Targeting of Active Drugs, Editor: Bhupinder Singh Bhoop, Executive editor: J.N. Govil, Biotechnology, Drug Delivery & Vol. 8, Series ISBN: 1-62699-015-8, Vol. ISBN: 1-62699-023-9, pp. 29-56, 2014.
2. Corina Danciu, Cristina Dehelean and **Codruta Soica**, Chapter 2, Natural Compound Genistein: From Consecrated to New Utilizations and Formulations, Editor: K.K. Bhutani,

Executive editor: J.N. Govil, Biotechnology, Drug Discovery & Vol. 7, Series ISBN: 1-62699-015-8, Vol. ISBN: 1-62699-022-0, pp. 43-61, 2014.

3. **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, in: Unique Aspects of Anti-cancer Drug Development, InTechOpen, ISBN 978-953-51-5240-8, 2017, 87-114.

4. 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 in: Natural Products and Cancer Drug Discovery, InTechOpen, ISBN 978-953- 51-5277-4, 2017, pp.211-253.

5. Corina Danciu, Diana Simona Antal, Florina Ardelean, Aimée Rodica Chiș, **Codruța Șoica**, Florina Andrica, Cristina Dehelean, New Insights Regarding The Potential Health Benefits Of Isoflavones in: Flavonoids - from biosynthesis to human health, ISBN 978-953- 51-5338-2, 2017, pp. 257-286.

6. **Soica C**, Pinzaru I, Trandafirescu C, Andrica F, Danciu C, Mioc M, Coricovac D, Sitaru C, Dehelean C. Silver-, gold-, and iron-based metallic nanoparticles: Biomedical applications as theranostic agents for cancer. In: "Design of Nanostructures for Theranostics Applications", book edited by Alexandru Mihai Grumezescu, ISBN: 978-0-12-813669-0. Elsevier 2018, pp. 161-242.

## C. LUCRĂRI ȘTIINȚIFICE ÎN REVISTE ISI CU FACTOR DE IMPACT

### C1. Articole publicate în extenso în reviste de circulație internațională recunoscute

#### Autor principal

1. Milan, A.; Mioc, M.; Mioc, A., Marangoci, N., Racoviceanu, R., Mardale, G., Balan-Porcarasu, M., Rotunjanu, S., Soica, I., **Soica, C**. Exploring the Antimelanoma Potential of Betulinic Acid Esters and Their Liposomal Nanoformulations. PROCESSES. 2024;12(2). IF=3.5
2. Prodea, A.; Milan, A.; Mioc, M.; Mioc, A.; Oprean, C.; Racoviceanu, R.; Negrea-Ghiulai, R.; Mardale, G.; Avram, Ș.; Balan-Porcărașu, M.; et al **Soica, C**. Novel Betulin-1,2,4-Triazole Derivatives Promote In Vitro Dose-Dependent Anticancer Cytotoxicity. Processes 2024, 12, 24. <https://doi.org/10.3390/pr12010024>. IF=3.5

3. Rotunjanu S, Racoviceanu R, Mioc A, Milan A, Negrea-Ghiulai R, Mioc M, Marangoci NL, **Soica C**. Newly Synthesized  $\text{CoFe}_{2-x}\text{Dy}_x\text{O}_4$  ( $x=0; 0.1; 0.2; 0.4$ ) Nanoparticles Reveal Promising Anticancer Activity against Melanoma (A375) and Breast Cancer (MCF-7) Cells. *Int J Mol Sci*. 2023;24(21). IF=5.6
4. Borcan F, Vlase T, Vlase G, Popescu R, Soica CM. The Influence of an Isocyanate Structure on a Polyurethane Delivery System for 2'-Deoxycytidine-5'-monophosphate. *J Funct Biomater*. 2023;14(10). IF=4.8
5. Caizer C, Caizer-Gaitan IS, Watz CG, Dehelean CA, Bratu T, **Soica C**. High Efficacy on the Death of Breast Cancer Cells Using SPMHT with Magnetite Cyclodextrins Nanobioconjugates. *Pharmaceutics*. 2023;15(4). IF= 5.4
6. Mioc M, Mioc A, Racoviceanu R, Ghiulai R, Prodea A, Milan A, Barbu Tudoran L, Oprean C, Ivan V, **Soica C**. The Antimelanoma Biological Assessment of Triterpenic Acid Functionalized Gold Nanoparticles. *Molecules*. 2023 Jan 3;28(1):421. IF= 4.6
7. Nistor G, Mioc A, Mioc M, Balan-Porcarasu M, Ghiulai R, Racoviceanu R, Avram Ștefana, Prodea A, Semenescu A, Milan A, Dehelean C, **Soica C**. Novel Semisynthetic Betulinic Acid-Triazole Hybrids with In Vitro Antiproliferative Potential. Vol. 11, *Processes*. 2023. IF= 3.5
8. Ghiulai R, Mioc M, Racoviceanu R, Prodea A, Milan A, Coricovac D, Dehelean C, Avram Ștefana, Zamfir AD, Munteanu CVA, Ivan V, **Soica C**. Structural Investigation of Betulinic Acid Plasma Metabolites by Tandem Mass Spectrometry. Vol. 27, *Molecules*. 2022. IF= 4.6
9. Ghiulai R, Mioc A, Racoviceanu R, Mioc M, Milan A, Prodea A, Semenescu A, Dehelean C, Barbu Tudoran L, Avram Ștefana, Trandafirescu C, **Soica C**. The Anti-Melanoma Effect of Betulinic Acid Functionalized Gold Nanoparticles: A Mechanistic In Vitro Approach. Vol. 15, *Pharmaceutics*. 2022. IF= 5.4
10. Nistor G, Mioc M, Mioc A, Balan-Porcarasu M, Racoviceanu R, Prodea A, Milan A, Ghiulai R, Semenescu A, Dehelean C, **Soica C**. The C30-Modulation of Betulinic Acid Using 1,2,4-Triazole: A Promising Strategy for Increasing Its Antimelanoma Cytotoxic Potential. *Molecules*. 2022 Nov 12;27(22):7807. IF=4.6
11. Nistor, G; Trandafirescu, C; Prodea, A; Milan, A; Cristea, A; Ghiulai, R; Racoviceanu, R; Mioc, A; Mioc, M; Ivan, V; **Soica, C**. (2022). Semisynthetic Derivatives of Pentacyclic Triterpenes Bearing Heterocyclic Moieties with Therapeutic Potential. *Molecules*, 27(19): 6552, DOI:10.3390/molecules27196552, IF= 4.6
12. Mioc, M; Mioc, A; Prodea, A; Milan, A; Balan-Porcarasu, M; Racoviceanu, R; Ghiulai, R; Iovanescu, G; Macasoi, I; Draghici, G; Dehelean, C; **Soica, C** (2022). Novel Triterpenic Acid-Benzotriazole Esters Act as Pro-Apoptotic Antimelanoma Agents. *International Journal of Molecular Sciences*, 23 (17): 9992, DOI: 10.3390/ijms23179992, IF = 5.6



13. Caizer, C; Caizer, IS ; Racoviceanu, R; Watz, CG; Mioc, M; Dehelean, CA; Bratu, T; **Soica, C.** (2022). Fe<sub>3</sub>O<sub>4</sub>-PAA-(HP-gamma-CDs) Biocompatible Ferrimagnetic Nanoparticles for Increasing the Efficacy in Superparamagnetic Hyperthermia. *Nanomaterials*, 12(15): 2577, DOI: 10.3390/nano12152577, IF= 5.3.
14. Mioc, M; Prodea, A; Racoviceanu, R; Mioc, A; Ghiulai, R; Milan, A; Voicu, M; Mardale, G; **Soica, C.** (2022). Recent Advances Regarding the Molecular Mechanisms of Triterpenic Acids: A Review (Part II). *International Journal of Molecular Sciences*, 23 (16): 8896, DOI: 10.3390/ijms23168896, IF =6.208.
15. Mioc, M; Milan, A; Malita, D; Mioc, A; Prodea, A; Racoviceanu, R; Ghiulai, R; Cristea, A; Caruntu, F; **Soica, C.** (2022) Recent Advances Regarding the Molecular Mechanisms of Triterpenic Acids: A Review (Part I). *International Journal of Molecular Sciences*, 23 (14): 7740, DOI: 10.3390/ijms23147740, IF= 5.6.
16. Milan A., Mioc A., Prodea A., Mioc M., Buzatu R., Ghiulai R., Racoviceanu R., Caruntu F., **Soica C.** (2022). The Optimized Delivery of Triterpenes by Liposomal Nanoformulations: Overcoming the Challenges. *International Journal of Molecular Sciences*, 23: 1140, DOI:10.3390/ijms23031140, IF= 5.6
17. Prodea A., Mioc A., Banciu C., Trandafirescu C., Milan A., Racoviceanu R., Ghiulai R., Mioc M., **Soica C** (2022). The Role of Cyclodextrins in the Design and Development of Triterpene-Based Therapeutic Agents. *International Journal of Molecular Sciences*, 23: 736, DOI:10.3390/ijms23031140, IF= 5.6
18. Smirnova, I., Draghici, G., Kazakova, O., Vlaia, L., Avram, S., Mioc, A., Mioc, M., Macasoi, I., Dehelean, C., Voicu, A., & **Soica, C.** (2022). Hollongdione arylidene derivatives induce antiproliferative activity against melanoma and breast cancer through pro-apoptotic and antiangiogenic mechanisms. *Bioorganic Chemistry*, 119, 105535, ISSN 1090-2120, IF= 5.1.
19. Minda D., Mioc A., Banciu C., **Soica C.**, Racoviceanu R., Mioc M., Macasoi I., Avram Ș., Voicu A., Trandafirescu C. (2021) Cyclodextrin Dispersion of Mebendazole and Flubendazole Improves In Vitro Antiproliferative Activity. *Processes*, 9: 2185, DOI: 10.3390/pr9122185, IF= 2.847
20. Kazakova, O., Racoviceanu, R., Petrova, A., Mioc, M., Militaru, A., Udrescu, L., Udrescu, M., Voicu, A., Cummings, J., Robertson, G., Ordway, D. J., Slayden, R. A., & **Soica, C.** (2021). New Investigations with Lupane Type A-Ring Azepane Triterpenoids for Antimycobacterial

Drug Candidate Design. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 22(22), ISSN 1422-0067, IF=5.924.

21. Kazakova, O., Rubanik, L., Lobov, A., Poleshchuk, N., Baikova, I., Kapustina, Y., Petrova, A., Korzun, T., Lopatina, T., Fedorova, A., Rybalova, T., Polovianenko, D., Mioc, M., & **Şoica, C. (2021)**. Synthesis of erythrodiol C-ring derivatives and their activity against *Chlamydia trachomatis*. STEROIDS, 175, ISSN 0039-128x, IF=2.668.
22. Milutinovici, R.-A., Chioran, D., Buzatu, R., Macasoi, I., Razvan, S., Chioibas, R., Corlan, I. V., Tanase, A., Horia, C., Popovici, R. A., Dinu, S., Dehelean, C., Scurtu, A., Pinzaru, I., & **Şoica, C. (2021)**. Vegetal Compounds as Sources of Prophylactic and Therapeutic Agents in Dentistry. PLANTS-BASEL, 10(10), ISSN 2223-7747, IF=3.935.
23. Kazakova, O., Mioc, A., Smirnova, I., Baikova, I., Voicu, A., Vlaia, L., Macasoi, I., Mioc, M., Draghici, G., Avram, S., Dehelean, C., & **Şoica, C. (2021)**. Novel Synthesized N-Ethyl-Piperazinyl-Amides of C2-Substituted Oleanonic and Ursonic Acids Exhibit Cytotoxic Effects through Apoptotic Cell Death Regulation. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 22(20), ISSN 1422-0067, IF=5.924
24. Antal, D. S., Ardelean, F., Jijie, R., Pinzaru, I., **Şoica, C.**, & Dehelean, C. **(2021)**. Integrating Ethnobotany, Phytochemistry, and Pharmacology of *Cotinus coggygia* and *Toxicodendron vernicifluum*: What Predictions can be Made for the European Smoketree? FRONTIERS IN PHARMACOLOGY, 12, ISSN 1663-9812, IF= 5.811
25. Dehelean, C. A., Marcovici, I., **Şoica, C.**, Mioc, M., Coricovac, D., Iurciuc, S., Cretu, O. M., & Pinzaru, I. **(2021)**. Plant-Derived Anticancer Compounds as New Perspectives in Drug Discovery and Alternative Therapy. MOLECULES, 26(4), ISSN 1420-3049, IF= 4.421.
26. **Şoica C**, Voicu M, Ghiulai R, Dehelean C, Racoviceanu R, Trandafirescu C; Roşca OJ, Nistor G, Mioc M, Mioc A. Natural Compounds in Sex Hormone-Dependent Cancers: The Role of Triterpenes as Therapeutic Agents. *Front. Endocrinol.* **2021**, 11, ISSN 1664-2392, IF= 5.555.
27. Borcan, F., Len, A., Dehelean, C. A., Dudas, Z., Ghiulai, R., Iftode, A., Racoviceanu, R., & **Şoica, C. M. (2021)**. Design and Assessment of a Polyurethane Carrier Used for the Transmembrane Transfer of Acyclovir. NANOMATERIALS, 11(1), eISSN 2079-4991, IF= 5.076.
28. Dumbrava, D., Popescu, L. A., **Şoica, C. M.**, 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. **(2020)**. Nutritional, Antioxidant, Antimicrobial, and Toxicological Profile of

Two Innovative Types of Vegan, Sugar-Free Chocolate. *FOODS*, 9(12), ISSN 2304-8158, IF= 4.350.

29. Ghiulai, R., Rosca, O. J., Antal, D. S., Mioc, M., Mioc, A., Racoviceanu, R., Macasoi, I., Olariu, T., Dehelean, C., Cretu, O. M., Voicu, M., & **Şoica, C. (2020)**. Tetracyclic and Pentacyclic Triterpenes with High Therapeutic Efficiency in Wound Healing Approaches. *MOLECULES*, 25(23), ISSN 1420-3049, IF= 4.421
30. Kazakova, O., Lopatina, T., Giniyatullina, G., Mioc, M., & **Şoica, C. (2020)**. Antimycobacterial activity of azepanobetulin and its derivative: In vitro, in vivo, ADMET and docking studies. *BIOORGANIC CHEMISTRY*, 104, ISSN 0045-2068, IF= 5.275.
31. Racoviceanu, R., Trandafirescu, C., Voicu, M., Ghiulai, R., Borcan, F., Dehelean, C., Watz, C., Aigner, Z., Ambrus, R., Coricovac, D. E., Circioban, D., Mioc, A., Szuhaneck, C. A., & **Şoica, C. (2020)**. Solid Polymeric Nanoparticles of Albendazole: Synthesis, Physico-Chemical Characterization and Biological Activity. *MOLECULES*, 25(21), ISSN 1420-3049, IF= 4.421
32. Borcan, F., Mioc, M., Ghiulai, R., Pinzaru, I., Dehelean, C. A., & **Şoica, C. M. (2020)**. A Study on the Behavior of a Polyurethane Drug Carrier in Various pH Media. *Journal of Medicine and Life*, 13(2), 195–199, ISSN 1844-122x, IF=1.470.
33. Chioibas, Raul, Borcan, Florin, Mederle, Ovidiu, Stoian, Dana, **Soica, Codruta. (2019)**. Comparative Characterization of Different Samples Containing Nano-ZnO Particles with Applicability in Topical Therapies. *Materiale Plastice*. 56. 56. 10.37358/MP.19.3.5248.
34. Duca, A; Borcan, F; Muntean, DM; Alexa, EC; **Soica, CM**, Formulation and Characterization of Polyurethane Microstructures with Propolis Extract, *Materiale Plastice*, 56(2), 321-323, 2019
35. Trandafirescu, C, Ledetşi, I, **Şoica, C**, Ledetşi, A, Vlase, G, Borcan, F, Dehelean, C, Coricovac, D, Racoviceanu, R & Aigner, Z 2019, 'Albendazole-cyclodextrins binary systems: Thermal and spectral investigation on drug-excipient interaction', *Journal of Thermal Analysis and Calorimetry*. <https://doi.org/10.1007/s10973-019-08326-1>
36. Mioc A, Mioc M, Ghiulai R, Voicu M, Babuta R, Trandafirescu C, Dehelean C, Coricovac D, **Soica CM**. Gold nanoparticles as targeted delivery systems and theranostic agents in cancer therapy. *Curr Med Chem*. 2019 May 6. doi: 10.2174/0929867326666190506123721. [Epub ahead of print]
37. Mioc, M., Avram, S., Bercean, V., Kurunczi, L., Ghiulai, R. M., Oprean, C., Coricovac, D. E., Dehelean, C., Mioc, A., Balan-Porcarasu, M., Tatu, C., ... **Soica, C. (2018)**. Design, Synthesis

and Biological Activity Evaluation of S-Substituted 1*H*-5-Mercapto-1,2,4-Triazole Derivatives as Antiproliferative Agents in Colorectal Cancer. *Frontiers in chemistry*, 6, 373. doi:10.3389/fchem.2018.00373, FI 4,155

38. 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 Feb 21;7:92. doi: 10.3389/fchem.2019.00092. PubMed PMID: 30847340; PubMed Central PMCID: PMC6393380.

39. Cheveresan, A, Mioc, M; Simu, S, **Soica, Codruta**, Dehelean, C, Szasz, F; Navolan, D; Poenaru, M, Binding Affinity of 17-beta-ethinylestradiol to Normal and Mutant Types of Estrogen Receptors, *Rev Chim*, 2018, 69, 8, 2067-2070, FI 1,412

40. Borcan, F; Soica, CM; Lazureanu, V; Pinzaru, IA; Cheveresan, A; Poenaru, M, Toxicological Assessment of Betulin Entrapped in a Polyurethane Carrier, *Materiale Plastice*, 2018, 55, 2, 149-151, FI 1,248

41. Mioc, M., Pavel, I. Z., Ghiulai, R., Coricovac, D. E., Farcaș, C., Mihali, C. V., Oprean, C., Serafim, V., Popovici, R. A., Dehelean, C. A., Shtilman, M. I., Tsatsakis, A. M., ... **Soica, C**. (2018). The Cytotoxic Effects of Betulin-Conjugated Gold Nanoparticles as Stable Formulations in Normal and Melanoma Cells. *Frontiers in pharmacology*, 9, 429. doi:10.3389/fphar.2018.00429, FI 3,831

42. 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, FI 1,507

43. 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. *Curr Drug Targets*. 2018;19(7):841-853. doi: 10.2174/1389450118666171109150731., FI 3,112

44. Pinzaru I, Coricovac D, Dehelean C, Moacă 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 Chem Toxicol*. 2018 Jan;111:546-556. doi: 10.1016/j.fct.2017.11.051. FI 3,977

45. Mioc, M; **Soica C**; Bercean, V; Avram, S; Balan-Porcarasu, M; Coricovac, D; Ghiulai, R; Muntean, D; Andrica, F; Dehelean, C; Spandidos, DA; Tsatsakis, AM; Kurunczi, L, Design, synthesis and pharmaco-toxicological assessment of 5-mercapto-1,2,4-triazole derivatives with antibacterial and antiproliferative activity, *Int J Oncol*, 50(4), 2017, 1175-1183, FI 3,333
46. **Soica C**, Coricovac D, Dehelean C, Pinzaru I, Mioc M, danciu C, Fulas A, Puiu M, Sitaru C, Nanocarriers as Tools in Delivering Active Compounds for Immune System Related Pathologies, *Rec Pat Nanotechnol*, 10(2): 128-145, 2016, IF 1,576
47. Oprean C, Mioc M, Csanyi E, Ambrus R, Bojin F, Tatu C, Cristea M, Ivan A, Danciu C, Dehelean C, Paunescu V, **Soica C**, Improvement of ursolic and oleanolic acids' antitumor activity by complexation with hydrophilic cyclodextrins, *Biomedicine & Pharmacotherapy*, 83, 1095-1104, DOI: 10.1016/j.biopha.2016.08.030, 2016, IF 2,326
48. Trandafirescu C., Borcan F., Dehelean C., Szabadai Z., Nicolov M., **Soica C**, Study of the Interaction of Albendazole with Benzoic Acid. I, *Rev Chim*, 67(11), 2370-2374, 2016, IF 1,232
49. Antal DS, Pinzaru I, Borcan F, Marti TD, Ledeti I, Coricovac D, Schwaiger S, Stuppner H, Dehelean CA, Ollivier E, **Soica C**, Inclusion Complexes of the Aurone Sulfuretin and the Chalcone Butein from *Cotinus coggygria* Wood in Two Cyclodextrin Types First data on physico-chemical properties. *Rev Chim*, 67 (6), 1104-1109, 2016, IF 1,232
50. 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 Chem Toxicol* 95, 149-158, DOI: 10.1016/j.fct.2016.07.007, 2016, IF 3,584
51. **Codruța Șoica**, Adriana Fulaș, Gabriela Vlase, Cristina Dehelean, Titus Vlase, Ionuț Ledeti, Synthesis and thermal behavior of new ambazone complexes with some transitional cations, *J Ther Anal Cal*, 2014, 118(2): 1305-1311, FI 2,042
52. Circioban, D; Dehelean, C; Suta, LM; Murariu, M; Vlase, G; Nita, L; **Soica, C**; Fulas, A, Synthesis and Physicochemical Characterization of Theophylline-succinic Acid Binary Adduct, *Rev Chim* 2015; 66(12): 1982-1985 IF 0,956
53. **Soica, C**, Trandafirescu, C, Danciu, C, Muntean, D, Dehelean, C, Simu, G, New Improved Drug Delivery Technologies for Pentacyclic Triterpenes: A Review, *Prot Pept Lett*, 21(11), 1137-1145, 2014
54. **Soica, C**; Danciu, C; Savoiu-Balint, G; Borcan, F; Ambrus, R; Zupko, I; Bojin, F; Coricovac, D; Ciurlea, S; Avram, S; Dehelean, CA; Olariu, T; Matusz, P, Betulinic Acid in Complex with a

Gamma-Cyclodextrin Derivative Decreases Proliferation and in Vivo Tumor Development of Non-Metastatic and Metastatic B164A5 Cells, *Int J Mol Sci*, 2014, 15: 5, 8235-8255

55. **Soica, C**; Oprean, C; Borcan, F; Danciu, C; Trandafirescu, C; Coricovac, D; Crainiceanu, Z; Dehelean, CA; Munteanu, M, The Synergistic Biologic Activity of Oleanolic and Ursolic Acids in Complex with Hydroxypropyl-gamma-Cyclodextrin, *Molecules*, 2014, 19: 4, 4924-4940

56. Gheorgheosu D, Duicu O, Dehelean C, **Soica C**, Muntean D. Betulinic Acid as a Potent and Complex Antitumor Phytochemical: A Minireview. *Anticancer Agents Med Chem.*, 2014; 14(7): 936-45

57. Dehelean CA, Feflea, S, Molnar, J, Zupko, I, **Soica, C**, Betulin as an Antitumor Agent Tested in vitro on A431, HeLa and MCF7, and as an Angiogenic Inhibitor in vivo in the CAM Assay, *Nat Prod Commun.*, 7(8): 981-985, 2012.

58. Dehelean CA, **Soica C**, Ledeti I, Aluas M, Zupko I, Galuscan A, Cinta-Pinzaru S, Munteanu M, Study of the betulin enriched birch bark extracts effects on human carcinoma cells and ear inflammation, *Chemistry Central Journal*, 2012, 6(137), DOI:10.1186/1752-153X-6-137;

59. **Soica C**, Dehelean CA, Danciu C, Wang HM, Wenz G, Ambrus R, Bojin FM, Betulin Complex in  $\gamma$ -Cyclodextrin Derivatives: Properties and Antineoplastic Activities in In Vitro and In Vivo Tumor Models, *Int. J. Mol. Sci.*, 2012, 13(11), 14992-15011

60. **Soica CM**, Peev CI, Ciurlea S, Ambrus R, Dehelean C, Physico-chemical and toxicological evaluations of betulin and betulinic acid interactions with hydrophilic cyclodextrins, *Farmacia*, 2010, 58(5): 611-619.

61. Danciu C, **Soica C**, Csanyi E, Ambrus R, S, Peev C, Dehelean C, Changes in the anti-inflammatory activity of soy isoflavonoid genistein versus genistein incorporated in two types of cyclodextrin derivatives, *Chemistry Central Journal*, 2012, 6(58), DOI: 10.1186/1752-153X-6-58

62. **Soica C**, Peev C, Dehelean C, Aluas M, Zupko I, Kasa Peter, Alexa E, Physico-chemical comparison study of betulinic acid, betulin and birch bark extract and in vitro investigation of their cytotoxic effects towards skin epidermoid carcinoma (A431), breast carcinoma (MCF7) and cervix adenocarcinoma (HeLa) cell-lines, *Natural Product Research*, 2012, 26(10): 968-974

63. Borcan F, **Soica CM**, Ganta S, Amiji MM, Dehelean CA, Munteanu MF, Synthesis and preliminary in vivo evaluations of polyurethane microstructures for transdermal drug delivery, *Chemistry Central Journal*, 2012,6(87), DOI: 10.1186/1752-153X-6-87

64. Borcan F, **Soica CM**, Dehelean CA, Ganta S, Amiji MM, Size and Stability Optimization for Polyurethane Nanostructures used as Transdermal Drug Vehicle, *Revista de Chimie*, 2012, 63(11): 1164-1166, FI 0,538
65. **Soica C**, Gyeresi A, Aigner Z, Kata M., Dehelean C, Influența polivinilpirolidonei asupra complexelor de furosemid cu betaciclodextrin metilat aleator, *Revista de Chimie*, 2006, 57(7): 726-730, FI 0,287
66. **Soica C**, Dehelean CA, Ordodi V, Antal D, Vlaia V, Complexation with hydroxipropilgamma cyclodextrin of birch tree extract. Physico-chemical characterisation of their binary products, *Revista de Chimie*, 2008, 59(6): 678-681, FI 0,389
67. **Soica C**, Gyeresi A, Frentiu B, Dehelean CA, Aluas M., Preparation and physico-chemical characterization of chlorthalidone-hydroxypropyl- $\beta$ -cyclodextrin binary systems, *Revista de Chimie*, 2007, 58(7): 606-611, FI 0,261
68. **Soica C**, Gyeresi A, Aigner Z, Kata M, Dehelean C, Obținerea și caracterizarea fizico-chimică a complexilor de incluziune ai unui diuretic sulfonamic cu  $\beta$ -ciclodextrina metilată, *Revista de Chimie*, 2006, 57 (4): 392-397, FI 0,287
69. Dehelean CA, Vlase L, Peev C, Antal D, **Soica C**, Comparative Analysis of Polyphenols Content from Birch Tree Foliar Buds and Leaves by HPLC-UV-MS, *Revista de Chimie*, 2006, 57(8): 862-865, FI 0,287
70. Falamas A, Pinzaru S, Dehelean C, Peev C, **Soica C**, Betulin and its natural resource as potential anticancer drug candidate seen by FT-Raman and FT-IR spectroscopy, *J. Raman Spectroscopy*, 2011, 42 (1):97-107, DOI: 10.1002/jrs.2658
71. Corina Danciu, **Codruta Soica**, Mircea Oltean, Stefana Avram, Florin Borcan, Erzsebet Csanyi, Rita Ambrus, Istvan Zupko, Delia Muntean, Cristina A. Dehelean, Marius Craina, Ramona A. Popovici, Genistein in 1:1 Inclusion Complexes with Ramified Cyclodextrins: Theoretical, Physicochemical and Biological Evaluation, *Int. J. Mol. Sci.* 2014, 15(2), 1962-1982; doi:10.3390/ijms15021962

#### **Co-autor**

72. Budu O, Mioc A, **Soica C**, Caruntu F, Milan A, Oprean C, Lighezan D, Rotunjanu S, Ivan V, Banciu C, Piatek J. *Lactiplantibacillus plantarum* Induces Apoptosis in Melanoma and Breast

Cancer Cells. MICROORGANISMS. 2024;12(1). IF = 4.5

73. Jianu C, Lukinich-Gruia AT, Rădulescu M, Mioc M, Mioc A, Șoica C, Constantin AT, David I, Bujancă G, Radu RG. Essential Oil of *Origanum vulgare* var. *aureum* L. from Western Romania: Chemical Analysis, In Vitro and In Silico Screening of Its Antioxidant Activity. Vol. 13, Applied Sciences. 2023. IF = 2.7

74. Budu, O; Banciu, C; Pinzaru, I; Sarau, C; Lighezan, D; **Șoica, C**; Dehelean, C ; Draghici, G; Dolghi, A; Prodea, A; Mioc, M (2022). A Combination of Two Probiotics, *Lactobacillus sporogenes* and *Clostridium butyricum*, Inhibits Colon Cancer Development: An In Vitro Study. *Microorganisms*, 10 (9):1692, DOI: 10.3390/microorganisms10091692, IF = 4.5

75. Kis, B; Pavel, IZ; Avram, S; Moaca, EA; San Juan, MH; Schwiebs, A; Radeke, HH; Muntean, D; Diaconeasa, Z; Minda, D; Oprean, C; Bojin, F; Dehelean, CA; **Șoica, C**; Danciu, C (2022). Antimicrobial activity, in vitro anticancer effect (MCF-7 breast cancer cell line), antiangiogenic and immunomodulatory potentials of *Populus nigra* L. buds extract. *BMC Complementary Medicine and Therapies*, 22(1): 74, DOI: 10.1186/s12906-022-03526-z, IF = 3.9.

76. Alexa, VT; Galuscan, A; **Șoica, CM**; Cozma, A; Coricovac, D; Borcan,; Popescu, I; Mioc, A; Szuhaneck, C; Dehelean, CA; Jumanca, D. (2022). In Vitro Assessment of the Cytotoxic and Antiproliferative Profile of Natural Preparations Containing Bergamot, Orange and Clove Essential Oils. *Molecules*, 27 (3): 990, DOI: 10.3390/molecules27030990, IF= 4.6.

77. Jianu, C. Golet, I., Stoin, D., Cocan I., Bujanca, G., Misca, C., Mioc, M., Mioc, A., **Șoica C**, Lukinich-Gruia, AT (**2021**) Chemical Profile of *Ruta graveolens*, Evaluation of antioxidant and antibacterial potential of its essential oil, and Molecular Docking Simulations. *Applied Sciences-Basel*, ISSN: 2076-3417, IF= 2.679.

78. Georgescu, M., Draghici, G. A., Oancea, E.-F., Dehelean, C. A., **Șoica, C.**, Vladut, N.-V., & Nica, D. V. (**2021**). Effects of Cadmium Sulfate on the Brown Garden Snail *Cornu aspersum*: Implications for DNA Methylation. *TOXICS*, 9(11), ISSN 2305-6304, IF= 4.146.

79. Radulescu, M., Jianu, C., Lukinich-Gruia, A. T., Mioc, M., Mioc, A., **Șoica, C.**, & Stana, L. G. (**2021**). Chemical Composition, In Vitro and In Silico Antioxidant Potential of *Melissa officinalis* subsp. *officinalis* Essential Oil. *ANTIOXIDANTS*, 10(7), ISSN 2076-3921, IF= 6.313.

80. Moaca, E.-A., Watz, C.-G., Socoliuc, V., Racoviceanu, R., Pacurariu, C., Ianos, R., Cinta-Pinzaru, S., Tudoran, L. B., Nekvapil, F., Iurciuc, S., **Șoica, C.**, & Dehelean, C.-A. (**2021**). 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*, 11(5), 2079-4991, IF= 5.076.

81. Coricovac, D., Dehelean, C. A., Pinzaru, I., Mioc, A., Aburel, O.-M., Macasoi, I., Draghici, G. A., Petean, C., **Şoica, C.**, Boruga, M., Vlaicu, B., & Muntean, M. D. (2021). Assessment of Betulinic Acid Cytotoxicity and Mitochondrial Metabolism Impairment in a Human Melanoma Cell Line. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, 22(9), ISSN 1422-0067, IF=5.924.

82. Pancu, D. F., Scurtu, A., Macasoi, I. G., Marti, D., Mioc, M., **Şoica, C.**, Coricovac, D., Horhat, D., Poenaru, M., & Dehelean, C. (2021). Antibiotics: Conventional Therapy and Natural Compounds with Antibacterial Activity-A Pharmac-Toxicological Screening. *ANTIBIOTICS-BASEL*, 10(4), ISSN 2079-6382, IF=4.639.

83. Lombrea, A., Scurtu, A. D., Avram, S., Pavel, I. Z., Turks, M., Luginina, J., Peipins, U., Dehelean, C. A., **Şoica, C.**, & Danciu, C. (2021). Anticancer Potential of Betulonic Acid Derivatives. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, 22(7), ISSN 1422-0067, IF=5.924.

84. Jianu, C., Stoin, D., Cocan, I., David, I., Pop, G., Lukinich-Gruia, A. T., Mioc, M., **Şoica, C.**, Muntean, D., Rusu, L.-C., Golet, I., Horhat, D. I., & Mioc, A. (2021). In Silico and In Vitro Evaluation of the Antimicrobial and Antioxidant Potential of *Mentha x smithiana* R. GRAHAM Essential Oil from Western Romania. *FOODS*, 10(4), ISSN 2304-8158, IF= 4.350.

85. Sipos, S., Moaca, E.-A., Pavel, I. Z., Avram, S., Cretu, O. M., Coricovac, D., Racoviceanu, R.-M., Ghiulai, R., Pana, R. D., **Şoica, C. M.**, Borcan, F., Dehelean, C. A., & Crainiceanu, Z. (2021). *Melissa officinalis* L. Aqueous Extract Exerts Antioxidant and Antiangiogenic Effects and Improves Physiological Skin Parameters. *MOLECULES*, 26(8), ISSN 1420-3049, IF= 4.421.

86. Macasoi, I., Pavel, I. Z., Moaca, A. E., Avram, S., David, V. L., Coricovac, D., Mioc, A., Spandidos, D. A., Tsatsakis, A., **Şoica, C.**, Dumitrascu, V., & Dehelean, C. (2021). Mechanistic investigations of antitumor activity of a Rhodamine B-oleanolic acid derivative bioconjugate. *ONCOLOGY REPORTS*, 44(3), 1169–1183, ISSN 1021-335x, IF= 3.906

87. Danciu, C., Cioanca, O., Watz (Farcas), C., Hancianu, M., Racoviceanu, R., Muntean, D., Zupko, I., Oprean, C., Tatu, C., Paunescu, V., Proks, M., Diaconeasa, Z., **Şoica, C.**, Pinzaru, I., & Dehelean, C. (2021). Botanical Therapeutics (Part II): Antimicrobial and In Vitro Anticancer Activity against MCF7 Human Breast Cancer Cells of Chamomile, Parsley and Celery Alcoholic

Extracts. ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, 21(2), 187–200, ISSN 1871-5206, IF= 2.507

88. Pinzaru, I., Tanase, A., Enatescu, V., Coricovac, D., Bociort, F., Marcovici, I., Watz, C., Vlaia, L., **Șoica, C.**, & Dehelean, C. (2021). 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, 10(1), ISSN 2076-3921, IF= 6.313.

89. Pinzaru, I., Sarau, C., Coricovac, D., Marcovici, I., Utescu, C., Tofan, S., Popovici, R. A., Manea, H. C., Pavel, I. E., **Șoica, C.**, & Dehelean, C. (2021). Silver Nanocolloids Loaded with Betulinic Acid with Enhanced Antitumor Potential: Physicochemical Characterization and In Vitro Evaluation. NANOMATERIALS, 11(1), ISSN 2079-4991, IF= 5.076.

90. Lombrea, A., Antal, D., Ardelean, F., Avram, S., Pavel, I. Z., Vlaia, L., Mut, A.-M., Diaconeasa, Z., Dehelean, C. A., **Șoica, C.**, & Danciu, C. (2020). A Recent Insight Regarding the Phytochemistry and Bioactivity of Origanum vulgare L. Essential Oil. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 21(24), ISSN 1422-0067, IF=5.924.

91. Kis, B., Avram, S., Pavel, I. Z., Lombrea, A., Buda, V., Dehelean, C. A., **Șoica, C.**, Yerer, M. B., Bojin, F., Folescu, R., & Danciu, C. (2020). Recent Advances Regarding the Phytochemical and Therapeutic Uses of Populus nigra L. Buds. PLANTS-BASEL, 9(11), ISSN 2223-7747, IF= 3.935

92. Buda, V., Brezoiu, A.-M., Berger, D., Pavel, I. Z., Muntean, D., Minda, D., Dehelean, C. A., **Șoica, C.**, Diaconeasa, Z., Folescu, R., & Danciu, C. (2020). Biological Evaluation of Black Chokeberry Extract Free and Embedded in Two Mesoporous Silica-Type Matrices. PHARMACEUTICS, 12(9), ISSN 1999-4923, IF= 6.321.

93. Macasoi, I., Pavel, I. Z., Moaca, A. E., Avram, S., David, V. L., Coricovac, D., Mioc, A., Spandidos, D. A., Tsatsakis, A., **Șoica, C.**, Dumitrascu, V., & Dehelean, C. (2020). Mechanistic investigations of antitumor activity of a Rhodamine B-oleanolic acid derivative bioconjugate, 2020. ONCOLOGY REPORTS, 45(4), ISSN 1021-335x, IF= 3.906

94. Dehelean, C. A., Lazureanu, V., Coricovac, D., Mioc, M., Oancea, R., Marcovici, I., Pinzaru, I., **Șoica, C.**, Tsatsakis, A. M., & Cretu, O. (2020). SARS-CoV-2: Repurposed Drugs and Novel Therapeutic Approaches-Insights into Chemical Structure-Biological Activity and Toxicological Screening. JOURNAL OF CLINICAL MEDICINE, 9(7), ISSN 2077-0383, IF=4.242.

95. Fecker, R., Buda, V., Alexa, E., Avram, S., Pavel, I. Z., Muntean, D., Cocan, I., Watz, C., Minda, D., Dehelean, C. A., **Șoica, C.**, & Danciu, C. (2020). Phytochemical and Biological

Screening of *Oenothera biennis* L. Hydroalcoholic Extract. *BIOMOLECULES*, 10(6), ISSN 1420-3049, IF= 4.421

96. Ghiulai, R., Avram, S., Stoian, D., Pavel, I. Z., Coricovac, D., Oprean, C., Vlase, L., Farcas, C., Mioc, M., Minda, D., Motoc, A., Szuhaneck, C., Danciu, C., **Șoica, C.**, & Sima, L. (2020). Lemon Balm Extracts Prevent Breast Cancer Progression In Vitro and In Ovo on Chorioallantoic Membrane Assay. *EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE*, 2020, ISSN 1741-427x, IF= 2.630

97. Farcas, C. G., Dehelean, C., Pinzaru, I. A., Mioc, M., Socoliuc, V., Moaca, E.-A., Avram, S., Ghiulai, R., Coricovac, D., Pavel, I., Alla, P. K., Cretu, O. M., **Șoica, C.**, & Loghin, F. (2020). Thermosensitive Betulinic Acid-Loaded Magnetoliposomes: A Promising Antitumor Potential for Highly Aggressive Human Breast Adenocarcinoma Cells Under Hyperthermic Conditions. *INTERNATIONAL JOURNAL OF NANOMEDICINE*, 15, 8175–8200, ISSN 1178-2013, IF= 6.400.

98. Antal, D. S., Ardelean, F., Avram, S., Pavel, I. Z., Danciu, C., Șoica, C., & Dehelean, C. (2020). Flavonolignans: One Step Further in the Broad-Spectrum Approach of Cancer. *ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY*, 20(15), 1817–1830, ISSN 1871-5206, IF=2.507.

99. Simu GM, Atchana J, Soica CM, Coricovac DE, Simu SC, Dehelean CA, Pharmaceutical Mixtures: Still A Concern For Human And Environmental Health. *Curr Med Chem*. 2020;27(1):121-153 doi: 10.2174/0929867325666181108094222.

100. Kis, B.; Ifrim, F.C.; Buda, V.; Avram, S.; Pavel, I.Z.; Antal, D.; Paunescu, V.; Dehelean, C.A.; Ardelean, F.; Diaconeasa, Z.; **Șoica, C.**; Danciu, C. Cannabidiol—from Plant to Human Body: A Promising Bioactive Molecule with Multi-Target Effects in Cancer. *Int. J. Mol. Sci.* 2019, 20, 5905.

101. Moacă EA, Mihali CV, Macașoi IG, Racoviceanu Băbuță R, Șoica C, Dehelean CA, Păcurariu C, Florescu S. Fe<sub>3</sub>O<sub>4</sub>@C Matrix with Tailorable Adsorption Capacities for Paracetamol and Acetylsalicylic Acid: Synthesis, Characterization, and Kinetic Modeling. *Molecules*. 2019 May 3;24(9):1727. doi: 10.3390/molecules24091727. PubMed PMID: 31058855; PubMed Central PMCID: PMC6539884.

102. 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 Phytocompound. *Nutrients*. 2019 Apr 16;11(4):858. doi: 10.3390/nu11040858. PubMed PMID: 30995771; PubMed Central PMCID: PMC6521017.

103. 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, C. A. (2018). 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 (Basel, Switzerland)*, 24(1), 13. doi:10.3390/molecules24010013, FI 3,098
104. 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. *Eur J Pharm Biopharm.* 2019 Jan;134:1-19. doi: 10.1016/j.ejpb.2018.11.006. Epub 2018 Nov 7. FI 4,491
105. Coricovac, D., Farcas, C., Nica, C., Pinzaru, I., Simu, S., Stoian, D., **Soica, C.**, Proks, M., Avram, S., Navolan, D., Dumitru, C., Popovici, R. A., ... Dehelean, C. A. (2018). Ethinylestradiol and Levonorgestrel as Active Agents in Normal Skin, and Pathological Conditions Induced by UVB Exposure: In Vitro and In Ovo Assessments. *International journal of molecular sciences*, 19(11), 3600. doi:10.3390/ijms19113600
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, C. A. (2018). Botanical Therapeutics: Phytochemical Screening and Biological Assessment of Chamomile, Parsley and Celery Extracts against A375 Human Melanoma and Dendritic Cells. *International journal of molecular sciences*, 19(11), 3624. doi:10.3390/ijms19113624
107. Oprean C, Ivan A, Bojin F, Cristea M, **Soica C**, Drăghia L, Caunii A, Paunescu V, Tatu C Selective in vitro anti-melanoma activity of ursolic and oleanolic acids. *Toxicol Mech Methods.* 2018 Feb;28(2):148-156. doi: 10.1080/15376516.2017.1373881.
108. 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. *Anticancer Agents Med Chem.* 2018;18(5):631-644. doi: 10.2174/1871520617666171121142522.
109. Mioc, M; Avram, S; Bercean, V; Porcarasu, MB; **Soica C**; Susan, R; Kurunczi, L, Synthesis, Characterization and Antiproliferative Activity Assessment of a Novel 1H-5-mercapto-1,2,4 Triazole Derivative, *Rev Chim*, 68(4), 2017, 745-747, 1,412
110. Ardelean, F; Susan, R; Borcan, F; Moaca, A; Antal, DS, **Soica C.**; Moldovan, R; Vaduva, DB; Marti, D, Synthesis and Physico-Chemical Evaluation of Polyurethane Microstructures

for Transmembrane Delivery of Reynoutria japonica Extract, *Materiale Plastice*, 2017, 54, 4, 651-654

111. Caunii, A., Oprean, C., Cristea, M., Ivan, A., Danciu, C., Tatu, C., Paunescu, V., Marti, D., Tzanakakis, G., Spandidos, D. A., Tsatsakis, A., Susan, R., **Soica, C.**, Avram, S., ... Dehelean, C. (2017). Effects of ursolic and oleanolic on SK-MEL-2 melanoma cells: In vitro and in vivo assays. *International journal of oncology*, 51(6), 1651-1660.

112. Avram, S., Coricovac, D. E., Pavel, I. Z., Pinzaru, I., Ghiulai, R., Baderca, F., **Soica, C.**, Muntean, D., Branisteanu, D. E., Spandidos, D. A., Tsatsakis, A. M., ... Dehelean, C. A. (2017). Standardization of A375 human melanoma models on chicken embryo chorioallantoic membrane and Balb/c nude mice. *Oncology reports*, 38(1), 89-99.

113. Pavel, IZ; Iftode, OA; Pinzaru, I; Coricovac, D; Moaca, A; Farcas, C ; Simu, SC; **Soica, C**; Dehelean, C; Motoc, A, Skin Specific Cells and UVB Damage An experimental assessment, *Rev Chim*, 2017, 68, 6, 1229-1233, FI 1,412

114. Moleriu, L; Duse, AO; Borcan, F; **Soica, C**; Kurunczi, L; Nicolov, M; Mioc, M, Formulation and Characterization of Antibacterial Hydrogels Based on Polyurethane Microstructures and 1,2,4-Triazole Derivatives, *Materiale Plastice*, 2017, 54, 2, 348-352

115. Coricovac, DE; Moaca, EA; Pinzaru, I; Citu, C; **Soica, C**; Mihali, CV; Pacurariu, C; Tutelyan, VA; Tsatsakis, A; Dehelean, CA, Biocompatible Colloidal Suspensions Based on Magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Toxicological Profile, *Frontiers In Pharmacology*, 8, Article Number: 154, DOI: 10.3389/fphar.2017.00154, 2017

116. Coricovac, DE; Dehelean, CA; Cseh, L; **Soica, CM**; Boglut, A; Simu, GM, Evaluation Of The Impact Induced By The Environmental Exposure To A Mixture Of Organic Solvents On Skh1 Mice, *Farmacia*, 65(1), 125-131, 2017

117. Corina Danciu, F Bojin, R Ambrus, D Muntean, **C Soica**, V Paunescu, M Cristea, I Pinzaru, C Dehelean, Physico-chemical and biological evaluation of flavonols: fisetin, quercetin and kaempferol alone and incorporated in beta cyclodextrins. *Anticancer Agents Med Chem*, 17(4), 615-626, 2017

118. Fulias A, Ledeti I, Vlase G, Vlase T, **Soica C**, Dehelean C, Oprean C, Bojin F, Suta LM, Bercean V, Avram S, Thermal degradation, kinetic analysis, and apoptosis induction in human melanoma for oleanolic and ursolic acids, *J Ther Anal Calor*, 125 (2) 759-768, DOI: 10.1007/s10973-015-5052-8, 2016

119. Andor B, Danciu C, Alexa E, Zupko I, Hogeia E, Cioca A, Coricovac D, Pinzaru I, Patrascu J, Mioc M, Cristina RT, **Soica C**, Dehelean C, Germinated and Ungerminated Seeds Extract from Two Lupinus Species: Biological Compounds Characterization and In Vitro and In Vivo Evaluations, Evidence-Based Complementary And Alternative Medicine Article Number: 7638542, DOI: 10.1155/2016/7638542, 2016
120. Oprean C, Zambori C, Borcan F, **Soica C**, Zupko I, Minorics R, Bojin F, Ambrus R, Muntean D, Danciu C, Pinzaru IA, Dehelean C, Paunescu V, Tanasie G, Anti-proliferative and antibacterial in vitro evaluation of the polyurethane nanostructures incorporating pentacyclic triterpenes, Pharm Biol, 54(11), 2714-2722, 2016
121. Trandafirescu C, Ledeti I, Coricovac DE, **Soica CM**, Pinzaru I, Dehelean CA, Iacob RE, Borcan F, Optimization of Hollow Aliphatic Polyurethane Particles Used as a Drug Delivery System, Materiale Plastice, 53 (2), 205-210, 2016
122. Balazs, B; Sipos, P; Danciu, C; Avram, S; **Soica, C**; Dehelean, C; Varju, G; Eros, G; BudaiSzucs, M ; Berko, S; Csanyi E, ATRFTIR and Raman spectroscopic investigation of the electroporationmediated transdermal delivery of a nanocarrier system containing an antitumour drug, Biomedical Optics Express, 2016, 7(1): 6778, DOI: 10.1364/BOE.7.000067 IF 3,344
123. Corina Danciu, **Codruta Soica**, Cristina Dehelean, Istvan Zupko, Erzsebet Csanyi, and Iulia Pinzaru, Preliminary In Vitro Evaluation of Genistein Chemopreventive Capacity as a Result of Esterification and Cyclodextrin Encapsulation, Analytical Cellular Pathology, vol. 2015, Article ID 262930, 8 pages, 2015. doi:10.1155/2015/262930 IF 0,459
124. Andoni, M; Patrascu, JM; Dehelean, CA; Simu, GM; **Soica, C**; Antal, D; Pop, R, Comparisons Between Tridentate Bis(benzazoles)pyridine and Bis(benzazoles)triazine Ligands: a Theoretical Study, Croatica Chemica Acta 2015; 88(3): 241-246 Doi: 10.5562/Cca2647 IF 0,732
125. Ledeti, I; Avram, S; Bercean, V; Vlase, G; Vlase, T; Ledeti, A; Zupko, I ; Mioc, M ; Suta, LM; **Soica, C**; Dehelean, C, Solid State Characterization and Biological Activity of Betulonic Acid Derivatives, Molecules 2015; 20(12): 22691-22702 Doi: 10.3390/Molecules201219876 IF 2,465
126. Coricovac, D; **Soica, C**; Muntean, D; Popovici, RA; Dehelean, CA; Hogeia, E, Assessment of the Effects Induced by Two Triterpenoids on Liver Mitochondria Respiratory Function Isolated from Aged Rats, Revista De Chimie 2015; 66(10): 1707-1710 IF 0,956

127. Antal, DS; Citu, C; Ardelean, F; Dehelean, C; Vlaia, L; **Soica, C**; Vlaia, V; Biris, M; Sas, I, Metallome Of Origanum Vulgare: The Unknown Side Of A Medicinal And Aromatic Plant Used Worldwide, Farmacia 2015; 63(4): 534-538 IF 1,162
128. Simu GM, Coricovac D, Cseh L, **Soica C**, Borcan F, Ionescu D, Andoni M, Dragos D, Dehelean C, Assessment of Skin Injuries Induced by Organic and Inorganic Phases of the Cosorb Process by Means of Non-invasives Techniques, Rev Chim, 67 (2), 291-296, 2016, FI 1,232
129. Andrica FM, Draghici GA, **Soica C**, Pinzaru I, Coricovac D, Citu C, Dehelean C, Antioxidant Activity Assessment of Ethanolic Spirulina Extracts, Rev Chim, 67 (2), 289-290, 2016, FI 1,232
130. Trandafirescu C, **Soica C**, Ledeti A, Borcan F, Suta LM, Murariu M, Dehelean C, Ionescu D, Ledeti I, Preformulation Studies for Albendazole A DSC and FTIR analysis of binary mixtures with excipients, Rev Chim, 67 (3), 463-467, 2016, FI 1,232
131. Ledeti I, Vlase G, Vlase T, Murariu M, Trandafirescu C, **Soica C**, Suta LM, Dehelean C, Ledeti A, Non-isothermal Isoconversional Kinetic Study Regarding the Degradation of Albendazole, Rev Chim, 67 (3), 549-552, 2016, FI 1,232
132. Antal DS, Ardelean F, Pinzaru I, Borcan F, Ledeti I, Coricovac D, Zupko I, Baghdikian B, Ollivier E, **Soica C**, Bolintineanu SL, Effects of Cyclodextrin Complexation on the Anti-cancer Effects of Cotinus coggygia Extract and its Constituents, Butein and Sulfuretin, Rev Chim, 67 (8), 1618-1622, 2016, FI 1,232
133. Oprean C, Borcan F, Pavel I, Dema A, Danciu C, **Soica C**, Dehelean C, Nicu A, Ardelean A, Cristea M, Ivan A, Tatu C, Bojin F, In Vivo Biological Evaluation of Polyurethane Nanostructures with Ursolic and Oleanolic Acids on Chemically-induced Skin Carcinogenesis, IN VIVO 30(5), 633-638, 2016
134. Danciu, C; Biris, M; Balazs, B; Csanyi, E; Pavel, IZ; Pop, G; **Soica, C**; Ceuta, L; Nita, L; Morgovan, C; Stoian, D, Proapoptotic Effect of Soy Total Extract Incorporated in Lyotropic Liquid Crystals Formulation, Revista De Chimie 2015; 66(7): 1038-1041 IF 0,956
135. Danciu, C; Borcan, F; **Soica, C**; Zupko, I; Csanyi, E; Ambrus, R; Muntean, D; Sass, C; Antal, D; Toma, C; Dehelean, C, Polyurethane Microstructures: a Good or Bad in vitro Partner for the Isoflavone Genistein?, Natural Product Communications 2015; 10(6): 951-954 IF 0,884
136. Andoni, M; Pop, R; **Soica, C**; Simu, GM; Ilici, M; Ardelean, S, Onisei, D; Dehelean, CA, Theoretical Study Regarding the Reactivity of 5nitrofurancarboxaldehyde Thiosemicarbazone, Revista De Chimie 2015; 66(5): 637-639 IF 0,956

137. Adriana Fuliaş, Gabriela Vlase, Titus Vlase, Lenuţa-Maria Şuta, **Codruţa Şoica**, Ionuţ Ledetji, Screening and characterization of cocrystal formation between carbamazepine and succinic acid, *Journal of Thermal Analysis and Calorimetry*.2015; 121(3): 1081-1086; DOI: 10.1007/s10973-015-4473-8 IF 1,781
138. Corina Danciu, Camelia Oprean, Dorina E. Coricovac, Cioca Andreea, Anca Cimpean, Heinfried Radeke, **Codruta Soica**, Cristina Dehelean, Behaviour of four different B16 murine melanoma cell sublines: C57BL/6J skin, *International Journal of Experimental Pathology*, 2015; 96(2): 73-80, DOI: 10.1111/iep.12114 IF 2,125
139. Minda, D; Pavel, IZ; Borcan, F; Coricovac, D; Pinzaru, I; Andrica, F; Morgovan, C; Nita, LD; **Soica, C**; Muntean, D; Toma, CC, Beneficial Effects of a Lupeol-Cyclodextrin Complex in a Murine Model of Photochemical Skin Carcinoma, *Rev Chim*, 2015, 66: 373-377, FI 0,956
140. Ionuţ Ledetji, Vasile Bercean, Anda Alexa, **Codruţa Şoica**, Lenuţa-Maria Şuta, Cristina Dehelean, Cristina Trandafirescu, Delia Muntean, Monica Licker, Adriana Fuliaş, Preparation and Antibacterial Properties of Substituted 1,2,4-Triazoles, *Journal of Chemistry*, vol. 2015, Article ID 879343, 5 pages, 2015. doi:10.1155/2015/879343
141. Szilvia Berkó, Boglárka Balázs, Blanka Sütő, Gábor Erős, Brigitta Gál, Anita Sztojkov-Ivanov, **Codruţa Soica**, Piroska Szabó-Révész, Lajos Kemény, István Zupkó, Erzsébet Csányi, Monitoring Of Skin Penetration And Absorption With A New In Vivo Experimental Model, *Farmacia*, 2014, 62: 1157-1163
142. Trandafirescu, C, Antal, D; **Soica, C**; Zupko, I; Minorics, R ; Ambrus, R; Borcan, F ; Oprean, C; Danciu, C; Avram, S ; Dehelean, C ; Nita, S; Vlaia, L, Cyclodextrin Complexes of Oleanolic and Ursolic Acid Physico-chemical and biological preliminary evaluation, *Rev Chim*, 65 (10), 1163-1167, 2014, FI 0,810
143. Corina Danciu, Alexandru Caraba, Florina Bojin, **Codruţa Şoica**, Georgeta Maria Simu, Sorina Ciurlea, Camelia Peev, Ioana Mihaela Citu, Iulia Panzaru, Genistein Does Not Induce Caspase 2 Activation In Vitro On B16 Melanoma Cell Lines, *Farmacia*, 2014, 62, 753-760
144. Trandafirescu, C, Avram, S, **Soica, C**, Aigner, Z, Arpad, G, Kata, M, Dehelean, C, Szabadai, Z, Borcan, F, Solid-state Characterization of Bifonazole - beta-cyclodextrin Binary Systems. II, *Rev Chim*, 65 (11), 2014, 1336-1339, FI 0,810
145. Danciu, C, Coricovac, DE, **Soica, C**, Dumitrascu, V, Simu, G, Antal, D, Lajos, K, Dehelean, CA, Borcan, F Evaluation of Skin Physiological Parameters in SKH1 Mice Experimental Model



after Exposure to Aggressive Factors like UVB using Non-invasive Methods, Rev Chim, 65(10), 1195-1199, 2014, FI 0,810

146. Simu, GM, Ledeti, IV, Muntean, SG, Fulas, A, Citu, IM, **Soica, C**, Onisei, D, Savoiu-Balint, G, Pinzaru, I, Ionescu, D, Study of the Interaction of Some Pharmaceutical Compounds with Different Cellulosic Supports, Rev Chim, 65(6), 664-670, 2014, FI 0,810

147. Duicu O., Ciurlea S., Dehelean C., Ardelean S., Andrica F., Muntean D., **Soica C.**, Antal D., Coricovac D., Pinzaru I., Analysis of a Betulinic Acid Formulation on Liver Mitochondria Isolated from Mice with Induced Murine Melanoma Rev Chim. 2014; 65: 956-959, FI 0,810

148. Antal, DS, Coricovac, D, **Soica, CM**, Ardelean, F, Panzaru, I, Danciu, C, Vlaia, V, Toma, C, High Cadmium Content in Wild-Growing Medicinal Plants from South-Western Romania Unexpected Results of a Survey on 29 Species, Rev Chim, 65(9), 2014, 1122-1125, FI 0,810

149. Fulas, A, **Soica, C**, Ledeti, I, Vlase, T, Vlase, G, Suta, LM, Belu, I, Characterization of Pharmaceutical Acetylsalicylic Acid - theophylline Cocrystal Obtained by Slurry Method Under Microwave Irradiation, Rev Chim, 65(11), 1281-1284, 2014, FI 0,810

150. Sergiu Adrian Chicu, Melania Munteanu, Ioana Cîtu, **Codruta Șoica**, Cristina Dehelean, Cristina Trandafirescu, Simona Funar-Timofei, Daniela Ionescu, Georgeta Maria Simu, The Hydractinia echinata Test-System. III: Structure-Toxicity Relationship Study of Some Azo-, Azo-Anilide, and Diazonium Salt Derivatives, Molecules, 2014, 19, 9798-9817

151. Adriana Fulaș, Gabriela Vlase, **Codruta Șoica**, Vasile Bercean, Titus Vlase, Ionuț Ledeți, Thermal behaviour of a modified encapsulation agent, J Ther Anal Cal, 2014, 118(2): 961-966

152. Galuscan, A; Jumanca, D; Borcan, F; **Soica, CM**; Ionescu, D; Rusu, LC; Crainiceanu, Z, Comparative Study on Polyurethane and Cyclodextrin Carriers for Triclosan, Rev Chim, 2014, 65: 2, 190-193, FI 0,810

153. Danciu C, Vlaia L, Fetea F, Hancianu M, Coricovac DE, Ciurlea SA, **Șoica CM**, Marincu I, Vlaia V, Dehelean CA, Trandafirescu C. Evaluation of phenolic profile, antioxidant and anticancer potential of two main representants of Zingiberaceae family against B164A5 murine melanoma cells, Biol Res. 2015 Jan 12;48(1):1.

154. Dehelean CA, **Soica C**, Peev C, Ciurlea S, Feflea S, P. Kasa jr., A pharmaco-toxicological evaluation for betulinic acid mixed with hydroxipropilgamma cyclodextrin on in vitro and in vivo models, Farmacia, 59(1): 51-59, 2011

155. Cinta-Pinzaru S, Dehelean CA, **Soica C**, Culea M, Borcan F, Evaluation and differentiation of the Betulaceae birch bark species and their bioactive triterpene content using analytical FT-

vibrational spectroscopy and GC-MS, Chemistry Central Journal, 6(67), 2012, DOI: 10.1186/1752-153X-6-67

156. Danciu C, Falamas A, Dehelean C, **Soica C**, Radeke H, Barbu-Tudoran L, Bojin F, Cîntă Pînzaru S, Munteanu M A characterization of four B16 murine melanoma cell sublines : molecular fingerprint and proliferation behavior, Cancer Cell Int, 13:75, doi:10.1186/1475-2867-13-75, 2013

157. Fulias Adriana, Vlas Titus, Vlas Gabriela, **Soica Codruta**, Heghes Alina, Craina Marius, Heghes Alina, Ledeti Ionut, Comparative kinetic analysis on thermal degradation of some cephalosporins using TG and DSC data, Chem Cent J, 7(70), DOI: 10.1186/1752-153X-7-70, 2013

158. Heghes Alina, **Soica Codruta**, Ardelean Simona, Ambrus Rita, Muntean Danina, Galuscan Atena, Dragos Dan, Ionescu Daniela, Borcan Florin, Influence of emulsifiers on the characteristics of polyurethane structures used as drug carrier, Chem Cent J, 7, Art. Nr. 66, DOI: 10.1186/1752-153X-7-66, 2013

159. Wang, Hai Ming, **Soica, Codruta M.**, Wenz Gerhard, Comparison Investigation on the Solubilization of Betulin and Betulinic Acid in Cyclodextrin Derivatives, Nat Prod Comm., 7(3), 289-291, 2012.

160. Szuts Angela, Budai-Szucs Maria, **Soica Codruta**, Dehelean Cristina A., Szabo-Revesz Pirooska, Evaluation Of The Interaction Between A Sucrose Ester And Diclofenac Sodium, Farmacia, 58, 2, 211-217, 2010

161. Ambrus R, Aigner Z, Dehelean C, **Soica C**, Revesz P, Physico-chemical studies on solid dispersion of niflumic acid prepared with PVP, Revista de Chimie, 2007, 58(1): 60-64

162. Dehelean CA, Cîntă-Pînzaru S, 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, 9(3): 783-787, 2007.

163. Dehelean CA, **Soica C**, Peev C, Gruia AT, Seclaman E, Physico-chemical and molecular analysis of antitumoral pentacyclic triterpenes in complexation with gamma-cyclodextrin, Revista de Chimie, 2008, 59(8): 887-890, FI 0,389.

164. Dehelean CA, Peev C, Cîntă-Pînzaru S, **Soica C**, Kaycsa A, FT-IR, FT-Raman and TLC Densitometry Analysis of Some Plane Tree Extracts Concerning Their Content in Betulinic Acid and Betulin, Revista de Chimie, 2006, 57(11): 1105-1108, FI 0,287.

165. Aluaş M, **Soica C**, Gyeresi A, Dehelean C, Simion S, Physico-chemical analysis of binary

complexes of furosemide and randomly methylated beta cyclodextrin, Revista de Chimie, 2007, 58(10): 892-896, FI 0,261.

166. Peev C, Vlase L, Dehelean C, **Soica C**, Tamaş M, Analiza calitativă a chisinei din mugurii foliari utilizați în fitoterapie, prin CSS și HPLC-MS, Revista de Chimie, 2006, 57(12): 1202-1204, FI 0,287.

167. Ambrus Rita, Aigner Zoltan, **Soica Codruta**, Peev Camelia, Szabo-Revesz Pirooska, Amorphisation of niflumonic acid with polyvinylpyrrolidone prepared solid dispersion to reach rapid drug release, Rev Chim, 58, 2, 206-209, 2007, FI 0,261

168. Ambrus Rita, Aigner Zoltan, Berkesi Otto, **Soica Codruta**, Szabo-Revesz Pirooska, Determination of the structural interaction of niflumonic acid-PVP solid dispersions, Rev Chim, 57, 10, 1051-1054, 2006, FI 0,287

#### **D. In proceedings raportate pe ISI Web of Knowledge**

169. Fulias Adriana, Ledeti Ionut, Vlase Gabriela, Vlase Titus, **Soica Codruta**, Dehelean Cristina, Oprean Camelia, Bojin Florina, Suta Lenuta-Maria, Bercean Vasile, Avram Stefana, Thermal degradation, kinetic analysis, and apoptosis induction in human melanoma for oleanolic and ursolic acids, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 125 Issue: 2 Page: 759-769 Published: AUG 2016 Conference: MEDICTA Conference Location: Univ Girona, Girona, Spain DATE: 2015

170. Peev Camelia, Vlase Laurian, Dehelean Cristina, **Soica Codruta**, Feflea Stefana, Alexa Ersilia, HPLC Comparative Analysis Of Polyphenolic Content Of Propolis And Black Poplar Foliar Bud Extracts, ACTUAL TASKS ON AGRICULTURAL ENGINEERING, PROCEEDINGS Book Series: Actual Tasks on Agricultural Engineering-Zagreb Editor(s): Kosutic, S, 37, 395-404 Published: 2009

171. Dehelean, C. A. Pinzaru, S. Cinta Peev, C. I. **Soica, C.** Antal, D. S. Characterization of birch tree leaves, buds and bark dry extracts with antitumor activity JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 9 Issue: 3 Special Issue: SI Pages: 783-787 Published: MAR 2007 Conference: International Conference on Advanced Spectroscopies on Biomedical and Nanostructured Systems Location: Cluj Napoca, ROMANIA Date: SEP 03-06, 2006

## **E. PUBLICAȚII ÎN REVISTE românești în baze de date internaționale**

### **1. In reviste necotate ISI dar care se găsesc în baze de date internaționale**

172. Dehelean CA, **Soica CM**, Toma CC, Feflea S, Gruia AT, Kasa P jr., Antitumoral activity of betulin, a compound present in birch tree, in formulations with cyclodextrin, Studia Univ. Vasile Goldis Arad, Seria Stiintele Vietii, 2010, 20(1):55-58;
173. Dehelean CA, Muresan A, Ciurlea S, Ionescu D, Peev C, **Soica C**, Redes L, Evaluari toxicologice pentru 7,12- dimetilbenzantracen ca promotor tumoral in melanomul experimental, Rev.Med.Chir.Soc.Med.Nat.Iasi, 2009, 113(2 suppl): 99-103.
174. Dehelean CA, **Soica C**, Ciurlea S, Ursica L, Peev C, Aigner Z, Consequences of increasing betulin hydrosolubility with hydroxipropilgamma cyclodextrin, in vitro analysis of its efficacy/noxious activity, Timișoara Medical Journal, 2008, 58(suppl 2): 341-345;
175. Dehelean CA, **Soica C**, Peev C, Ordodi V, Tatu C, Betulinic acid dissolved with PVP dose/effect relationship and its intervention on skin pathology and melanoma. A farmacotoxicological evaluation, Timișoara Medical Journal, 2008, 58(suppl. 2): 345-349;
176. Dehelean CA, Peev C, **Soica C**, Tatu C, Cîntă-Pînzaru S, Gruia A, Preliminary in vitro studies on mesenchymal stem cells and melanoma cells of dry birch tree bark extract, Farmacia, 2007, LV(6): 696-702;
177. Dehelean C, Antal DS, Kaycsa A, Dragomirescu A, **Soica C**, The analysis of some active principles and contaminants in the leaves of Betula pendula, Timisoara Medical Journal, 2005, vol. 55(suppl.5): 191-193;
178. Dehelean C, **Soica C**, Dinte E, Toma C, Dragomirescu A, Analiza nocivității cutanate și testarea generală a unei noi formule cosmetice, Revista de Medicină și Farmacie UMF Târgu-Mureș, 2004, 50: 250-252;
179. Dehelean C, Năstase V, Dragomirescu A, Lazăr E, **Soica C**, Modificări histologice în epiderm induse de tensioactivi și asocierile de uleiuri vegetale, Rev. Medico-Chirurgicală Iasi, 2003, 107(2)supl.1: 186-189;
180. Danciu C, Avram S, Gaje P, Pop G, **Soica C**, Craina M, Dumitru C, Dehelean C, Peev C, An evaluation of three nutraceutical species in the Apiaceae family from Western part of Romania: antiproliferative and antiangiogenic potential, Journal of Agroalimentary Processes and Technologies, 2013, 19(2):173-179;

181. 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, 2009, 37: 395-404;
182. Ciurlea S, **Soica C**, Ionescu D, Ambrus R, Feflea S, Dehelean CA, Birch tree outer bark a natural source of bioactive pentacyclic triterpenes with an antitumor activity, Journal of Agroalimentary Processes and Technologies, 2010, 16(3):328-332;
183. **Soica C**, Dehelean C, Peev C, Ciurlea S, Trandafirecu C, Evaluari fizico-chimice si toxicologice privind cresterea unor compusi cu actiune terapeutica diuretica si antitumorala prin intermediul complexarii cu ciclodextrine, Rev.Med.Chir.Soc.Med.Nat., 2009, 113(suppl 2): 391-397;
184. Feflea S, Dehelean C, Peev C, **Soica C**, Ceausu R, Gaje P, Betulinic acid and betulin: implications in the angiogenesis process of the chorioallantoic membrane, Revista de Medicina si Farmacie - Orvosi es Gyogyszeresze Tirgu-Mures, 2009, 55: 346-349;
185. **Soica C**, Gyeresi A, Aigner Z, Kata M, Dehelean C, Preparation and investigation of inclusion complexes of hydrochlorothiazide with hydroxypropyl- $\beta$ -cyclodextrin, Timișoara Medical Journal, 2008, 58(suppl. 2): 95-99;
186. **Soica C**, Dehelean CA, Aigner Z, Ordodi V, Peev C, Cinta-Pinzaru S, Plane tree outer bark extract analysis and increasing of its bioavailability by cyclodextrin complexation, Timișoara Medical Journal, 2008, 58(suppl. 2): 99-102;
187. Ardelean S, Dehelean CA, **Soica C**, Peev C, Dragomirescu A, Nastase V, Preliminary analysis of semisolid formula with different types of polysorbates and their noxious effects, Timișoara Medical Journal, 2008, 58(suppl. 2): 305-310;
188. Craciun (Redes) L, Dehelean CA, **Soica C**, Ciurlea S, Peev C, Aigner Z, Preliminary studies regarding lupeol hydrosolubility and interventions on its in vitro efficacy/ noxious activity, Timișoara Medical Journal, 2008, 58(suppl. 2): 379-383;
189. **Soica CM**, Dehelean CA, Peev C, Coneac G, Gruia TA, Complexation with hydroxypropyl- $\gamma$ -cyclodextrin of some pentacyclic triterpenes. Characterisation of their binary products, Farmacia, 2008, LVI(2):182-190;
190. **Soica C**, Imre S, Vari C, Gyeresi A, Dehelean C, Dogaru M, HPLC analysis of furosemide in rat plasma. Bioavailability study note 1, Farmacia, 2008, LVI(4):419-427;

191. **Codruța Șoica**, C. Vari, Silvia Imre, Á. Gyéresi, Cristina Dehelean, Maria Dogaru, HPLC analysis of furosemide in rat plasma. Bioavailability study note 2., Farmacia (2008), 56(5): 513-520
192. Ardelean S, Dehelean CA, **Șoica C**, Dumitriu B, Ursica L, Nastase V, Skin toxicity evaluation for some sodium laurylsulphate creams. A dose-dependent relationship for anionic surfactant, Farmacia, 2008, LVI(4): 446-453;
193. Peev C, Dehelean C, Kaycsa A, **Șoica C**, Antal D, The in vitro study of anticancer activity of horse chestnut buds, Aesculus hippocastanum L., Farmacia, 2008, LVI(1): 30-34;
194. **Șoica C**, Gyéresi A, Dehelean C, Peev C, Aigner Z, Kata M, Thin-layer chromatography as analytical method for inclusion complexes of some diuretics with cyclodextrins, Farmacia, 2008, LVI(1):75-82;
195. **Șoica C**, Gyéresi A, Aigner Z, Kata M, Dehelean C, Szabadai Z, Physico-chemical analysis for some inclusion complexes of chlorthalidone with beta-cyclodextrin, Farmacia, 2006, LIV(2): 13-22;
196. **Șoica C**, Gyéresi A, Aigner Z, Kata M, Dehelean C, Preparation and investigation of inclusion complexes of indapamide with randomly methylated- $\beta$ -cyclodextrin, Timisoara Medical Journal, 2006, 56(suppl. 2): 266-270
197. **Șoica C**, Gyéresi A, Aigner Z, Kata M, Dehelean C, Preparation and investigation of acetazolamide products containing randomly methylated-beta-cyclodextrin, Timisoara Medical Journal, 2005, 55(suppl. 5): 83-85
198. Trandafirescu C., Gyéresi A., Aigner Z., Kata M., **Șoica C**, Szabadai Z., Study of improvement of some physicochemical properties of bifonazol by complexation with cyclodextrins, TMJ 2005, 55, Suppl. 5, 76-82
199. Peev C., Pinzaru-Cinta S., Dehelean C., **Șoica C.**, Analiza calitativă a betulinei, acidului betulinic și lupeolului în mugurii foliari, Rev.Med.Chir.Soc.Med.Nat.Iasi, 2009, 113(2), Suppl. 4: 317-319
200. Peev C., Dragan S., Dehelean C., **Șoica C.**, Militaru V., Socaciu C., Bitterul suedez-dozare de polifenoli totali și acțiunea antioxidantă, Rev.Med.Chir.Soc.Med.Nat.Iasi, 2009, 113(2), Suppl. 4: 320-322
201. Funar-Timofei S., Ionescu D., Dehelean C., Galca E., **Șoica C.**, A comparative study of paliperidone and quetiapine in patients diagnosed with acute form of schizofrenia, Medicine in Evolution, 2011, XVII, 3 (Suppl): 3-10

202. Ionescu D., Dehelean C., Funar-Timofei S., Galca E, **Soica C.**, The co-administration of eszopiclone and escitalopram in the case of patients with comorbid generalized anxiety disorder and insomnia, *Medicine in Evolution*, 2011, XVII, 3 (Suppl): 16-23.
203. Ciurlea S., Ionescu D., Dehelean C., Feflea S., **Soica C.**, Peev C., Bernad E., Antiproliferative activity of two triterpenes: ursolic and betulinic acid and their pharmacotoxicological in vitro evaluation on cervix and breast carcinoma, *TMJ* 2010, 60(Suppl. 2): 48-51
204. Tiulea C., Dehelean C., Peev C., **Soica C.**, Feflea S., Motoc A., The effects of isoflavonoid daidzein on the initiation of two stage carcinogenesis in mice, *TMJ* 2010, 60(Suppl. 2): 118-121
205. Sorina Ciurlea, Daniela Ionescu, Lavinia Craciun (Redes), Codruta Soica, Camelia Peev, Iuliana Popovici, Lupeol, a pentacyclic triterpene that reduces the lesions and irritability on murine skin and is effective on in vitro tumor models, *Journal of Agroalimentary Processes and Technologies*, 2010, 16(4), 427-432

## 2. Altele

206. **Șoica C.**, GyeresiÁ, Aigner Z, Kata M, Trandafirescu C, Dehelean C, Obținerea și analiza complexilor de incluziune ai diureticelor sulfonamidice cu ciclodextrine, *Revista de Medicină și Farmacie UMF Târgu-Mureș*, 2004, 50:196-200;
207. Cristina Dehelean, **Codruța Șoica**, Elena Dinte, Claudia Toma, Anca Dragomirescu: Analiza nocivității cutanate și testarea generală a unei noi formule cosmetice, *Revista de Medicină și Farmacie UMF Târgu-Mureș*, vol.50, 250-252, 2004
208. Cristina Dehelean, V. Năstase, Anca Dragomirescu, Elena Lazăr, **Codruța Șoica**: Modificări histologice în epiderm induse de tensioactivi și asocierile de uleiuri vegetale, *Rev. Medico-Chirurgicală*, vol. 107, nr. 2, supl. 1, 186-189, 2003

## F. Rezumate in reviste cu ISSN sau ISBN (inclusiv cotate ISI)

209. Dehelean CA, Cinta-Pinzaru S, Ionescu D, **Soica C**, Peev C, In vivo toxicological evaluation and FT-Raman spectroscopy correlations on a photochemical melanoma model, *Toxicology Letters*, Eurotox 2009, 189S: S57-S273, ISSN 0378-4274.
210. Dehelean CA, Peev C, **Soica C**, Aigner Z, Betulin formulations with ramified cyclodextrins and their intervention in a rat photodamage skin recovery, *Phytopharm*, Bonn Germania, 2009, p.29, ISBN 978-5-9651-0365-2.
211. Dehelean CA, Ionescu D, Simu GM, **Soica C**, A toxicological screening on in vitro and in vivo murine melanoma and skin carcinoma models and applications of modern non-invasive techniques in early diagnosis, *New trends and strategies in the chemistry of advanced materials*, 2010, p.41, ISSN 2065-0760.
212. Dehelean CA, Peev C, **Soica C**, Cinta-Pinzaru S, Aigner Z, In vivo toxicological evaluations for betulinic acid and ramified cyclodextrins applied on experimental melanoma models, *Planta Medica*, 2009, 75-PE49, ISSN 0032-0943.
213. Dehelean CA, **Soica C**, Muresan A, Tatu C, Aigner Z, Toxicological evaluations for betulinic acid in cyclodextrin complexes on in vitro and in vivo melanoma models, *Planta Medica*, 2009, 75-PE53, ISSN 0032-0943.
214. Feflea S, Peev C, **Soica C**, Ciurlea S, Dehelean C, Betulin in formulation with ramified gamma type cyclodextrin targeting tumour cells and angiogenesis (poster), 58th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research and the 7th Tannin Conference (Presymposium), Berlin, *Planta Medica*, 2010, 76(12): P610ISSN 0032-0943.
215. Tiulea C, Peev C, Dehelean C, **Soica C**, Feflea S, Motoc A, An in vivo evaluation of soy isoflavonoid genistein, incorporated in ramified cyclodextrin complex on experimental B16 mouse melanoma, *Fiziologia*, suppl.2010, ISSN 1223-2076.
216. Feflea S, Tiulea C, Ciurlea S, **Soica C**, Peev C, Dehelean CA, Antiangiogenic and antitumor activity of betulinic acid after dissolution with ramified gamma type cyclodextrin (poster), IUTOX Congress, Barcelona, Abstracts / *Toxicology Letters*, 2010, 196 (Suppl.1): S254–S255.
217. Canciu C, **Soica C**, Dehelean CA, Ambrus R, Csanyi E, Antal DS, Effects of rameb complexation on aqueous solubility of glycyrrhetic acid from *Glucyrrhiza glabra* L. Electron microscopic characterisation of stable complex, *Pharmacognosy Magazine*, 2010, 6(suppl.22), S 146, ISSN 0973-1296.



218. Ionescu D, Dehelean CA, **Soica C**, Peev C, Galca E, Comparative study venlafaxine vs Paroxetine in therapy of anxiety disorders, Noi provocari in practica farmaceutica Ed Universitatii din Oradea, 2009, p351, ISBN 978-973-759-891-2.
219. **Soica C**, Cinta-Pinzaru S, Dehelean CA, Ionescu D, Sbarcea L, Caracterizarea prin spectroscopie vibrationala si difractie de raze X a furosemidei si clortalidonei si a complexelor lor de incluziune cu ciclodextrine, Noi provocari in practica farmaceutica Ed Universitatii din Oradea, 2009, p.354-355, ISBN 978-973-759-891-2.
220. Ciurlea SA., Ionescu D, **Soica C**, Peev C, Feflea S, Tiulea C, Ambrus R, DeheleanCA, Experimental melanoma models explored for evaluation of lupan skeleton antitumor structures in parenteral formulations, Congresul National de Farmacie Tg Mures, Acta Medica Marisiensis, 2010, 56(suppl. 2): 102,
221. Ionescu D, Dehelean C, Ciurlea S, Dragan S, Negrean A, **Soica C**, Evaluation of duloxetine treatment for relapse prevention in the case of adults with generalized anxiety disorder, Fiziologia-Physiology, 2011, (S):40, ISSN:1223-2076.
222. Ionescu D, Dehelean C, Timofei-Funar S, Galca E, Dumache R, **Soica C**, An Evaluation Of The Safety And Efficacy Of Amisulpride And Risperidone In The Case Of Elderly Psychotic Patients, 12th Edition of Timisoara's Academic Days, Chemistry, 2011, p.117, ISSN: 2065-0760.
223. Dehelean C, Zupko I, Rethy B, **Soica C**, Coneac G, Peev C, Bumbacila B, In vitro analysis of betulinic acid in lower concentrations and its anticancer activity/toxicity by changing the hydrosolubility with hydroxypropilgamma cyclodextrin, Toxicology Letters, 2008, 180(1):S100, ISSN: 0378-4274.
224. DeheleanCA, Peev C, **Soica C**, Ursica L, Coneac G, Betulinic acid and betulin ointments: Positive effects in a semisolid formulation and UV skin damage animal model, Toxicology Letters, 2008, 180(1): S47, ISSN: 0378-4274.
225. Dehelean CA, Butnariu M, **Soica C**, Ursica L, Preliminary tests for efficacy/toxicity evaluation of Calendulae flos extract before and after accumulation of zinc, Toxicology Letters, 2007, 172(1):S182, ISSN: 0378-4274.
226. Dehelean CA, Tatu C, Cîntă-Pînzaru S, Peev C, **Soica C**, Tanasie G, Anghel S, In vitro studies on mesenchymal stem cells of a dry birch tree bark extract, Toxicology Letters, 2006, 164(1):S228, ISSN: 0378-4274.

227. Dehelean C, Kaycsa A, Dragomirescu A, **Șoica C**, Mitan M, New sources of anti cellulite vegetal compounds and their harmful activity test on skin, European Journal of Drug Metabolism and Pharmacokinetics, 2005, 30:22, ISSN 0378-7966.
228. Coneac G, **Șoica C**, Dehelean C, Aigner Z, Peev C, Comparative study of betulin complexes with octakis (2,6-di-O-pentyl)-gamma-cyclodextrin and 6-O-maltosyl-beta-cyclodextrin, Toxicology Letters, 2008, 180(1):S225-S226, ISSN 0378-4274.
229. **Șoica C**, Dehelean C, Coneac G, Ciurlea S, Aigner Z, Changes in betulin bioavailability/toxicity as nanostructure by mixing with octakis (2,6-di-O-pentyl)-gamma-cyclodextrin, Toxicology Letters, 2008, 180(1):S221, ISSN 0378-4274.
230. Peev CI, Dehelean CA, **Șoica CM**, Coneac GH, Gruia AT, The analysis of birch tree bark main components as toxicity on human mesenchymal stem cells, Toxicology Letters, 2008, 180(1):S100, ISSN 0378-4274.
231. Danciu Corina, Ciurlea Sorina, Erzsébet Csányi, Balazs Boglarka, **Codruta Șoica**, Avram Ștefana, Camelia Peev , Dehelean Cristina - A new approach in the recovery of murine melanoma lesions: electroporation of lyotropic liquid crystals genistein based formulation, 5<sup>th</sup> BBBB International Conference –From drug discovery and formulation strategies to pharmacokinetics-pharmacodynamics, 26-28 September, 2013, Greece, Athens, <http://www.bbbb-eufeps.org>, European Journal of Pharmaceutical Sciences, pp 091
232. Antal, DS; Pinzaru, I; Coricovac, D; Soica, C; Schwaiger, S; Stuppner, H; Ollivier, E; Dehelean, CA, Changes in the anti-inflammatory activity of aurone and chalcone class flavonoids from Cotinus coggygia extracts after complexation with cyclodextrins, Planta Medica 2015, Meeting Abstract: Pm136 Volume: 81 Issue: 16 Pages: 14631463
233. Danciu, C; Pavel, IZ; Borcan, F; Soica, C; Zupko, I; Csanyi, E; Avram, S; Pavel, IZ; Coricovac, D; Dehelean, CA, In vitro biological evaluation of polyurethane microstructures genistein based formulation, Planta Medica 2015, Meeting Abstract: Pm202 Volume: 81 Issue: 16 Pages: 14811481
234. Coricovac, D; Dehelean, C; Pinzaru, I; Ionescu, D; Soica, C; Simu, G, Toxicological evaluation of the effects induced by the organic phase obtained via COsorb process on skin physiological parameters, Toxicology Letters 2015, Meeting Abstract: P12076 Volume: 238 Issue: 2 Pages: S274s274 Doi: 10.1016/J.Toxlet.2015.08.788 Supplement: S

## G. Alte lucrari si prezentari

## **Vi. VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE INTERNAȚIONALE**

**Vi1** Dehelean Cristina A., Peev C., **Șoica C.**, Antal D., Vlaia V., Betula pendula Roth outer bark and its skin protective properties with low toxicity activity, 5<sup>th</sup> CMAPSEEC, 2-5 sept., Brno, Cehia, Abstract Book, ISBN 978-80-375-205-7, pp.43, 2008.

**Vi2** Kaycsa A, Cristina A. Dehelean, C. Peev, **C. Șoica**, B. Dumitriu, Application of some phytocompounds in the treatment of DMBA induced breast cancer, 5<sup>th</sup> CMAPSEEC, 2-5.sept., Brno, Cehia, Abstract Book , ISBN 978-80-375-205-7, pp.44, 2008.

**Vi3** Dehelean Cristina A., **Șoica C.**, Peev C.I., Antal D., Ordodi V., Plane (Platanus) tree outerbark-its biological and toxicological aspects, 5<sup>th</sup> CMAPSEEC, 2-5.sept., Brno, Cehia, Abstract Book , ISBN 978-80-375-205-7, pp.45, 2008.

**Vi4** Peev C., Cinta-Pinzaru S., Dehelean Cristina, **Șoica C.**, Kaycsa A., Feflea S., A study of plane foliar buds: triterpenic compounds, phytobiologic analysis and in vitro antitumor activity, 5<sup>th</sup> CMAPSEEC, 2-5.sept., Brno, Cehia, Abstract Book , ISBN 978-80-375-205-7, pp. 61, 2008.

**Vi5** Olariu L, Dehelean Cristina, C. Peev, **C. Șoica**, S. Feflea, D. Ene, The antitumoral activity of some vegetal extracts: an in vitro study, 5<sup>th</sup> CMAPSEEC, 2-5.sept., Brno, Cehia, Abstract Book, ISBN 978-80-375-205-7, pp.68, 2008.

**Vi6** Dehelean Cristina A., **Codruța M. Șoica**, Georgeta H. Coneac, Zoltan Aigner, Betulinic acid included in cyclodextrin complexes and modifications of its antitumor effect, Special issue of The European Journal of Nanomedicine, 1<sup>st</sup> Conference of Clinical Nanomedicine, Basel, Abstract Book , pp.33, 2008.

**Vi7** Dehelean C, **Șoica C.**, Coneac G., Ciurlea S., Ambrus R., A comparative analysis for skin anticancer activity and toxicity of lupan skeleton triterpenes, Clinical Proteomics in Oncology, 3-4 Iulie, Dijon, Abstract Book , Franta, pp.53, 2008.

**Vi8** **Șoica CM**, Dehelean C. A, Peev C, Aigner Z, Ambrus R, Intervention in anticancer activity and toxicity of lupan skeleton triterpenes, Clinical Proteomics in Oncology, 3-4 Iulie, Dijon, Abstract Book , Franta, pp.54, 2008.

**Vi9** Dehelean Cristina A., **Șoica CM**, Bumbacila B, GC-MS Evaluation of betulinic acid skin distribution after the subcutaneous administration of pure betulinic acid and HPGCD-betulinic acid complex in vivo rats, the 56<sup>th</sup> Annual Conference on Mass Spectrometry, Tsukuba, Abstract Book , Japonia, pp. 3P-26, 2008.

**Vi10** Peev CI, Dehelean Cristina A., **Șoica C**, Vlaia V, Antal D, Birch tree outer bark and its anticancer activity by the pentacyclic triterpenes. Pharmacological and toxicological applications, 5<sup>th</sup> International Conference on plant metabolomics, 15-18 July, Yokohama, Abstract Book , Japonia, pp.237, 2008.

**Vi11** Dehelean Cristina A., Peev CI, **Șoica CM**, Antal D, Ordodi V, Plane tree outerbark and its anticancer activity by the pentacyclic triterpenes. Pharmacological and toxicological applications, 5<sup>th</sup> International Conference on plant metabolomics, 15-18 July, Yokohama, Abstract Book , Japonia, pp. 236, 2008.

**Vi12** Cinta-Pinzaru S, Dehelean Cristina A., **Șoica C**, Peev C, Supramolecular assembly of betulin-cyclodextrin derivates species: FT-Raman study, ICORS, Uxbridge, Abstract Book, ISBN 978-1-906715-00-17, pp.1048, Anglia, 2008.

**Vi13** Kaycsa A, Dehelean Cristina A., **Șoica C**, Bumbacila B, Peev C, Olariu L, Betulin and betulinic acid: an in vitro antitumor evaluation, RSBMM International conference, Abstract Book, Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, Rom J Biochem, 45, 1, special issue, ISSN 1582-3318, Bucharest, pp. 84, 2008.

**Vi14** Peev C, Pinzaru S, Dehelean Cristina, Kaycsa A, **Șoica C**, Feflea S, Bumbacila B, The in vitro study of anti-cancer activity of plane buds, RSBMM International conference, Abstract Book, Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, Rom J Biochem, 45, 1, special issue, ISSN 1582-3318, Bucharest, pp. 119, 2008.

**Vi15** Dehelean Cristina, Cinta-Pinzaru S., **Șoica C.**, Ambrus R., Peev C., Intervention in some lupan skeleton compounds solubility for improving their benefit/risk ratio, 3<sup>rd</sup> Advanced Spectroscopies on Biomedical and Nanostructured Systems, Abstract Book, 7-9 sept. Cluj/Napoca, pp.55, 2008.

**Vi16 Soica Codruta**, Dehelean Cristina, Cinta-Pinzaru S., Aluas M., Aigner Z., Ciurlea S., Physico-chemical evaluation of betulin after complexation with beta and gamma cyclodextrins, 3<sup>rd</sup> Advanced Spectroscopies on Biomedical and Nanostructured Systems, Abstract Book , 7-9 sept., Cluj-Napoca, pp.85, 2008.

**Vi17** DeheleanCristina, L. Vlase, **C. Șoica**, V. Ordodi, B. Bumbacila, Betula pendula Roth outer bark extract: triterpenes content and its anticancer activity, PBA (Pharmaceutical&Biomedical Analysis), Abstract Book, ISBN 978-83-927125-0-3, Polonia, pp.239, 2008.

**Vi18** Dehelean Cristina A., I. Zupko, B. Rethy, **C. Șoica**, C. Peev, G. Coneac, S. Ciurlea, In vitro analysis of betulin and its anticancer and toxic activity by increasing the hydrosolubility with HPGCD, PBA (Pharmaceutical&Biomedical Analysis), Abstract Book, ISBN 978-83-927125-0-3, Polonia, pp.253, 2008

**Vi19 Șoica C.**, Dehelean Cristina, L. Vlase, C. Peev, V. Ordodi, Z. Aigner, Analysis of plane tree outer bark with anticancer activity and the increasing of its bioavailability by cyclodextrin complexation, PBA (Pharmaceutical&Biomedical Analysis), Abstract Book, ISBN 978-83-927125-0-3, Polonia, pp.233, 2008

**Vi20** Peev C., Ardelean S., Dehelean Cristina, **C. Șoica**, G. Coneac, L. Ursica, Betula pendula Roth and betulin ointments: positive effects in a sodium laurylsulphate and UV skin damage animal model., PBA (Pharmaceutical&Biomedical Analysis), Abstract Book, ISBN 978-83-927125-0-3, Polonia, pp.238, 2008.

**Vi21** Peev Camelia, Vlase L., Dehelean Cristina, **Șoica Codruța**, Feflea Ștefana, Canciu Carmen, Kaycsa Adriana, Polyphenolic structures composition profile on foliar poplar buds and their antitumor activity in vitro study, PBA (Pharmaceutical&Biomedical Analysis), Abstract Book, ISBN 978-83-927125-0-3, Polonia, pp.259, 2008.

**Vi22** Dehelean Cristina A., Tatu C., **Șoica C.**, Ordodi V, Cinta-Pinzaru S., Peev C., In vivo and in vitro tests for to evaluate efficacy and toxicity of betulinic acid as standalone or mixed with PVP, PSE (Plants for human health in the post-genome era) Congress, ISSN 1455-0873, pp. 71, 2007.

**Vi23 Codruța Șoica**, Gyéresi Árpád, Dehelean Cristina, Zoltan Aigner, Mihály Kata, Thin-layer chromatography as analytical method for inclusion complexes of some diuretics with cyclodextrins, 7th Balaton Symposium on High-Performance Separation Methods, Abstract Book, ISBN 978-963-06-2925-6, Hungary, pp.173, 2007.

**Vi24 Codruța Șoica**, Dehelean Cristina A., C. Tatu, C. Peev, Aigner Zoltan, Rita Ambrus, Mihály Kata, Obtention and analysis of inclusion complexes of betulinic acid with hydroxypropyl-gamma-cyclodextrin, 12th International Meeting on Recent Developments in Pharmaceutical Analysis, Elba, Abstract Book, Italia, , pp.179, 2007

**Vi25 Șoica Codruța**, Gyéresi Árpád, Aigner Zoltán, Kata Mihály, Dehelean Cristina, Klortalidon- $\beta$ -ciklodextrin zárványkomplexek előállítás és fizikai-kémiai vizsgálata, Congressus Pharmaceuticus Hungaricus XIII, Budapest, Abstract Book, Ungaria, pp.76-77, 2006.

**Vi26** Dehelean Cristina, Peev C., Dragan S., Dragomirescu A., Antal S., **Șoica C.**, Positive effects of birch tree leaves and buds polyphenols in topical formulations, Physiology, DKMT Euroregional Conference, Timisoara, Iunie, 16, 1, ISSN 1223-2076 pp. 62, 2006.

**Vi27** Borcan F., Soica C., Trandafirescu T., Ionescu D., Dehelean CA., Synthesis and evaluation of a polyurethane transdermal carrier used for betulin and betulinic acid, 14th Tetrahedron Symposium – Challenges in organic & bioorganic chemistry, 25-28 iunie 2013, Viena, Austria

#### **Vn. ARTICOLE/STUDII PUBLICATE ÎN VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE NAȚIONALE**

**Vn1** Dehelean Cristina A., C.M. Șoica, CI Peev, B Bumbacila, AT Gruia, In vitro analysis of lupan-type triterpenes and their efficacy/toxicity on MCF-7 cell lines, al XII-lea Congres International de Farmacologie, terapeutica si toxicologie clinica, Sibiu, ISSN 1844-6027, pp. 188-189, 2008.

**Vn2** Dehelean Cristina, Peev C., Cinta-Pinzaru S., **Șoica C.**, Tatu C, Antal D., Studii in vitro pe celule stem mezenchimale si celule leucemice a unui extract uscat de scoarta de mestecan, Sesiunea stiintifica jubiliara – 15 ani de cercetare comuna in domeniul plantelor medicinale intre Academia Romana si Ungara, Targu-Mures, pp. 170, 2007.

**Vn3** Dehelean Cristina, Cîmpean A., Tatu C., **Soica C.**, Ordodi V., Peev C., Teste in vitro și in vivo pentru evaluarea eficacității și toxicității acidului betulinic individual sau mixat cu PVP, Revista de Medicină și Farmacie UMF Tîrgu-Mureș, vol.53, ISSN 1221-2229, pp.88, 2007.

**Vn4** Dehelean Cristina A., Tatu C., Cinta-Pinzaru S., Peev C., **Soica C.**, Tanasie G., Anghel S., In vitro studies on mesenchymal stem cells of a dry birch tree bark extract, RSBMB International Meeting, Constanța, pp.82, Iunie 2006.

**Vn5** Dehelean Cristina, Tatu C., Cinta-Pinzaru S., Peev C., **Șoica C.**, Tanasie G., AnghelS., In vitro studies of a birch tree bark extract simple and included in cyclodextrins, Congresul National de Farmacie, ed. A XIII-a, Cluj-Napoca, pp. 156, sept 2006

**Vn6** **Șoica Codruța**, A. Gyeresi, Z. Aigner, M. Kata, Dehelean Cristina, The influence of polyvinylpyrrolidone on furosemide complexation with randomly-methylated-β-cyclodextrin, Congresul National de Farmacie, ed. A XIII-a, Cluj-Napoca, pp. 82, sept 2006.

**Vn7** Hegheș A., Dehelean Cristina, **Șoica C.**, Ghiran D., Hadaruga D., Ciubotariu D., Studii cantitative structură chimică-activitate biologică (QSAR) în seria 6-aminochinolonei cu

activitate antivirală, Zilele UMF Craiova ed. A XXXIV-a, 4-5 iunie 2004, Ed. Medicală Universitară, Craiova, ISBN 973-7757-15-7, 2004.

**Vn8** Dehelean Cristina, **Șoica C.**, Heghes A., Ardelean S., Nastase V., Toxicitatea cutanată a laurilsulfatului de sodiu la concentrația de 1% și 3% într-o bază de unguent U/A. Model experimental, Ziua Medicamentului Ed. a XIII-a, Iași, ISBN 973-7906-07-1, 2004

**Vn9** Dehelean Cristina, Dinte E., Dragomirescu A., **Șoica C.**, Nastase V., Skin toxicity of Na-lauryl sulphate in association with a vegetable oil or to a non-ionic surfactant, al III-lea Simpozion Internațional Noi resurse pentru industria farmaceutică, Constanta, Mai, pp.45, 2004.

#### **H. LUCRĂRI PREZENTATE LA DIFERITE SEMINARII/EXPOZIȚII**

**1.** Dehelean Cristina A., **Șoica C.M.**, Aigner Z., Preliminary physical-chemical and toxicological studies for pentacyclic triterpenes and oktakis (2,6 di-o-pentyl) gamma cyclodextrin as nanostructures, ECOMAT București, 2008.

**2.** Dehelean Cristina, **Șoica C.**, Dragomirescu A., Peev C., Interventii ale unor fitocompusi in terapia antitumorală de la nivel cutanat observate pe modele in vitro si in vivo, Simpozionul National de Farmacie "Farmacia astăzi, între cercetare și promovare", Timișoara, 2008

**3.** Dragomirescu A., Dehelean Cristina, **Șoica C.**, Peev C., Strategii antiaging in cosmetologia modernă, Simpozionul National de Farmacie "Farmacia astăzi, între cercetare și promovare", Timișoara, 2008.

**4.** **Șoica C.**, Dehelean Cristina, Rolul ciclodextrinelor in optimizarea biodisponibilitatii unor substante medicamentoase, Simpozionul National de Farmacie, "Farmacia astăzi, între cercetare și promovare", Timișoara, 2008.

**5.** Dehelean Cristina **Șoica C.**, Betulinic acid a new source of antitumour agent, Zilele Academice Timisene 2013.

**6.** Corina Danciu, Zupkó István, Camelia Peev, Ștefana Feflea, **Codruța Șoica**, Cristina Dehelean - Genistein-an antiproliferative phyto compound on different cancer cell lines.