

PERSONAL INFORMATION

Alexandra-Denisa Semenescu (born Scurtu)

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WORK EXPERIENCE

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|-----------------|--|
| 03/2025–Present | Lecturer
Department I, University Clinic Toxicology, Drug Industry, Management and Legislation
Faculty of Pharmacy, „Victor Babes” University of Medicine and Pharmacy Timisoara (Romania) |
| 05/2024–Present | Specialist Pharmacist
Clinical Pharmacy
County Emergency Hospital “Pius Brinzeu” Timisoara (Romania) |
| 09/2020–03/2025 | Assistant Professor
Department I, University Clinic Toxicology, Drug Industry, Management and Legislation
Faculty of Pharmacy, „Victor Babes” University of Medicine and Pharmacy Timisoara (Romania) |
| 02/2020–02/2023 | Resident Pharmacist
Clinical Pharmacy
County Emergency Hospital “Pius Brinzeu” Timisoara (Romania) |
| 10/2017–05/2019 | Volunteer - VADA Program
„Victor Babes” University of Medicine and Pharmacy, Discipline of Pharmacognosy, Timisoara (Romania) <ul style="list-style-type: none">▪ initiative and ability to respond positively to change▪ ability to work cooperatively and flexibly within a team▪ autonomy, discipline, perseverance in the learning process |
| 02/2019–08/2019 | Practice in pharmacy
Catena Hygeia Timisoara (Romania) |

EDUCATION AND TRAINING

- 10/2019–06/2024 **PhD**
Pharmacy – “Summa cum laude”
„Victor Babes” University of Medicine and Pharmacy Timisoara (Romania)
- 10/2019–06/2024 **Specialist Pharmacist**
Clinical Pharmacy
„Victor Babes” University of Medicine and Pharmacy Timisoara (Romania)
- 10/2022–07/2024 **Master's Degree**
Cosmetology and Dermopharmacy
„Victor Babes” University of Medicine and Pharmacy Timisoara (Romania)
- 11/2022–12/2022 **Certificate of graduation - Entrepreneurial skills**
SC ILBAH STUDIO SRL
București (România)
- 10/2020–07/2021 **Certificate of graduation of psycho-pedagogical studies for level I and II**
Department of Teacher Training
West University of Timisoara
- 09/2014–09/2019 **Pharmacist**
„Victor Babes” University of Medicine and Pharmacy Timisoara (Romania)
- 09/2010–06/2014 **Baccalaureate Degree**
"George Cosbuc" National College, Motru (Romania)

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
French	C1	C1	C1	C1
English	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

Communication skills Communication skills and relationship skills specific to teamwork acquired during volunteering and internships.

Ability for interdisciplinary collaboration acquired in scientific research projects.

Organizational / managerial skills

Organizational and leadership skills acquired in the Volunteer Program in the activity of academic development.

Digital skills

A very good command of Microsoft Office tools (Word, Excel, PowerPoint, Access).

Driving license

B

List of publications

I. Articles published in extenso in ISI Web of Knowledge indexed journals

Morariu-Briciu DM, Bolintineanu SL, Rata A, **Semenescu AD**, Anton A, Jijie R, Kis A, Hrubaru I, Heghes A. **Assessment of the biosafety profile of Galium verum in vitro on myoblasts and in ovo on chorioallantoic membrane.** World J Cardiol. 2025;17(2):102310. IF= 1.9.

Mederle AL, **Semenescu A**, Drăghici GA, Dehelean CA, Vlăduț N-V, Nica DV. **Sodium Butyrate: A Multifaceted Modulator in Colorectal Cancer Therapy.** Medicina. 2025; 61(1):136. IF=2.4.

Geamantan-Sîrbu A, **Semenescu A**, Moacă A, Susan R, Jijie R, Vlad C. 2024. **Phytochemical Screening and Preliminary Biological in Vitro Assessment of Camellia Sinensis L. Ethanolic Extract.** The Annals of the University Dunarea De Jos of Galati. Fascicle VI - Food Technology. 2024;48(1):163-77. IF=0.8.

Ruse G, Moaca EA, Tchiakpe-Antal DS, **Semenescu AD**, Vlase AM, Munteanu D, Ardelean F, Jojic AA, Voicu M, Cheveresan A*, Heghes A. **Evaluation of anti-melanoma, antibacterial and antioxidant effects of a phytochemically characterized water-soluble fraction from green coffee seeds.** Farmacia. 2024;72(6):1261-1272. <https://doi.org/10.31925/farmacia.2024.6.4>. IF=1.4.

Zakzak K, **Semenescu A-D**, Moacă E-A, Predescu I, Drăghici G, Vlaia L, Vlaia V, Borcan F, Dehelean C-A. **Comprehensive Biosafety Profile of Carbomer-Based Hydrogel Formulations Incorporating Phosphorus Derivatives.** Gels. 2024; 10(7):477. IF=5.

Dinu S, Matichescu A, Buzatu R, Marcovici I, Geamantan-Sirbu A, **Semenescu AD**, Bratu RC, Bratu D-C. **Insights into the Cytotoxicity and Irritant Potential of Chlorhexidine Digluconate: An In Vitro and In Ovo Safety Screening.** Dentistry Journal. 2024;12(7):221. <https://doi.org/10.3390/dj12070221>. IF=2.5.

Jojic A-A, **Semenescu A-D**, Predescu I, Draghici GA, Muntean D, Ardelean F, Ruse G, Gogulescu A, Soica I, Heghes A, Tchiakpe-Antal D-S. **Juniperi galbulus: screening of phytochemicals and bioactivity investigation of the aqueous extract.** FARMACIA, 2024;72;(4):934-945. <https://doi.org/10.31925/farmacia.2024.4.22>. IF=1.4.

Sarău OS, Moacă E-A, **Semenescu A-D**, Dumitru R, Jijie A-R, Poenaru M, Dehelean C-A, Chevereșan A. **Physicochemical and Toxicological Screening of Silver Nanoparticle Biosynthesis from Punica granatum Peel Extract.** Inorganics. 2024; 12(6):160. IF =3.1.

Dinu S, Olteanu ND, Matichescu A, Zetu IN, Szuhaneck C, Geamantan A, **Semenescu A-D**, Anton A, Buzatu R. **In vitro biocompatibility and in ovo irritant potential screening of two clear aligners with orthodontic applications.** FARMACIA, 2024;72(3):513-520. <https://doi.org/10.31925/farmacia.2024.3.5>. IF =1.4.

Zakzak Khaled, Vlaia L, **Semenescu AD***, Dumitrescu C, Coneac G, Kis AM, Moaca A, Vlaia V, Iurciuc S, Stefanescu EH. **In vitro study of topical caffeine and ascorbyl magnesium phosphate formulations – preparation, physicochemical characterization and pharmaco-toxicological assessment.** FARMACIA, 2024;72(2):381-396. <https://doi.org/10.31925/farmacia.2024.2.16>. IF =1.4.

Semenescu A-D, Moacă E-A, Iftode A, Dehelean C-A, Tchiakpe-Antal D-S, Vlase L, Vlase A-M, Muntean D, Chioibaş R. Phytochemical and Nutraceutical Screening of Ethanol and Ethyl Acetate Phases of Romanian Galium verum Herba (Rubiaceae). Molecules. 2023; 28(23):7804. <https://doi.org/10.3390/molecules28237804>. IF=4.6.

Semenescu A-D, Moacă E-A, Iftode A, Dehelean C-A, Tchiakpe-Antal D-S, Vlase L, Rotunjanu S, Muntean D, Chiriac SD, Chioibaş R. Recent Updates Regarding the Antiproliferative Activity of Galium verum Extracts on A375 Human Malignant Melanoma Cell Line. Life. 2024; 14(1):112. <https://doi.org/10.3390/life14010112> IF=3.2.

Semenescu A-D, Moacă E-A, Chioibaş R, Iftode A, Tchiakpe-Antal D-S, Vlase L, Vlase A-M, Muntean D, Dehelean C-A. Phytochemical and biological screening of aqueous Galium verum L. extract. Annals of the University Dunarea de Jos of Galati. Fascicle VI – Food Technology. 2023; 47(2): 172-189. <https://doi.org/10.35219/foodtechnology.2023.2.11>. IF=1.

Semenescu A-D, Moacă E-A, Chioibaş R, Iftode A, Tchiakpe-Antal D-S, Vlase L, Vlase A-M, Muntean D, Dehelean C-A. Galium verum L. petroleum ether extract – antitumor potential on human melanoma cells. Ovidius University Annals of Chemistry. 2023; 34(2):140-149. <https://doi.org/10.2478/auoc-2023-0018>. IF=0.9.

Fiat F, Arnautu D-A, Bernad BC, Anton A, Marcovici I, Semenescu A-D, Bernad ES. Retrospective Study of the Use of Heparins in Pregnant Women and in vitro Testing on the HCT 116 Colorectal Carcinoma Cell Line. Journal of Critical Care Medicine. 2024. <https://doi.org/10.2478/jccm-2024-0009>. IF=1.1.

Ilia I, Chioran D, Radu D, Chioibas R, Ionita I, Marian C, Semenescu A, Racea RC, Popovici R, Dinu Stefania, Ravis M, Iftode A. In vitro assessment of two types of hyaluronic acid's antitumor potential in osteosarcoma cells. FARMACIA, 2023, Vol. 71, 5. <https://doi.org/10.31925/farmacia.2023.5.9>. IF =1.6

Fiat F, Niculescu B, Roi A, Ravis M, Anton A, Marcovici I, Semenescu A-D, Vlad D, Delcea C, Bernad E, Iovanescu G. In vitro characterization of the cytotoxic profile of lidocaine on A-375 cutaneous melanoma cells and HaCaT keratinocytes. FARMACIA, 2023, Vol. 71, 4. <https://doi.org/10.31925/farmacia.2023.4.23>. IF =1.6

Lombrea A, Semenescu AD, Magyari-Pavel IZ, Turks M, Luginina J, Peipinş U, Muntean D, Dehelean CA, Dinu S, Danciu C. Comparison of In Vitro Antimelanoma and Antimicrobial Activity of 2,3-Indolo-betulinic Acid and Its Glycine Conjugates. Plants (Basel). 2023 Mar 9;12(6):1253. doi: 10.3390/plants12061253. PMID: 36986941; PMCID: PMC10058300, IF =4.5

Nistor G, Mioc A, Mioc M, Balan-Porcarasu M, Ghiulai R, Racoviceanu R, Avram Ş, Prodea A, Semenescu A, Milan A, Dehelean C, Şoica C. Novel Semisynthetic Betulinic Acid-Triazole Hybrids with In Vitro Antiproliferative Potential. Processes. 2023; 11(1):101. IF =3.5

Predut D, Semenescu AD#, Manea A*, Dinu S, Popovici R, Jivanescu A. Cytotoxicity assessment of liposomes loaded with biologically active substances on oral tumour cells. FARMACIA, 2022, Vol. 70, 6. <https://doi.org/10.31925/farmacia.2022.6.11> , IF =1.6

Nistor G, Mioc M, Mioc A, Balan-Porcarasu M, Racoviceanu R, Prodea A, Milan A, Ghiulai R, Semenescu A, Dehelean C, Şoica C. The C30-Modulation of Betulinic Acid Using 1,2,4-Triazole: A Promising Strategy for Increasing Its Antimelanoma Cytotoxic Potential. Molecules. 2022; 27(22):7807. <https://doi.org/10.3390/molecules27227807> , IF =4.6

Ghiulai R, Mioc A, Racoviceanu R, Mioc M, Milan A, Prodea A, Semenescu A, Dehelean C, Barbu Tudoran L, Avram Ş, Trandafirescu C, Şoica C. The Anti-Melanoma Effect of Betulinic Acid Functionalized Gold Nanoparticles: A Mechanistic In Vitro Approach. Pharmaceuticals. 2022; 15(11):1362. <https://doi.org/10.3390/ph15111362>, IF=4.6

Moacă E-A, Socoliuc V, Stoian D, Watz C, Flondor D, Păcurariu C, Ianoş R, Rus CI, Barbu-Tudoran L, Semenescu A, Sarău C, Chevereşan A, Dehelean CA. Synthesis and Characterization of Bioactive Magnetic Nanoparticles from the Perspective of Hyperthermia Applications. Magnetochemistry. 2022; 8(11):145. <https://doi.org/10.3390/magnetochemistry8110145>, IF=2.7

Damian LR, Dumitrescu R, Alexa VT, Focht D, Schwartz C, Balean O, Jumanca D, Obistioiu D, Lalescu D, Stefaniga SA, Berbecea A, Fratila AD, Scurtu AD, Galuscan A. Impact of Dentistry Materials on Chemical Remineralisation/Infiltration versus Salivary Remineralisation of Enamel-In Vitro Study. Materials (Basel). 2022 Oct 17;15(20):7258. doi: 10.3390/ma15207258. PMID: 36295323; PMCID: PMC9612028, IF=3.4

Dehelean CA, Coricovac D, Pinzaru I, Marcovici I, Macasoi IG, **Semenescu A**, Lazar G, Cinta Pinzaru S, Radulov I, Alexa E, Cretu O. **Rutin bioconjugates as potential nutraceutical prodrugs: An in vitro and in ovo toxicological screening.** Front Pharmacol. 2022 Sep 23;13:1000608. doi: 10.3389/fphar.2022.1000608. PMID: 36210849; PMCID: PMC9538480, **IF=5.6**

Anton A, Moaca EA, Sarau CA, Dinu S, **Semenescu AD**, Macasoi IG, Dehelean CA. **Antioxidant and in vitro cytotoxic activity of commercial lemongrass, sea buckthorn and basil essential oils, against colorectal cancer cell line HCT 116.** Farmacia. 2022; 70(4):683-689. doi: 10.31925/farmacia.2022.4.14, **IF=1.6**

Fiat F, Merghes PE, **Scurtu AD***, Almajan Guta B, Dehelean CA, Varan N, Bernad E. **The Main Changes in Pregnancy-Therapeutic Approach to Musculoskeletal Pain.** Medicina (Kaunas). 2022 Aug 17;58(8):1115. doi: 10.3390/medicina58081115. PMID: 36013582; PMCID: PMC9414568, **IF=2.6**

Buda V, Prelipcean A, Cozma D, Man DE, Negres S, **Scurtu A**, Suciuc M, Andor M, Danciu C, Crisan S, Dehelean CA, Petrescu L, Rachieru C. **An Up-to-Date Article Regarding Particularities of Drug Treatment in Patients with Chronic Heart Failure.** J Clin Med. 2022 Apr 4;11(7):2020. doi: 10.3390/jcm11072020. PMID: 35407628; PMCID: PMC8999552, **IF=3.9**

Tanase A, Manea A, **Scurtu AD***, Bratu LM, Chioran D, Dolghi A, Alexoi I, AAbed H, Lazureanu V, Dehelean CA. **The "Invisible Enemy" SARS-CoV-2: Viral Spread and Drug Treatment.** Medicina (Kaunas). 2022 Feb 10;58(2):261. doi: 10.3390/medicina58020261. PMID: 35208584; PMCID: PMC8875987, **IF=2.6**

Niculescu Talpoș IC, Rumel RC, **Scurtu AD**, Dinu Ș, Miron MI, Preduț AD, Cosoroabă RM, Popovici RA, Raica M. **Oral squamous cell carcinomas: a histopathological review of multiple cases from Western Romania.** Rom J Morphol Embryol. 2021 Oct-Dec;62(4):929-937. doi: 10.47162/RJME.62.4.05. PMID: 35673812; PMCID: PMC9289717, **IF=0.833**

Floare AD, **Scurtu AD***, Balean OI, Chioran D, Buzatu R, Sava Rosianu R, Alexa VT, Jumanca D, Rusu L-C, Racea RC, Coricovac D, Pinzaru I, Dehelean CA, Galuscan A. **The Biological Effects of Ozone Gas on Soft and Hard Dental Tissues and the Impact on Human Gingival Fibroblasts and Gingival Keratinocytes.** Processes. 2021; 9(11):1978. <https://doi.org/10.3390/pr9111978>, **IF=3.352**

Milutinovic R-A, Chioran D, Buzatu R, Macasoi I, Razvan S, Chioibas R, Corlan IV, Tanase A, Calniceanu H, Popovici RA, Dinu S, Dehelean C, **Scurtu A**, Pinzaru I, Soica C. **Vegetal Compounds as Sources of Prophylactic and Therapeutic Agents in Dentistry.** Plants. 2021; 10(10):2148. <https://doi.org/10.3390/plants10102148>, **IF=4.658**

Pancu DF, **Scurtu A**, Macasoi IG, Marti D, Mioc M, Soica C, Coricovac D, Horhat D, Poenaru M, Dehelean C. **Conventional Therapy and Natural Compounds with Antibacterial Activity—A Pharmacotoxicological Screening.** Antibiotics 2021, 10(4), 401; doi:10.3390/antibiotics10040401, **IF=5.222**

Lombrea A, **Scurtu AD***, Avram S, Pavel IZ, Turks M, Luginina J, Peipinș U, Dehelean CA, Soica C, Danciu C. **Anticancer Potential of Betulonic Acid Derivatives.** Int. J. Mol. Sci. 2021, 22, 3676. <https://doi.org/10.3390/ijms22073676>, **IF=6.208**

II. Articles published in extenso in CNCSIS B/B+ indexed journals (BDI)

Boroza F, **Semenescu AD***, Sas I, Bernad E, Iftode A, Iftode C, Susan M, Radu D. **Retrospective study of the factors involved in the development of adenomyosis and the in vitro link between adenomyosis and breast cancer.** Medicine and Pharmacy Reports. 2024;97(4):477-8.

Rednic R, **Semenescu AD***, Bociort F, Grosu C, Kiș A, Tomescu MC. A detailed study on the antitumor effects of consecrated drugs – digoxin and labetalol. Medicine in evolution. Volume, XXVIII, 4, 2022, ISSN 2065-376X.

Marin A, **Semenescu AD***, Dinu S, Poenaru M. **Bacteria, biofilm and cholesteatoma – perspectives of innovative therapeutic approaches.** Medicine in evolution. Volume XXVIII, Nr. 3, 2022, Timisoara, Romania.

Ghiță A, Avram S, Pavel IZ, **Scurtu A-D**, Minda D, Danciu C, Tigmeanu CV. **Evaluation of the cytotoxic and anti-angiogenic potential of flavone apigenin using the B16A5 mouse melanoma cell line.** Medicine in evolution. Volume

Minda D, Avram S, Pavel IZ, Kis B, Ghitu A, Zupko I, Dehelean C, Buda V, Diaconeasa Z, **Scurtu A**, Alexa V, Danciu C. **An in vitro Evaluation of Apigenin and Apigenin-7-O-glucoside Against HeLa Human Cervical Cancer Cell Line.** *Rev Chim.* 2020 Mar.

III. Articles published in abstract in ISI Web of Knowledge indexed journals

Alexandra Denisa Semenescu, Elena Alina Moaca, Claudia Watz, Alina Anton, Andreea Geamantan, Andreea Mihaela Kis, Cristina Dumitrescu, Raul Chioibas, Cristina Adriana Dehelean. **Phytochemical characterization and in vitro assessment of Galium mollugo L. extract on murine melanoma cells.** Abstracts of the 58th congress of the European Societies of Toxicology (EUROTOX 2024) TOXICOLOGY–A QUEST FOR SAFER CHEMICALS AND MEDICINES. Copenhagen, Denmark, 8 –11 September 2024. IF=2.9.

Andreea Geamantan, **Alexandra Denisa Semenescu**, Alina Elena Moaca, Iasmina Marcovici, Alina Anton, Cristina Adriana Dehelean. **In vitro assesment of the safety profile of caffeine and magnesium ascorbyl phosphat incorporated in HPMC on human keratinocytes.** Abstracts of the 58th congress of the European Societies of Toxicology (EUROTOX 2024) TOXICOLOGY–A QUEST FOR SAFER CHEMICALS AND MEDICINES. Copenhagen, Denmark, 8 –11 September 2024. IF=2.9.

Alina Elena Moaca, Iasmina Marcovici, **Alexandra Denisa Semenescu**, Alex Robert Jijie, T. Mateescu, Claudia Geanina Watz, George Andrei Drăghici, Daniela Flondor, Cristian Oancea, Cristina Adriana Dehelean. **Biologic impact of green solid-lipid nanoparticles on bronchial 3D human reconstructed tissue.** Abstracts of the 58th congress of the European Societies of Toxicology (EUROTOX 2024) TOXICOLOGY–A QUEST FOR SAFER CHEMICALS AND MEDICINES. Copenhagen, Denmark, 8 –11 September 2024. IF=2.9.

Alexandra Denisa Semenescu, Elena Alina Moaca, Laurian Vlase, Ana-Maria Vlase, Cristina Adriana Dehelean. **Physicochemical screening and preliminary in vitro assessment of Galium verum L. alcoholic extract.** Meeting 57th Congress of the European-Societies-of-Toxicology (EUROTOX), Meeting Abstract P16-50, Ljubljana, SLOVENIA, SEP 10-13, 2023. TOXICOLOGY LETTERS. 384(1):S200-S200. IF=3.5.

Alina Anton, George Andrei Draghici, **Alexandra Denisa Semenescu**, Cristina Adriana Dehelean. **The in vivo Biological Activity of Cymbopogon citratus Essential Oil on Human Colorectal Carcinoma.** Meeting 57th Congress of the European-Societies-of-Toxicology (EUROTOX), Meeting Abstract P12-02, Ljubljana, SLOVENIA, SEP 10-13, 2023. TOXICOLOGY LETTERS. 384(1):S159-S159. IF=3.5.

Alexandra Denisa Semenescu, Iulia Pinzaru, Cristina Dehelean. **Cytotoxicity assessment of Galium verum extracts on human melanoma cells.** Meeting 89th Annual Meeting of the German-Society-for-Experimental-and-Clinical-Pharmacology-and-Toxicology (DGPT) / 8th German Pharm-Tox Summit – Poster presentation – P156, pag 63. 8 th German Pharm-Tox Summit 2023, 6–9 March 2023, Ulm, Germany. NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY. 396(1):S63-S63. IF=3.6.

IV. Articles published in summary in volumes of Romanian summaries with ISBN

Alexandra Denisa Semenescu, Alina Moaca, Iulia Pinzaru, Cristina Adriana Dehelean. **Cytotoxicity Assessment of Galium verum Extract in Melanoma**, pag 8. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2022-0494, Implementarea de tehnici moderne pentru dezvoltarea continuă a bazei de practică în domeniul produselor vegetale medicinale a “UMF Victor Babeș” din Timișoara. Editura Victor Babes, Timisoara, 2023, ISBN 978-606-786-300-0.

Alexandra Denisa Semenescu, Alina Moaca, Cristina Adriana Dehelean. **Green Synthesis of Gold Nanoparticles Using Galium Sp. Extract -Promising Candidates in Melanoma**, pag 10. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2022-0494, Implementarea de tehnici moderne pentru dezvoltarea continuă a bazei de practică în domeniul produselor vegetale medicinale a “UMF Victor Babeș” din Timișoara. Editura Victor Babes, Timisoara, 2023, ISBN 978-606-786-300-0.

Elena-Alina Moacă, Claudia-Geanina Watz, Daniela Flondor, **Alexandra Semenescu**, Daliana Minda, Sergio Liga, George-Andrei Drăghici, Andrada Iftode, Cristina-Adriana Dehelean. **In Vitro Biologic Impact of Green Synthesized Magnetic**

Nanoparticles on Two Different Lung 2D Tumorigenic Cell Lines, pag 11. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2022-0494, Implementarea de tehnici moderne pentru dezvoltarea continuă a bazei de practică în domeniul produselor vegetale medicinale a "UMF Victor Babeș" din Timișoara. Editura Victor Babes, Timisoara, 2023, ISBN 978-606-786-300-0.

Claudia Geanina Watz, Elena-Alina Moacă, Alexandra-Corina Faur, **Alexandra Semenescu**, Cristina Adriana Dehelean. **Acute Biosafety Screening of Plant-Mediated Magnetic Nanoparticles on 3D Epiairwaytm Microtissues**, pag 13. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2022-0494, Implementarea de tehnici moderne pentru dezvoltarea continuă a bazei de practică în domeniul produselor vegetale medicinale a "UMF Victor Babeș" din Timișoara. Editura Victor Babes, Timisoara, 2023, ISBN 978-606-786-300-0.

Elena-Alina Moacă, Claudia-Geanina Watz, Daniela Flondor, **Alexandra Semenescu**, Sergio Liga, Vlad Socoliuc, George-Andrei Drăghici, Andrada Iftode, Cristina-Adriana Dehelean. **Bioactive Magnetic Nanoparticles—A Suitable Tool for Hyperthermia Applications**, pag 14. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2022-0494, Implementarea de tehnici moderne pentru dezvoltarea continuă a bazei de practică în domeniul produselor vegetale medicinale a "UMF Victor Babeș" din Timișoara. Editura Victor Babes, Timisoara, 2023, ISBN 978-606-786-300-0.

Adelina Lombrea, **Alexandra-Denisa Semenescu**, Ioana Zinuca Magyari-Pave, Măris Turks, Jevgenija Luginina, Uldis Peipinš, Delia Muntean, Minda Daliana, Cristina Adriana Dehelean, Codruta Soica, Corina Danciu. **Antimelanoma and Antimicrobial Activities of 2,3-Indolo-betulinic Acid and its Glycine Derivatives**, pag 18. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2022-0494, Implementarea de tehnici moderne pentru dezvoltarea continuă a bazei de practică în domeniul produselor vegetale medicinale a "UMF Victor Babeș" din Timișoara. Editura Victor Babes, Timisoara, 2023, ISBN 978-606-786-300-0.

Mihaela Bota, **Alexandra Denisa Semenescu**, Lavinia Vlaia. **Role of Coriandrum sativum L. Extract in the Management of Diabetes mellitus**, pag 22. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2022-0494, Implementarea de tehnici moderne pentru dezvoltarea continuă a bazei de practică în domeniul produselor vegetale medicinale a "UMF Victor Babeș" din Timișoara. Editura Victor Babes, Timisoara, 2023, ISBN 978-606-786-300-0.

Daniel Breban-Schwarzkopf, **Alexandra Denisa Semenescu**, Camelia Szuhanek. **The Benefits of Commiphora molmol in the Dental Field - Oral Cancer**, pag 23. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2022-0494, Implementarea de tehnici moderne pentru dezvoltarea continuă a bazei de practică în domeniul produselor vegetale medicinale a "UMF Victor Babeș" din Timișoara. Editura Victor Babes, Timisoara, 2023, ISBN 978-606-786-300-0.

Alexandra Denisa (Scurtu) Semenescu, Cristina Adriana Dehelean. **Pharmacological activities of Galium species**. pag 34, Rezumate manifestări în cadrul proiectului CNFIS-FDI-2021-0498, Plante medicinale între natură și sănătate (Plants between nature and health), Editura Victor Babes, Timisoara, 2021, ISBN 978-606-786-253-9

Alexandra Denisa (Scurtu) Semenescu, Cristina Adriana Dehelean. **Identification of bioactive compounds of Galium species**. pag 29, Rezumate manifestări în cadrul proiectului CNFIS-FDI-2021-0498, Plante medicinale între natură și sănătate (Plants between nature and health), Editura Victor Babes, Timisoara, 2021, ISBN 978-606-786-253-9

Elena-Alina Moaca, Claudia-Geanina Watz, **Alexandra-Denisa Scurtu**, Daniela Flondor (Ionescu), Dan Dragos, George-Andrei Draghici, Cristina-Adriana Dehelean. **Betulinic acid – conjugated magnetic nanoparticles. Design of a potential theranostic nanoplatform**. pag 9, Rezumate manifestări în cadrul proiectului CNFIS-FDI-2021-0498, Plante medicinale între natură și sănătate (Plants between nature and health), Editura Victor Babes, Timisoara, 2021, ISBN 978-606-786-253-9

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Ioana Zinuca Pavel, Oana Maria Aburel, Corina Danciu, Stefana Avram, Elena Alina Moaaă, **Alexandra Denisa Scurtu**, Rene Csuk, Danina M. Muntean, Cristina Adriana Dehelean. **Assessment of the effects of a benzylamide derivative of maslinic acid on cellular bioenergetics in A375 human melanoma cells**. Books of Abstracts - Poster presentation, pag 63, XIII National Congress of Romanian Society of Physiology, October 22-24, 2020, Targu Mures, Romania

Corina Danciu, Alexa Ersilia, Avram Stefana, Pavel Ioana Zinuca, Minda Daliana, Buda Valentina, Muntean Delia, **Scurtu Alexandra**, Dehelean Cristina. **Phytochemical composition, antioxidant, antimicrobial and anticancer potential of *Oenothera biennis* L. hydroalcoholic extract against A375 human melanoma cell line**. Books of Abstracts – Poster presentation – PP 37, pag 157, 4th International Conference on Natural Products Utilization: From Plants to Pharmacy Shelf, 29 may-1 june, 2019, Albena Resort, Bulgaria

Smart Diaspora International Conference 2023. Diaspora in higher education, science, innovation and entrepreneurship. Workshop: "Recent research on the morpho-functional assessment of chronic diseases and modern, personalized treatments in evidence-based medicine". April 10-13, 2023, Timisoara.

1st International Summer School of Medicinal Plant Pharmacology-Toxicology 2018 with the presentation: „How to make a plant extract?”

Scientific session: Students and research 2018 with the presentation: „Phytochemical analysis and evaluation of the antiproliferative potential on the human breast cancer cell line MCF-7 of the alcoholic extract obtained from the species *Petroselinum crispum* (Mill.) Fuss”.

VI. Research projects and grants

ERASMUS KA220-HED project: Cooperation partnerships in higher education, contract no. 2022-1-RO01-KA220-HED000088958, University in Osijek, Croatia

CNFIS-FDI-2023-F-0448. Title: Increasing the multifunctionality of the practice base in the field of medicinal plant products through interdisciplinary innovation with transposition into the digital sphere, carried out between March and December 2023, project director – conf. univ. dr. Iulia Pinzaru

CNFIS-FDI-2022-0484. Title: The implementation of modern techniques for the continuous development of the practice base in the field of medicinal plant products of UMF "Victor Babeş" from Timişoara, carried out between April and December 2022, project director – prof. univ. dr. Cristina Adriana Dehelean

ERASMUS K2 project: Cooperation on innovation and exchange of good practice in the hypoglycemia diet for people with diabetes, contract no. 2019-1-RO01-KA203-063499, University of Calabria, Italy

Doctoral grant with doctoral scholarship: Experimental pharmacotoxicological evaluations of *Galium verum* L. and *Galium mollugo* L. species in skin cancer. Acronym: GHE, 2019.