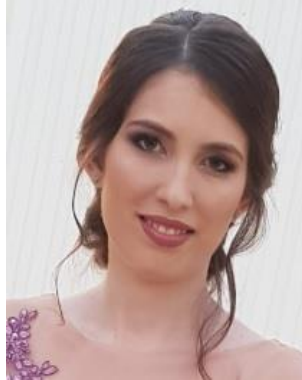


PERSONAL INFORMATION

Alexandra-Denisa Semenescu (born Scurtu)

✉ alexandra.scurtu@umft.ro

WORK EXPERIENCE

- 09/2020–Present **Assistant Professor**
Department II, Discipline of Toxicology, Drug Industry, Management and Legislation
Faculty of Pharmacy, „Victor Babes” University of Medicine and Pharmacy Timisoara (Romania)
- 02/2020–Present **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)
- 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

- 10/2022–Present **Graduate Student**
Cosmetology and Dermopharmacy
„Victor Babes” University of Medicine and Pharmacy Timisoara (Romania)

- 10/2020–07/2021 **Certificate of graduation of psycho-pedagogical studies for level I and II**
 Department of Teacher Training
 West University of Timisoara
- 10/2019–Present **PhD Student**
 Pharmacy
 „Victor Babes” University of Medicine and Pharmacy Timisoara (Romania)
- 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	
English	B2	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).

List of publications

Articles in ISI indexed journals:

Ghiulai R, Mioc A, Racoviceanu R, Mioc M, Milan A, Prodea A, **Semenescu A**, Dehelean C, Barbu Tudoran L, Avram Ș, Trandafirescu C, Șoica 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>

Moacă E-A, Socoliuc V, Stoian D, Watz C, Flondor D, Păcurariu C, Ianoș R, Rus CI, Barbu-Tudoran L, **Semenescu A**, Sarău C, Chevereșan 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>

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.

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.

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.

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.

Buda V, Prelipcean A, Cozma D, Man DE, Negres S, **Scurtu A**, Suci 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.

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.

Alin Daniel Floare, **Alexandra Denisa Scurtu***, Octavia Iulia Balean, Doina Chioran, Roxana Buzatu, Ruxandra Sava Rosianu, Vlad Tiberiu Alexa, Daniela Jumanca, Laura-Cristina Rusu, Robert Cosmin Racea, Dorina Coricovac, Iulia Pinzaru, Cristina Adriana Dehelean, Atena Galuscan. **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>

Raluca-Adriana Milutinovici, Doina Chioran, Roxana Buzatu, Ioana Macasoi, Susan Razvan, Raul Chioibas, Ion V. Corlan, Alina Tanase, Horia Calniceanu, Ramona Amina Popovici, Stefania Dinu, Cristina Dehelean, **Alexandra Scurtu**, Iulia Pinzaru, Codruta Soica. **Vegetal Compounds as Sources of Prophylactic and Therapeutic Agents in Dentistry**. *Plants*. 2021; 10(10):2148. <https://doi.org/10.3390/plants10102148>

Daniel Florin Pancu, **Alexandra Scurtu**, Ioana Gabriela Macasoi, Daniela Marti, Marius Mioc, Codruta Soica, Dorina Coricovac, Delia Horhat, Marioara Poenaru, Cristina Dehelean. **Conventional Therapy and Natural Compounds with Antibacterial Activity—A Pharmacological-Toxicological Screening**. *Antibiotics* 2021, 10(4), 401; doi:10.3390/antibiotics10040401

Adelina Lombrea, **Alexandra Denisa Scurtu***, Stefana Avram, Ioana Zinuca Pavel, Māris Turks, Jevgenija Lugiņina, Uldis Peipiņš, Cristina Adriana Dehelean, Codruța Soica, Corina Danciu. **Anticancer Potential of Betulonic Acid Derivatives**. *Int. J. Mol. Sci.* 2021, 22, 3676. <https://doi.org/10.3390/ijms22073676>

Daliana Minda, Stefana Avram, Ioana Zinuca Pavel, Brigitta Kis, Alexandra Ghitu, Istvan Zupko, Cristina Dehelean, Valentina Buda, Zorita Diaconeasa, **Alexandra Scurtu**, Alexa Vlad, Corina Danciu. **An in vitro Evaluation of Apigenin and Apigenin-7-O-glucoside Against HeLa Human Cervical Cancer Cell Line**. Rev Chim. 2020 Mar

Articles in BDI indexed journals:

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.

Alexandra Ghițu, Ștefana Avram, Ioana Zinuca Pavel, **Alexandra-Denisa Scurtu**, Daliana Minda, Corina Danciu, Codruța Viorica Tigmeanu. **Evaluation of the cytotoxic and anti-angiogenic potential of flavone apigenin using the B164A5 mouse melanoma cell line**. Medicine in evolution. Volume XXVI, Nr. 3, 2020, Timișoara, Romania ISSN 2065-376X , p288-296

Papers in conference volumes

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

Alexandra Denisa Scurtu, Dorina Coricovac, Cristina Adriana Dehelean. **The anticancer potential of Galium species extracts**. pag 34, Rezumate manifestări în cadrul proiectului CNFIS-FDI-2019-0393, Aplicații ale metodelor experimentale în analiza produselor cosmetice cu principii active (Applications of experimental methods in the analysis of cosmetics based on active ingredients), Editura Victor Babes, Timisoara, 2020, ISBN 978-606-786-156-3

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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

Ioana Zinuca Pavel, Stefana Avram, Daliana Minda, Cristina Adriana Dehelean, Germaine Săvoiu, **Alexandra Denisa Scurtu**, Corina Danciu. **Evaluation of Theobroma cacao L. extract on A375 human melanoma cell line**. pag 27, Volum de rezumate editat în cadrul manifestărilor științifice derulate în baza proiectului CNFIS-FDI-2019-0393, Produsele dermo-cosmetice ca formulare. Testarea siguranței produselor cosmetice (Dermo-cosmetic products as formulations. Safety testing of cosmetic products), Editura Victor Babes, Timisoara, 2020, ISBN 978-606-786-155-6

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

Participation in international and national scientific events:

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

1st International Summer School of Medicinal Plant Pharmacology-Toxicology 2018 with the paper: „Cum se realizează un extract vegetal?”

Scientific session: Students and research 2018 with the paper: „Analiza fitochimică și evaluarea potențialului antiproliferativ asupra liniei celulare de cancer de sân uman MCF-7 a extractului alcoolic obținut de la specia *Petroselinum crispum* (Mill.) Fuss”.