

PERSONAL INFORMATION

Diana-Simona ANTAL



 „Victor Babeş” University of Medicine and Pharmacy Timișoara, 2 E. Murgu Square, 300041 Timișoara, Romania

 diana.antal@umft.ro

WORK EXPERIENCE

2018 **Habilitation in the field of Pharmacy**
 (OM 3829/4.06.2018)

2015-present **2015 - present – Professor of Pharmaceutical Botany at the “Victor Babeş” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy**

2, E. Murgu Square, Timișoara, Romania

Main activities and responsibilities

- Lectures and laboratory practice for students of the study programs Pharmacy - Romanian and French, Pharmacy assistance, UMFVBT Master's programs
- Coordination of Bachelor's and Dissertation theses
- Coordination of PhD theses (since 2020)
- Preparation of the Internal assessment report of the study program Pharmacy - French language, for the accreditation by the Romanian Agency for Quality Assurance in Higher Education (2017)
- Preparation of the Internal assessment report of the doctoral university studies, field of Pharmacy, for the accreditation by the Romanian Agency for Quality Assurance in Higher Education (2021)
- Research activities
- Member in the Commission for the recognition of ECTS credits and transfers
- Member in various Commissions evaluating candidates for teaching positions (assistants, lecturers, professors - at the UMFVBT and other Romanian universities)
- Coordination of the activities of the Discipline of Botanical Pharmacy

2008-2015 **Lecturer of Pharmaceutical Botany**

2007- 2008 **Researcher at the Institute for Pharmacy/Pharmacognosy in Innsbruck (Austria)** within the framework of - FWF Grant P18379: Inhibitors of acetylcholinesterase from plants

Institut für Pharmazie/Pharmakognosie, Leopold-Franzens Universität Innsbruck, Innrain 52, 6020 Innsbruck, Austria

Main activities and responsibilities

Phytochemical analysis of plant extracts with acetylcholinesterase inhibitory activity; isolation of active compounds, their chemical structure using spectroscopic methods (RMN 1D and 2D, LC-MS)

2006-2007 **Lecturer of Pharmaceutical Botany**

“Victor Babeş” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy, 2 E. Murgu Square, Timișoara, Romania

Main activities and responsibilities

- Laboratory practice of Pharmaceutical Botany
- Lectures of Pharmaceutical Botany and Introduction to research and scientific documentation (Romanian and French languages)

- Coordination of Bachelor theses

2004-2006 **University Assistant at the Discipline of Pharmaceutical Botany**
“Victor Babeş” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy, 2 E. Murgu Square, Timișoara, Romania

Main activities and responsibilities

- Teaching laboratory practice of Pharmaceutical Botany (Romanian and French languages)

2001–2004 **Associate instructor at the Discipline of Pharmaceutical Botany**
“Victor Babeş” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy, 2 E. Murgu Square, Timișoara, Romania

Main activities and responsibilities

- Teaching laboratory practice of Pharmaceutical Botany (Romanian and French languages)

2000-2001 **Pharmacy Intern at the Timisoara County Hospital 1 - “Bega” Pharmacy**
„Bega” Pharmacy, 12 Dr. Victor Babeş Street, Timișoara, Romania

Main activities and responsibilities

- Preparation of pharmaceuticals for hospitalized patients according to medical prescriptions

EDUCATION AND TRAINING

2013-2015 **Psycho-pedagogical studies (Levels I and II)**

West University of Timisoara

Main subjects covered or skills acquired

- Teaching methods

2014-2015 **Master’s Degree in “Formulation and Evaluation of the Dermato-Cosmetic Product”**

“Victor Babeş” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy, 2 E. Murgu Square, Timișoara, Romania

Main subjects covered or skills acquired

- Ingredients and formulation of dermato-cosmetic products; skin pathophysiology

2012-2013 **Diplôme universitaire de Nutrition, Diététique et Santé**

Faculté de Pharmacie de Marseille, Université de la Méditerranée Aix-Marseille II, Marseille, France

Main subjects covered or skills acquired

- Nutritional therapy of various pathologies, Pediatric nutrition, Micronutrition

2002-2005 **PhD Studies - Doctor in Pharmacy**

University of Medicine and Pharmacy Târgu Mureș, Romania

Main subjects covered or skills acquired

- Analysis of mineral elements content of medicinal plants
- Mapping of main medicinal plants growing in Western Romania (Aninei Mountains)

2002-2004 **Internship in General Pharmacy – degree as a Specialist Pharmacist in General Pharmacy (Nr. VIII (d) MC/5254/2005)**

“Victor Babeş” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy, 2 E. Murgu Square, Timișoara, Romania

Main subjects covered or skills acquired

- Pharmacology, Pharmaceutical Technology, Medical Informatics

1995-2000 **Bachelor's Studies in Pharmacy – Degree of Pharmacist**
 “Victor Babeş” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy, 2 E. Murgu Square, Timișoara, Romania

Main subjects covered or skills acquired

- Acquisition of theoretical and practical knowledge of a pharmacist

1991-1995 **High School – Nikolaus Lenau High School Timisoara**

Main subjects covered or skills acquired

- Chemistry – Biology profile (studies in German language)

PERSONAL SKILLS

Spoken languages German (German Language Certificate of the Education Ministers Conference, DSD II), French (Diploma in Advanced French Language DALF C2), English (Cambridge C1)

Organisational / managerial skills Head of the Department of Pharmaceutical Botany - coordination of PhD thesis, Master's dissertations, Bachelor theses, lectures for students, planning and management of research projects

Digital competence Good command of Windows, Word, Excel, MestRec

Driver's licence B category

ADDITIONAL INFORMATION

Projects **Project Leader**

- **“Nanostructures with aurones, chalcones and standardized plant extracts: development of a new prototype compound with chemopreventive and anti-inflammatory activity”**, Romanian – French international bilateral project, in collaboration with the Pharmacognosy Laboratory of the Faculty of Pharmacy of the University of Marseille, contract RO-FR 789/30.06.2014

Member in research and development projects

1. CNFIS-FDI-2024-F-0475 - We promote and relate to each other, therefore, we internationalize; we internationalize, there we are developing, project acronym: "umfvbt@80", project director Prof.univ. Claudia Borza
2. CNFIS-FDI-2023-F-0448 - Increasing the multifunctionality of the practice base in the field of medicinal plant products through interdisciplinary innovation with transposition into the digital area, project acronym: FITO@VRPRACT, director: Conf. dr. Pînzaru Iulia Andreea
3. CNFIS-FDI-2022-0484 - Implementation of modern techniques for the continuous development of the practice base in the field of medicinal plant products within UMF “Victor Babeş” Timisoara, director Prof.univ.dr. Cristina Adriana Dehelean
4. CNFIS-FDI 2022 - 0499, „We implement together the UMFVBT strategy for comprehensive intercultural and international development, acronym "comprehent@umft", director Prof.univ. Claudia Borza
5. CNFIS-FDI-2021-0498: Development of the practice base in the field of medicinal plants of the Victor Babeş University of Medicine and Pharmacy Timisoara, director prof.univ.dr. Cristina Adriana Dehelean
6. CNFIS FDI-2021-0336 Supporting the UMFVBT strategy of adapting to the educational effects of the COVID 19 pandemic by intensifying and expanding in maximum safety

- the actions dedicated to internationalization, Acronym: Safer-Int-MED@TM, director Prof. univ. dr. Claudia Borza
7. CNFIS-FDI-2019-0393 "Professional development center in the field of dermatocosmetic products based on medicinal plants", director Prof.univ.dr. Cristina Adriana Dehelean
 8. CNFIS-FDI-2018-0159: Center for development of practical abilities in the field of medicinal plants), director Prof.univ.dr. Cristina Adriana Dehelean
 9. Inhibitors of acetylcholinesterase in plants, FWF project nr. 18379, director Prof. univ. habil. Dr. Hermann Stuppner, Leopold- Franzens University Innsbruck, Austria
 10. Bridge No. 810059, director Prof. univ. habil. Dr. Judith Maria Rollinger, Leopold-Franzens University Innsbruck, Austria
 11. Systematis studies on the Lactuceae tribe, FWF project 15594, director: Prof. univ. habil. Dr. Hermann Stuppner, Leopold- Franzens University Innsbruck, Austria
 12. Development of bioproducts with triterpene compounds and cyclodextrins and their efficacy/harmfulness analysis in skin pathologies - CNCSIS AT 173/2007, director Prof. univ. Dehelean Cristina
 13. Study of the synergistic bioactivity of functional antioxidant foods in the reversibility of metabolic syndrome- CEEX 10 / 7.10.2005, director: Prof. univ. Dr. Drăgan Simona - UMF Timișoara
 14. The impact of functional foods with antioxidant bioactive components on the quality of life in breast cancer - CNCSIS 27690/14.03.2005, director: Prof. univ. Dr. Drăgan Simona - UMF Timișoara
 15. Training of European Phytotherapists for Discovery of New Medications - RO/2004/PL 93056/TD, Program Leonardo da Vinci, director: Prof. univ. Dr. Cristescu Carmen – UMF Timisoara

Educational and training projects

- **Erasmus internship for Staff involved in Higher Education**
Faculté de Pharmacie de Marseille, Université de la Méditerranée Aix-Marseille II, Marseille, Franța

Honours and awards

- **Visiting lecturer**
Faculté de Pharmacie de Marseille, Université de la Méditerranée Aix-Marseille II, Marseille, France
- **Diploma of Excellence** for the scientific and technologic research in the framework of bilateral cooperation between Romania and France, Programme „Brancusi – Hubert Curien”
- **Bologna Professor**
Award given by the National Alliance of Student Organizations in Romania, as recognition for the teaching performance (10.05.2017)
- **Reviewer** for: Molecules, Evidence Based Complementary and Alternative Medicine, Pharmacological Research, International Journal of Molecular Sciences, Environmental Pollution, Recent Patents on Drug Delivery and Formulation, Notulae Botanicae Horti Agrobotanici Cluj-Napoca, Scientific Reports etc
- **Topic editor** - Frontiers in Pharmacology
- **Award for the teaching activity**, given by the Victor babes University of Medicine and Pharmacy in september 2025

ANNEXES

Scientific activity

Habilitation THESIS

Contributions to the scientifically validated valorization of plants employed in traditional phytoterapy, defended on May 3rd, 2018, University of Medicine and Pharmacy of Tîrgu Mureş (Order of the Minister of National Research nr. 3829/04.06.2018).

PhD THESIS

Research regarding the content of mineral elements in medicinal plants from the Aninei Mountains, defended on June 16th, 2005, University of Medicine and Pharmacy of Tîrgu Mureş. PhD degree awarded by Order of the Minister of Education and Research nr. 4802/15.08.2005.

Books and book chapters

Books

1. **Tchiakpe-Antal DS.**, Dobrea MC, Ardelean F. *Curs de Botanică farmaceutică*, ed. a 2-a, Editura Victor Babeş, Timișoara, ISBN 978-606-786-438-0, 2025, 292 pg.
2. Ardelean F, **Tchiakpe-Antal DS.** *Noțiuni practice de citologie, histologie, morfologie și anatomie vegetală aplicate plantelor medicinale*. Editura Victor Babeş, Timișoara, ISBN 978-606-786-437-3, 2024, 193 pg.
3. **Tchiakpe-Antal DS**, Jjije AR, Ruse G. *Lab Guide for practical sessions in Pharmaceutical Botany*. Editura "Victor Babeş", Timișoara, ISBN 978-606-786-335-2, 2023, 116 pg.
4. **Antal DS**, Ardelean F. *Teste de Botanica pentru concursul de admitere la Facultatea de Farmacie*, Editura Victor Babeş, Timișoara, ISBN 978-606-786-159-4, 2020
5. **Antal DS, Ardelean F.** *Teste de Botanică pentru concursul de Admitere la Facultatea de Farmacie din Timișoara*. Editura Victor Babeş, Timișoara, ISBN 978-606-786-113-6, 194 pg, 2019.
6. **Antal DS**, Ardelean F. *Angiosperme medicinale : actualități farmacobotanice*, Editura Victor Babeş, Timișoara, ISBN 978-606-786-103-7, 109 pg, 2018.
7. **Antal DS**, Palici I, Ardelean F. *Teste de Biologie vegetala pentru admiterea la Facultatea de Farmacie*, Editura Victor Babeş, Timișoara, ISBN 978-606-786-065-8, 231 pg., 2018.
8. **Antal DS**, Palici I, Ardelean F. *Teste de Biologie pentru admiterea la Facultatea de Farmacie*, Editura Victor Babeş, Timișoara, ISBN 978-606-786-038-2, 2017.
9. **Antal DS**, Ollivier E. (editori) *Phytocompounds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity. Abstracts of the second international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014"*, Editura Victor Babeş, Timișoara, ISBN 978-606-786-024-5, 51 pg., 2016.
10. **Antal DS**, Ollivier E. (editori) *Natural products as a source of compounds with chemopreventive and anti-inflammatory activity. Abstracts of the international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014"*, Editura Victor Babeş, ISBN 978-606-8456-67-6, Timișoara, 53 pg., 2015.
11. **Antal DS.**, Dobrea C.M. *Curs de Botanică farmaceutică. Citologie, histologie, morfologie și anatomie vegetală*. Editura Mirton, Timișoara, recunoscuta CNCSIS, ISBN 978-973-52-1102-8, 282 pg., 2011.
12. **Antal DS.** *Specii vegetale și fitocompuși de interes dermato-cosmetic*, Ed. Mirton, Timișoara, recunoscuta CNCSIS, ISBN 978-973-52-0673-4, 266 pg., 2009.
13. **Antal DS**, *Practicum de Biologie vegetală farmaceutică*, Ed. Mirton, Timișoara, recunoscuta CNCSIS, ISBN 978-973-52-0607-9, 434 pg., 2009.
14. **Antal DS**, *Biologie vegetală pentru studenții Facultății de Farmacie*, Ed. Mirton, Timișoara, recunoscuta CNCSIS, ISBN 978-973-52-0148-7, 341 pg., 2007.
15. Coste Ioan, **Antal DS**, *Botanique pharmaceutique*, Ed. Orizonturi Universitare, Timișoara, recunoscuta CNCSIS, ISBN 973-638-182-X, 286 pg., 2005.
16. Coste Ioan, **Antal DS**, *Botanică farmaceutică. Sistematica plantelor*, Ed. Orizonturi Universitare, Timișoara, recunoscuta CNCSIS, ISBN 973-638-153-6, 280 pg., 2004.

Book chapters

17. **Antal DS**, Ardelean F. *Challenges in the nanoscale delivery systems development in the pharmaceutical and nutraceutical markets*, In: Oliveira MR (editor) „Mitochondrial Dysfunction and Nanotherapeutics”, Academic Press-Elsevier, London, ISBN: 978-0-323-85666-9, eBook ISBN: 978-0-323-88618-5, published July 15, 2021, pp. 441-458
18. Buda V, Andor M, **Antal D**, Ardelean F, Pavel IZ, Dehelean C, Soica C, Folescu R, Andrei F, Danciu C. *Cardioprotective Effects of Cultivated Black Chokeberries (Aronia spp.): Traditional Uses, Phytochemistry and Therapeutic Effects*. In: Sharma K, Mishra K, Senapati KK, Danciu C. (eds) „Bioactive Compounds in Nutraceutical and Functional Food for Good Human Health”, InTech, published April 28, 2020, London, UK, DOI: 10.5772/intechopen.92238
19. Danciu Corina, **Antal Diana**, Avram Stefana, Buda Valentina, Pavel Ioana Zinuca, Minda Daliana, Ardelean Florina, Nicolov Mirela, Dehelean Cristina. *Essential mineral elements: macronutrients and micronutrients from herbs in human*

- health. In: Iman Ryan (editor) "Phytochemicals. Plant sources and Potential Health benefits". Nova Science Publishers New York, 2019, ISBN 978-1-53615-479-5, pp. 1-52
20. Danciu C, Soica C, **Antal D**, Popescu A, Ghiulai R, Pavel IZ, Avram S, Minda D, Dehelean C. An Update On Natural Compounds and Their Modern Formulations for the Management of Malignant Melanoma. In: Badria FA (editor) „Natural Products and Cancer Drug Discovery”, InTech, ISBN 978-953-51-3314-8, Print ISBN 978-953-51-3313-1, published July 5, 2017, DOI: 10.5772/67647
 21. Soica C, **Antal D**, Andrica F, Babuta R, Moaca A, Ardelean F, Ghiulai R, Avram S, Danciu C, Coricovac D, Dehelean C., Paunescu V. Lupan-skeleton pentacyclic triterpenes with activity against skin cancer: preclinical trials evolution. In: Latosinska JN (editor) Unique Aspects of Anti-cancer Drug Development, InTech, ISBN 978-953-51-3348-3, Print ISBN 978-953-51-3347-6, published July 12, 2017, DOI: 10.5772/intechopen.68908
 22. Danciu C, **Antal DS**, Ardelean F, Chiş AR, Şoica C, Andrica F, Dehelean C. New Insights Regarding the Potential Health Benefits of Isoflavones. In: Justino GC (editor) „Flavonoids – From Biosynthesis to Human Health”, InTech, ISBN 978-953-51-3424-4, Print ISBN 978-953-51-3423-7, published August 23, 2017, DOI: 10.5772/67896

Articles indexed by the Web of Science (Clarivate Analytics) – main author (first, last, or corresponding)

1. Coman OA, Smeu A, Muntean D, Vlase AM, Vlase L, Toth S, Vădan A, Stoica A, Liga SE, Moacă A, Ciurba AD. **Tchiakpe-Antal DS**. Comparative analysis of *Ribes nigrum* leaf extracts in different solvents: antioxidant, antimicrobial and cytotoxic activity. *Farmacia*. 2025;73(5):1164-1174.
2. Ruse G, Jijie AR, Moacă E-A, Pătraşcu D, Ardelean F, Jojic AA, Ardelean S, **Tchiakpe-Antal DS**. *Coffea arabica*: An Emerging Active Ingredient in Dermato-Cosmetic Applications. *Pharmaceuticals* 2025; 18, 171. IF (2024)= 4.8
3. Jojic AA, Liga S, Uţu D, Ruse G, Suciş L, Motoc A, Şoica CM, **Tchiakpe-Antal DS**. Beyond Essential Oils: Diterpenes, Lignans, and Biflavonoids from *Juniperus communis* L. as a Source of Multi-Target Lead Compounds. *Plants*. 2024;13(22):3233. IF (2024)= 4.1
4. Jojic AA, Semenescu AD, Predescu I, Drăchici GA, Muntean D, Ardelean F, Ruse G, Gogulescu A, Şoica I, Hegheş A, **Tchiakpe-Antal DS**. *Juniperi galbulus*: screening of phytochemicals and bioactivity investigation of the aqueous extract. *Farmacia*. 2024;72(4): 934-945. IF=1.4
5. **Antal DS**, Avram Ş, Heinrich M. Skin: benefits of natural products in topical applications. *Frontiers in Pharmacology*. 2023;14:1305705. IF=4.4
6. **Antal DS**, Ardelean F, Jijie R, Pinzaru I, Soica C, Dehelean C. Integrating Ethnobotany, Phytochemistry, and Pharmacology of *Cotinus coggygia* and *Toxicodendron vernicifluum*: What Predictions can be Made for the European Smoketree?. *Frontiers in Pharmacology*. 2021;12:662852. IF (2021)= 5.811
7. Ghiulai R, Roşca OJ, **Antal DS***, Mioc M, Mioc A, Racoviceanu R, Macaşoi I, Olariu T, Dehelean C, Creţu OM, Voicu M, Şoica C. Tetracyclic and Pentacyclic Triterpenes with High Therapeutic Efficiency in Wound Healing Approaches. *Molecules*. 2020;25(23):5557, IF (2020) = 4.412
8. **Antal DS**, Ardelean F, Avram S, Pavel IZ, Danciu C, Soica C, Dehelean C. Flavonolignans: One Step Further in the Broad-Spectrum Approach of Cancer. *Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry-Anti-Cancer Agents)*. 2020;20(15):1817-30, IF (2020) = 2.507
9. **Antal DS**, Ardelean F, Chis AR, Ollivier E, Serban MC. Nanoscale Delivery Systems: Actual and Potential Applications in the Natural Products Industry. *Current Pharmaceutical Design* 2017; 23(17):2414-2421, IF (2017) = 2.757, Q2 în categoria WOS "Pharmacology & Pharmacy"
10. Ardelean F, Susan R, Borcan F, Moaca A, **Antal DS***, Soica C, Moldovan R, Berceanu Vaduva D, Marti D. Synthesis and physico-chemical evaluation of polyurethane microstructures for transmembrane delivery of *Reynoutria japonica* extract. *Materiale Plastice* 2017; 54(4):651-654, IF (2017) =1.248.
11. **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 coggygia* wood in two cyclodextrin types: first data on physico-chemical properties. *Revista de Chimie* 2016, 67 (6):1104-1109. IF (2016) = 1.232.
12. **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. *Revista de Chimie* 2016, 67 (8): 1618-1622. IF (2016) = 1.232.
13. **Antal D.S.**, Vlaia V., Dehelean CA., Vlaia L., Trandafirescu C., Ardelean F., Pinzaru I., Ionescu D. Zinc Across Medicinal Plants from Romanian Biodiversity and the Implications for Human Health. *Revista de Chimie* 2015; 66 (2): 236-239. IF (2015) = 0.956.
14. **Antal DS**, Citu Cosmin, Ardelean Florina, Dehelean Cristina, Vlaia Lavinia, Soica Codruta, Vlaia Vicentiu, Biris Marius, Sas Ioan. Metallome of *Origanum vulgare*: the unknown side of a medicinal and aromatic plant used worldwide. *Farmacia* 2015; 63(4): 534-538 IF (2015)=1.162.

15. Vlaia V, Pinzaru I, Coricovac D, Andoni M, Borcan F, **Antal DS**. Uptake of thallium by medicinal plants: first data for Romanian flora and significance to human health. *Revista de Chimie* 2014; 65 (10): 1158-1162. IF (2014) = 0.810
16. Trandafirescu C, **Antal DS***, 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. *Revista de Chimie* 2014; 65 (10): 1163-1167. IF (2014) = 0.810.
17. Danciu C, Coricovac DE, Soica C, Dumitrascu V, Simu G, **Antal DS***, 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. *Revista de Chimie* 2014; 65 (10): 1195-1199. IF (2014) = 0.810.
18. **Antal DS**, Coricovac D, Soica CM, Ardelean F, Pinzaru 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. *Revista de Chimie* 2014; 65 (9): 1122-1125. IF (2014) = 0.810.
19. **Antal DS**, Schwaiger S, Ellmerer-Müller EP, Stuppner H. *Cotinus coggygria* wood: Novel flavanone dimer and development of an HPLC/UV/MS method for the simultaneous determination of fourteen phenolic constituents. *Planta Medica* 2010; 76(15): 1765-1772. IF (2010) = 2.369, Q1 în categoria WOS "Plant Science"/2010
20. **Antal DS**, Dehelean CA, Peev CI, Anke M. Rubidium in Medicinal Plants: Contribution to the Research of a Potentially Essential Element. *Revista de Chimie* 2009; 60 (2): 156-159. IF (2009) = 0.552
21. Dehelean CA, Cînta-Pînzaru S, Peev C, Soica C, **Antal DS**. Characterization of birch tree leaves, buds and bark dry extracts with antitumor activity. *J Optoelectr. Adv. Mat* 2007; 9 (3): 783-787. IF (2007) = 0.827.
22. Peev CI, Vlase L*, **Antal DS***, Dehelean CA, Szabadai Z. Determination of some polyphenolic compounds in buds of *Alnus* and *Corylus* species by HPLC. *Chemistry of Natural Compounds* 2007; 43(3): 259-262. IF(2007) = 0.442
23. **Antal DS**, Dehelean C, Peev C, Anke M. Analiza arsenului în plantele medicinale prin ICP-MS și evaluarea transferului său în extracte apoase (Analysis of arsenic content in medicinal plants by ICP-MS and assessment of its transfer into aqueous extracts) *Revista de Chimie* 2005; 56 (9): 926-930. IF= 0.278.

Articles indexed by the Web of Science (Clarivate Analytics) – co-author

24. Cristea AM, Smeu A, Cîmpeanu IA, Iftode A, Liga S, **Tchiakpe-Antal DS**, Vlad D, Dehelean CA, Iliescu D. Biological Effects of Rosaceae Species in Skin Disorders—An Up-To-Date Overview. *Plants*. 2025;14(11):1605. IF(2024)=4.1
25. Dan C, Almajan-Guta B, Jojic AA*, Dumitrel S, Predescu IA, **Tchiakpe-Antal DS**, Smeu A, Jijie R, Ionita I, Dragomir AC, Ardelean S. Ethanolic extract of *Juniperus communis* exhibits antimicrobial activity and selective cytotoxicity in PANC-1 cancer cells compared to HEPARG hepatocytes. *Farmacia* 2025; 73(2): 362-375. IF(2024)=1.4
26. Căta A, Pop R, **Tchiakpe-Antal DS**, Ardelean F, Ruse G, Ienașcu IMC. Theoretical evaluation of some natural polysaccharides as nanocarriers for the terpene alcohols from essential oils. *Ovidius University Annals of Chemistry* 2025; 36(1):20-28, IF (2024)=1.1
27. Ruse G, **Tchiakpe-Antal DS**, Moacă EA, Semenescu AD, Vlase AM, Muntean D, Ardelean F, Jojic AA, Voicu M, Chevereșan A, Hegheș A. Evaluation of anti-melanoma, antibacterial and antioxidant effects of a phytochemically characterized water-soluble fraction from green coffee seeds. *Farmacia* 2024; 72(6): 1261-127, IF(2024)=1.4
28. Semenescu AD, Moacă EA, Iftode A, Dehelean CA, **Tchiakpe-Antal DS**, Vlase L, Vlase AM, Muntean D, Chioibaș R. Phytochemical and Nutraceutical Screening of Ethanol and Ethyl Acetate Phases of Romanian *Galium verum* Herba (Rubiaceae). *Molecules*. 2023; 28(23):7804. IF (2022): 4.6
29. Semenescu AD, Moacă EA, Iftode A, Dehelean CA, **Tchiakpe-Antal DS**, Vlase L, Rotunjanu S, Muntean D, Chiriac SD, Chioibaș R. Recent Updates Regarding the Antiproliferative Activity of *Galium verum* Extracts on A375 Human Malignant Melanoma Cell Line. *Life*. 2024;14(1):112.
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Date: 04.03.2026