



Europass Curriculum Vitae

Informații personale

Prenume / Nume **George Andrei Draghici**
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Naționalitate Română
Data nașterii -

LOCUL DE MUNCA PENTRU CARE SE CANDIDEAZĂ POZIȚIA

Coordonator 2 grupa studenti FA, COD 335406

Stagii pentru studenti pregatiti pentru provocarile de maine, cod SMIS 317682, nr. contract de finantare G2024-67613/ 25.10.2024

Experiență profesională

Data	2025 – prezent
Funcția sau postul ocupat	Conferentiar – Disciplina Toxicologie
Activități și responsabilități principale	Învățământ superior (activitate didactică de laborator – Toxicologie), Cercetare științifică
Numele și adresa angajatorului	Universitatea de Medicină și Farmacie “Victor Babes”, Piața Eftimie Murgu Nr. 2, 300041, Timișoara, Romania
Data	2015 – 2022
Funcția sau postul ocupat	Asistent Universitar – Disciplina Toxicologie
Activități și responsabilități principale	Învățământ superior (activitate didactică de laborator – Toxicologie), Cercetare științifică
Numele și adresa angajatorului	Universitatea de Medicină și Farmacie “Victor Babes”, Piața Eftimie Murgu Nr. 2, 300041, Timișoara, Romania
Data	2015 – 2017
Funcția sau postul ocupat	Asistent cercetător– Departmentul de Genetică
Activități și responsabilități principale	activitate de cercetare științifică
Numele și adresa angajatorului	Universitatea de Vest „Vasile Goldiș”, B-dul Revoluției nr. 94, Arad, Romania

Educație și formare

Data 01-10-2018-15-07-2020
Denumirea calificării obținute Doctor în farmacie
Titlu Toxic Effects and Observational Aspects Relating to Cadmium and Copper on Experimental Models A (excellent)
Instituția de învățământ Universitatea de Medicină și Farmacie “Victor Babes”, Piața Eftimie Murgu Nr. 2, 300041, Timișoara, Romania

Data 04.03.2015 - 01.06.2015
Denumirea calificării obținute Traineeship Certificate
Disciplinele principale studiate/competențele profesionale dobândite Quality Analysis and Evaluation of Food Products; overall mark for training: A (excellent)
Instituția de învățământ University of Technology and Life Sciences Faculty of Agriculture and Biotechnology, 6 Bernardynska St., 85-029 Bydgoszcz, Poland

Data 05.10.2014 - 03.03.2015
Titlul certificatului sau al diplomei obținute Traineeship Certificate
Disciplinele principale studiate/competențele profesionale dobândite Bioalcohol Extraction from Different Sources; overall mark for training: A (excellent)
University of Technology and Life Sciences Faculty of Agriculture and Biotechnology, 6 Bernardynska St., 85-029 Bydgoszcz, Poland

2013 – 2015
Diplomă de master
Sisteme de procesare a principiilor bioactive naturale

Facultatea de Tehnologia Produselor Agroalimentare, Universitatea de Științe Agricole și Medicina Veterinară a Banatului Regele Mihai I al României Timisoara, România
Prof. univ. Dr. Iosif Gergen
Caracterizarea calitativă a două tipuri de făină

2009 – 2013
Diplomă de licență
Chimie alimentară și tehnologii biochimice

Facultatea de Tehnologia Produselor Agroalimentare, Universitatea de Științe Agricole și Medicina Veterinară a Banatului Regele Mihai I al României Timisoara, România
Dr. ing. Despina – Maria Bordean
Alimente funcționale și hipocalorice

2004 – 2008
Diplomă de Bacalaureat
Liceul Tehnologic "Alexandru Vlahuță", Șendriceni, Dorohoi, România

Competențe personale

Limba maternă Română
Alte limbi străine cunoscute Engleză, Spaniolă

Evaluare

Nivel european (*)	Înțelegere		Vorbire		Scriere
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	B 2	B 2	B 2	B 2	B 2
Spaniolă	A 2	A 1	A 1	A 1	A 1

Competențe de comunicare	Bune abilități de comunicare dobândite câștigate în urma experienței Erasmus + și a participărilor și a prezentărilor la congrese științifice naționale și internaționale
Competențe organizaționale/manageriale	Leadership, bună organizare, atenție la detalii, muncă sub presiune
Competențe dobândite la locul de muncă	- Biologie moleculară: spectrofotometrie, PCR, RT-PCR, izolare ADN, ARN - Chimie analitică : titrare karl fischer, gaz-cromatografie, FOSS Infratec, Infratec™ 1241 Grain Analyser, FAS - model experimental (melc) de hepatotoxicitate indusă cu cadmiu
Competență digitală	Microsoft Office™ (Word™, Excel™, Visio and PowerPoint™), Statistic 8, ImageJ, PhotoShop, Past.
Permis auto	categoria B
Informații suplimentare	Articole publicate: Conform Web of Science, indexul Hirsch este 5. Articole publicate în reviste cotate ISI: 13 Articole publicate în reviste indexate BDI: 9 Granturi de cercetare: Membru în echipa de cercetare pentru proiectele: “O abordare epitoxicogenomică hepatotoxicității cadmiului: un model gasteropod” - PN-II-RU-TE-2014-4-0776 - Director Proiect Dr. Dragoș Nica (2015 – 2017) „ Evaluarea aplicabilității clinice a unor biomarkeri ADN în managementul tratamentului personalizat în cancerul de prostată” - PN-II-RU-TE-2014-4-2854 - Director Proiect Conf. Dr. Popescu Cristina (2015 – 2017) <i>"In vitro and in vivo evaluation of phamacokinetic and pharmacodynamic profile of triterpenic compounds nanoformulations with antitumoral effect"</i> - PN-II-RU-TE-2014-4-2842 – Project Manager: Conf. Dr. Farm Dorina Coricovac (2015 – 2017) Internships: Graduate Certificate, Smithfield Romania Internship Program Membru al: Organizația Salvați Copii România. Certificat De Participare Refine Protein Preparation with Reliable Tools from Merck" "Sensitivity you can count on with Merck ELISA and SMCTM assays for protein biomarker detection" "Antibody Voyages with Merck: What's New in Antibody Technology" "Cultivate Reality - Take Advantages of Using 3D Cell Culture Models" "Introduction to Merck "Green" Nucleic Acid Purification Technology" Explore the full flexibility of Merck PCR technologies Referințele pot fi solicitate la cerere

Anexe

Lucrări publicate:

Publicatii ISI:

- Georgescu, M., **Drăghici, G. A.**, Oancea, E. F., Dehelean, C. A., Șoica, C., Vlăduț, N. V., & Nica, D. V. (2021). Effects of Cadmium Sulfate on the Brown Garden Snail *Cornu aspersum*: Implications for DNA Methylation. *Toxics*, 9(11), 306. <https://doi.org/10.3390/toxics9110306> FI 4.146
- Dan Manea ,Anişoara Aurelia Ienciu ,Ramona Ștef ,*,Ioan Peț ,Laura Șmuleac ,Ioana Grozea ,Alin Cărăbeț ,**George Andrei Drăghici** and Dragoș Vasile Nica ,. "The "Sandwich" System: A Potential Solution for Protecting Overwintering *Cornu aspersum* Snails Reared in Semi-Intensive Heliciculture Farms in Colder Climates." *Animals* 11.5 (2021): 1420. <https://doi.org/10.3390/ani11051420> FI 2.752
- Luca, M. M., Popa, M., Watz, C. G., Pinzaru, I., Draghici, G. A., Mihali, C. V., ... & Szuhaneck, C. (2021). Space Maintainers Used in Pediatric Dentistry: An Insight of Their Biosecurity Prole by Applying In Vitro Methods. *Materials*, 14(20), 6215. <https://doi.org/10.3390/ma14206215> FI 3.623
- Kazakova, O., Mioc, A., Smirnova, I., Draghici, G. A., Baikova, I., Voicu, A., Vlaia, L., ... & Șoica, C. (2021). Novel Synthesized N-Ethyl-Piperazinyl-Amides of C2-Substituted Oleanonic and Ursolic Acids Exhibit Cytotoxic Effects through Apoptotic Cell Death Regulation. *International journal of molecular sciences*, 22(20), 10967. <https://doi.org/10.3390/ijms222010967> FI 5.924
- Kazakova, O., Șoica, C., Babaev, M., Petrova, A., Khusnutdinova, E., Draghici, G. A., Poptsov, A., ... & Voicu, A. (2021). 3-Pyridinylidene Derivatives of Chemically Modified Lupane and Ursane Triterpenes as Promising Anticancer Agents by Targeting Apoptosis. *International journal of molecular sciences*, 22(19), 10695. <https://doi.org/10.3390/ijms221910695> FI 5.924
- Watz, C. G., Moacă, E. A., Vlaia, L., Marcovici, I., Macașoi, I. G., Borcan, Draghici, G. A., & Dehelean, C. A. (2021). Oleogel Formulations for the Topical Delivery of Betulin and Lupeol in Skin Injuries—Preparation, Physicochemical Characterization, and Pharmacotoxicological Evaluation. *Molecules*, 26(14), 4174. <https://doi.org/10.3390/molecules26144174> FI 4.412
- Simu, S., Marcovici, I., Dobrescu, A., Malita, D., Dehelean, C. A., Coricovac, Draghici, G. A., & Navolan, D. (2021). Insights into the Behavior of Triple-Negative MDA-MB-231 Breast Carcinoma Cells Following the Treatment with 17β-Ethinylestradiol and Levonorgestrel. *Molecules*, 26(9), 2776. <https://doi.org/10.3390/molecules26092776> FI 4.412
- Coricovac, D., Dehelean, C. A., Pinzaru, I., Mioc, A., Aburel, O. M., Macasoi, I Draghici, G. A., & 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), 4870. <https://doi.org/10.3390/ijms22094870> FI 5.924
- Fabricky, M., Gabor, A. G., Milutinovici, R. A., Watz, C. G., Avram, Ș., Drăghici, G., ... & Sinescu, C. (2021). Scaffold-Type Structure Dental Ceramics with Different Compositions Evaluated through Physicochemical Characteristics and Biosecurity Proles. *Materials*, 14(9), 2266. <https://doi.org/10.3390/ma14092266> FI 3.623
- Iftode, A., Drăghici, G. A., Macașoi, I., Marcovici, I., Coricovac, D. E., Dragoi, R., ... & Dehelean, C. (2021). Exposure to cadmium and copper triggers cytotoxic effects and epigenetic changes in human colorectal carcinoma HT-29 cells. *Experimental and Therapeutic Medicine*, 21(1), 1-1. <https://doi.org/10.3892/etm.2020.9532> FI 2.447
- Drăghici, G. A., Dehelean, C., Pinzaru, I., Bordean, D. M., Borozan, A., Tsatsakis, A. M., ... & Nica, D. (2019). Soil copper uptake by land snails: A semi-eld experiment with juvenile *Cantareus aspersus* snails. *Environmental toxicology and pharmacology*, 72, 103243.
- Chioibas, R., Susan, R., Susan, M., Mederle, O., Vaduva, D. B., Radulescu, M., Drăghici, G. A., & Marti, D. (2019). Antimicrobial Activity Exerted by Total Extracts of Germander. *REVISTA DE CHIMIE*, 70(9), 3242-3244. Factor DOI: 10.37358/RC.19.9.7526 FI 1.775
- Drăghici, G. A.**, Dehelean, C. A., Pinzaru, I., Bordean, D. M., Pop, G., & Nica, D. (2019). An 112-Days Experiment on Dietary Cadmium Retention in Hepatopancreas in Adult *Cantareus aspersus* Snails. *REVISTA DE CHIMIE*, 70(8), 2803-2804.
- Moacă, E. A., Farcaș, C., Coricovac, D., Avram, S., Mihali, C. V., **Drăghici, G. A.**, ... & Dehelean, C. (2019). Oleic Acid Double Coated Fe3O4 Nanoparticles as Anti-Melanoma Compounds with a Complex Mechanism of Activity—In Vitro and In Ovo Assessment. *Journal of biomedical nanotechnology*, 15(5), 893-909. <https://doi.org/10.1166/jbn.2019.2726> FI 3.25
- Zsolt Gyori, Monica Susan, Razvan Susan, Andrada Iftode, Cristina Trandarescu, Adelina Cheveresan, Mircea Berceanu, **George Draghici**, Tiberiu Bratu. (2019). Melanoma cell lines role in obtaining new drug candidates for combating the malignant pathology of the cutaneous organ. *Rev Chim*, 70(3). DOI: 10.37358/RC.19.3.7036 FI 1.775
- Nica, D. V., **Draghici, G. A.**, Andrica, F. M., Popescu, S., Coricovac, D. E., Dehelean, C. A., ... & Tsatsakis, A. (2019). Short-term effects of very low dose cadmium feeding on copper, manganese and iron homeostasis: A gastropod perspective. *Environmental toxicology and pharmacology*, 65, 9-13. <https://doi.org/10.1016/j.etap.2018.10.005> FI 3.292
- Nica, D. V., Popescu, C., **Draghici, G. A.**, Andrica, F. M., Privistirescu, I. A., Gergen, I. I., & Stöger, R. (2017). High-level dietary cadmium exposure is associated with global DNA hypermethylation in the gastropod hepatopancreas. *PloS one*, 12(9), e0184221. <https://doi.org/10.1371/journal.pone.0184221> FI 2.776
- Nica, D., Popescu, C., **Draghici, G.**, Privistirescu, I., Suciu, M., & Stöger, R. (2017). Effect of cadmium on cytosine hydroxymethylation in gastropod hepatopancreas. *Environmental Science and Pollution Research*, 24(17), 15187-15195. <https://doi.org/10.1007/s11356-017-9104-4> FI 2.96
- Andrica, F. M., **Draghici, G. A.**, Șoica, C., Pinzaru, I., Coricovac, D., Citu, C., & Dehelean, C. (2016). Antioxidant Activity Assessment of Ethanolic *Spirulina* Extracts. *REVISTA DE CHIMIE*, 67(2), 289-290. FI 1.232

Capitol carte:

- **Draghici, G. A.**, Dehelean, C., Susan, R., Berceanu-Văduva, D., & Nica, D. (2020). Indoor Hibernation of *Helix aspersa* Juveniles. In *Invertebrates-Ecophysiology and Management*. IntechOpen.

Publicații SCOPUS:

- Gogoasa I, Liana Alda, Rada M, Negrea P, Negrea A, Despina-Maria Bordean, Velciov A, **George Andrei Drăghici**, Gergen I, *Goji berries (Lycium barbarum) as a source of trace elements in human nutrition*, Journal of Agroalimentary Processes and Technologies 2014, 20(4), 369-372, INDEX COPERNICUS, CABI;
- Pirvulescu L., Bordean DM, Popescu I, Sirbulescu C, **George Andrei Drăghici**, *Profile of mineral compounds from ginger (Zingiber officinale)*, Facultatea de Management Agricol, Lucrări Științifice, SERIA I, VOL.XVI (4), 2014, p.132-135, <http://www.lsma.ro/index.php/lsma/article/view/590/316>, CNCSIS, categoria B+ și este indexat în următoarele Baze de Date Internaționale: DIRECTORY OF OPEN ACCESS JOURNALS (DOAJ), EBSCO, CABI Full Text, INDEX COPERNICUS.
- **George Andrei Draghici.**, Sida L, Borozan Aurica-Breica, Nica D., Alda S., Alda L, Gogoasă I., Gergen I., Bordean Despina, *Mineral content of some Cruciferae species, available on romanian market*, Journal of Horticulture, Forestry and Biotechnology, vol. 17 (4), 49-51, 2013, INDEX COPERNICUS, CABI – publishing website serials cited submission
- **George Andrei Draghici.**, Lupu Maria Alexandra, Borozan Aurica-Breica, Nica D., Alda S., Alda Liana, Gogoasă I., Gergen I., Bordean Despina, *Red cabbage, millennium's functional food*, Journal of Horticulture, Forestry and Biotechnology, vol. 17 (4), 52-55, 2013, INDEX COPERNICUS, CABI – publishing website serials cited submission

Abstracte publicate:

- Draghici, G. A., Nica, D., Dehelean, C., Susan, R., & Susan, M. (2020, February). DNMT gene expression in *Cantareus aspersa* snails exposed to low cadmium dose. In NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY (Vol. 393, No. SUPPL 1, pp. 53-54). ONE NEW YORK PLAZA, SUITE 4600, NEW YORK, NY, UNITED STATES: SPRINGER.
- Borozan A.B., Nica D., Filimon M.N., Horablaga M., Popescu R., Horablaga A., Madosa E., **George Andrei Drăghici**, Bordean D., Cojocariu L., The antimicrobial activity of two species of ment (*Mentha spicata* Var. *Viridis* and *Menta Smithiana*), The 6th National Congress and the 32th Annual Scientific Session of RSCB, 4-7 june 2014, Targu Mures (Romania), published in: Bulletin of Romanian Society for Cell Biology No 42, June 2014, "Vasile Goldis" University Press, Arad, ISSN: 1584-5532, pp 90
- Aurica Breica Borozan, Cojocariu L, Sandoiu I, Despina Maria Bordean, Marinel Horablaga, **George Andrei Draghici**, Moldovan C, *The bacterial component of soil as a result of using annual fodder mixes as green fodder*, The 20th International Symposium on Analytical and Environmental Problems, 22 September 2014, Szeged, HUNGARY, p.151-154
- Despina-Maria Bordean, Gergen I., Catargiu A., Borozan A.B., **George Andrei Drăghici**, Luminita Pirvulescu, Camelia Ciobanu, Liana Alda, Ioan Gogoasa, *Chemical Fingerprint of some mint teas available on the romanian market*, The 20th International Symposium on Analytical and Environmental Problems, 22 September 2014, Szeged, HUNGARY, p.155-158
- Diana Moigradean, Mariana-Atena Poiana, Liana-Maria Alda, Simion Alda, **George-Andrei Draghici**, *Evaluation of Tomato Yield Using Statistical Tests*, Proceedings of the 21st International Symposium on Analytical and Environmental Problems University of Szeged 2015 ISBN 978-963-306-411-5
- Despina-Maria Bordean *, Marinel Horablaga, Ioan Gogoasa, **George Andrei Draghici**, Lidia Sida, Luminita Pirvulescu **, Luminita Cojocariu, Aurica Breica Borozan, *Influence of Termic Treatment on Armoracia Rusticana Roots and Leaves, Total Polyphenols Content*, Proceedings of the 21st International Symposium on Analytical and Environmental Problems University of Szeged 2015 ISBN 978-963-306-411-5
- Liana Maria Alda, Simion Alda, Diana Moigradean, Teodor Cristea, **George Andrei Draghici**, Luminita Pirvulescu, Iosif Gergen, *The Influence of Total Chromium Soil Content on the Maize Zinc Levels, in a Polluted Area*, Proceedings of the 21st International Symposium on Analytical and Environmental Problems University of Szeged 2015 ISBN 978-963-306-411-5
- Ioan Gogoasă, Liana Maria Alda, **George Andrei Drăghici**, Despina-Maria Bordean, Adina Negrea, Gheorghita Jigoria, Ariana Velciov, Maria Rada, Antonela Cozma, Iosif Gergen, *Bio-Minerals Contribution of Seasonal Fruits to the Recommended Dietary Allowances*, Proceedings of the 21st International Symposium on Analytical and Environmental Problems University of Szeged 2015 ISBN 978-963-306-411-5
- **George Andrei Draghici**, Dragos Nica, Ioan Gogoasa, Liana Alda, Iosif Gergen, Despina-Maria Bordean, *Polish white flour quality evaluation*, Faculty of Food Processing, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara
- Andrei Dorel Catargiu, Dan Raican, **George Andrei Draghici**, Lavinia Sarbu, Ioan Gogoasa, Iosif Gergen, Despina-Maria Bordean, *Total antioxidant capacity of a functional food mix based on bees honey, cocoa and green coffee beans* - The 6th International Conference on Food Chemistry, Engineering Food Chemistry, Engineering & Technology

Prezentări orale

- **George Andrei Drăghici**, Lidia Sida, Dan Raican, Tivadar A.S., Sirbu L., Borozan A.B., Pirvulescu L., Bordean D-M, Total antioxidant capacity of *Armoracia Rusticana* leaf and root alcoholic extract-The 6th International Conference on Food Chemistry, Engineering & Technology
- **George Andrei Drăghici**, Dragos V. Nica, Ioan Gogoasa, Liana Alda, , Iosif I. Gergen, Despina-Maria Bordean, Polish white flour quality evaluation- The 6th International Conference on Food Chemistry, Engineering & Technology
- Andrei Dorel Catargiu, Dan Raican, **George Andrei Drăghici**, Lavinia Sarbu, Ioan Gogoasa, Iosif Gergen, Despina-Maria Bordean- The 6th International Conference on Food Chemistry, Engineering & Technology
- **George Andrei Draghici**, Coandras L-A , Liana Alda, Ioan Gogoasa, Aurica Breica Borozan, Simion Alda, Despina-Maria Bordean, Iosif Gergen Water Content in Peel and Pulp of Some Apples and Pears Assortments Available on the Romanian Market – The 5thInternational Conference on Food Chemistry, Engineering & Technology

Postere

- Dragos Vasile Nica, Cristina Popescu, **George Andrei Draghici**, Florina Andrica, Andreea Anechitei, Maria Suci, *Cadmium hepatotoxicity: an epigenetic gastropod-based approach* - Environmental and (eco)toxicological Omics and Epigenetics: Science, Technology and Regulatory Applications SETAC/iOES Ghent, Belgium
- **George Andrei Draghici**, Dragos Nica, Ioan Gogoasa, Liana Alda, Iosif Gergen, Despina-Maria Bordean, Polish white flour quality evaluation, The 6th International Conference on Food Chemistry, Engineering Food Chemistry, Engineering & Technology
- **George Andrei Drăghici**, Lidia Sida, Dan Raican, Tivadar A.S., Sirbu L., Borozan A.B., Pirvulescu L., Bordean D-M, Total antioxidant capacity of *Armoracia Rusticana* leaf and root alcoholic extract-The 6th International Conference on Food Chemistry, Engineering & Technology
- **George Andrei Draghici**, Coandras L-A , Liana Alda, Ioan Gogoasa, Aurica Breica Borozan, Simion Alda, Despina-Maria Bordean, Iosif Gergen Water Content in Peel and Pulp of Some Apples and Pears Assortments Available on the Romanian Market – The 5thInternational Conference on Food Chemistry, Engineering & Technology
- Andrei Dorel Catargiu, Dan Raican, **George Andrei Draghici**, Lavinia Sarbu, Ioan Gogoasa, Iosif Gergen, Despina-Maria Bordean, *Total antioxidant capacity of a functional food mix based on bees honey, cocoa and green coffee beans* - The 6th International Conference on Food Chemistry, Engineering Food Chemistry, Engineering & Technology
- Dragos Nica, **George Andrei Draghici**, Despina Bordean Mariam, Florina Andrica, Andreea Anechitei, Iosif Gergen, *Manganese, But not Copper, is Highly responsive to Cadmium accumulation in Snail Hepatopancreas* al 8 – lea Congres National cu Participare Internationala si a 34 –a Sesiune Nationala a Societatii Romane de Biologie Celulara, Oradea -Baile Felix.