



## Europass Curriculum Vitae

### Informații personale

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

### Experiență profesională

Data 2022 – prezent  
Funcția sau postul ocupat Lector – Disciplina Toxicologie, Industria Medicamentului, Management si Legislatie  
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		Participare la conversație	Vorbire		Scriere
	Ascultare	Citire		Discurs oral		
<b>Engleză</b>	B 2	B 2	B 2	B 2	B 2	B 2
<b>Spaniolă</b>	A 2	A 1	A 1	A 1	A 1	A 1

(\*) [Common European Framework of Reference for Languages](#)

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	<ul style="list-style-type: none"> <li>- Biologie moleculară: spectrofotometrie, PCR, RT-PCR, izolare ADN, ARN</li> <li>- Chimie analitică : titrare karl fischer, gaz-cromatografie, FOSS Infratec, Infratec™ 1241 Grain Analyser, FAS</li> <li>- model experimental (melc) de hepatotoxicitate indusa cu cadmiu</li> </ul>
Competență digitală	Microsoft Office™ (Word™, Excel™, Visio and PowerPoint™), Statistic 8, ImageJ, PhotoShop, Past.
Permis auto	categoria B
Informații suplimentare	<p><b>Articole publicate:</b> Conform Web of Science, indexul Hirsch este 5.  Articole publicate în reviste cotate ISI: 13  Articole publicate în reviste indexate BDI: 9</p> <p><b>Granturi de cercetare:</b></p> <p><b>Membre în echipa de cercetare pentru proiectele:</b></p> <p>“O abordare epitoxicogenomica hepatotoxicitatii 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)</p> <p><b>Internships:</b>  Graduate Certificate, Smithfield Romania Internship Program</p> <p><b>Membre al:</b>  Organizația Salvați Copii România.</p> <p><b>Certificat De Participare</b>  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</p> <p><b>Referințele pot fi solicitate la cerere</b></p>

## 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, Anișoara 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 Profile 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., Macaso, 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 Profiles. *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 Fe<sub>3</sub>O<sub>4</sub> 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., Suci, 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.**, Soica, 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-SCHMIEDEBERG 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 6<sup>th</sup> National Congress and the 32<sup>th</sup> 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 20<sup>th</sup> 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 20<sup>th</sup> 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., Pivulescu 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 5th International Conference on Food Chemistry, Engineering & Technology

## Postere

- Dragos Vasile Nica, Cristina Popescu, **George Andrei Draghici**, Florina Andrica, Andreea Anechitei, Maria Suciuc, *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., Pivulescu 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 5th International 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.