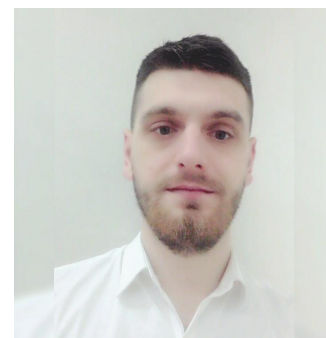




Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **George Andrei Draghici**
Address(es) 32, Calea Bogdanestilor, Ap. 33, 300342, Timisoara, Romania
Telephone(s) [0256 494 604](tel:0256494604)
E-mail draghici.george.andrei@gmail.com
Nationality Romanian
Date of birth -
Gender M

Work experience

Dates	2012-present
Occupation or position held	Lector
Main activities and responsibilities	Didactic and scientific research in the field of Toxicology
Name and address of employer	Victor Babeş" University of Medicine and Pharmacy, Piaţa Eftimie Murgu Nr. 2, 300041, Timisoara, Romania
Dates	2017-2022
Occupation or position held	Assistant
Main activities and responsibilities	Didactic and scientific research in the field of Toxicology
Name and address of employer	Victor Babeş" University of Medicine and Pharmacy, Piaţa Eftimie Murgu Nr. 2, 300041, Timisoara, Romania
Dates	2015 – 2017
Occupation or position held	Assistant researcher – Department of Genetics, „Vasile Goldiş” West University of Arad, Romania
Main activities and responsibilities	Scientific research activities
Name and address of employer	Vasile Goldiş West University of Arad, B-dul Revolutiei nr. 94, Romania
Dates	2015 – 2017
Occupation or position held	Researcher – Department of Toxicology, “Victor Babeş” University of Medicine and Pharmacy, Timişoara, Romania
Main activities and responsibilities	Scientific research activities
Name and address of employer	“Victor Babeş” University of Medicine and Pharmacy, Piaţa Eftimie Murgu Nr. 2, 300041, Timisoara, Romania

Education and training

Dates 04.03.2015 - 01.06.2015
Title of qualification awarded Traineeship Certificate
Principal subjects/occupational skills covered Quality Analysis and Evaluation of Food Products; overall mark for training: A (excellent)

Name and type of organisation providing education and training University of Technology and Life Sciences Faculty of Agriculture and Biotechnology, 6 Bernardynska St., 85-029 Bydgoszcz, Poland

Dates 05.10.2014 - 03.03.2015

Title of qualification awarded Traineeship Certificate

Principal subjects/occupational skills covered Bioalcohol Extraction from Different Sources; overall mark for training: A (excellent)

Name and type of organisation providing education and training University of Technology and Life Sciences Faculty of Agriculture and Biotechnology, 6 Bernardynska St., 85-029 Bydgoszcz, Poland

Dates 2013 - 2015

Title of qualification awarded Master degree

Principal subjects/occupational skills covered Processing Systems Natural Bioactive Principles

Name and type of organisation providing education and training Faculty of Food Processing Technology, Banat's University of Agricultural Science and Veterinary Medicine " King Mihai the first of Romania" from Timisoara, Romania

Thesis supervisor Prof.dr. Gergen Iosif

Thesis title Qualitative characterization of two types of flour

Dates 2009 - 2013

Title of qualification awarded Bachelor Degree

Principal subjects/occupational skills covered Food Chemistry and Biochemical Technologies

Name and type of organisation providing education and training Faculty of Food Processing Technology, Banat's University of Agricultural Science and Veterinary Medicine " King Mihai the first of Romania" from Timisoara, Romania

Thesis supervisor Dr. ing. Despina – Maria Bordean

Thesis title Functional and Hypocaloric Food

Dates 2004 - 2008

Title of qualification awarded High school Degree

Name and type of organisation providing education and training High school Technology "Al. Vlahuta" Sendriceni, Dorohoi, Romania

Personal skills and competences

Mother tongue(s) Romanian

Other language(s) English, Spanish

Self – Assessment

European level (*)	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Spanish	A2	A1	A1	A1	A1

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

- Social skills and competences
- good communication skills gained through my experience on traineeships
 - good communication skills gained through presentation and participation of science conference
 - good communication skills gained on Erasmus +

Organisational skills and competences	Strong sense of leadership; Highly organized; dynamic; planning skills with great attention to detail and ability to prioritize work, ability to work under pressure
Technical skills and competences	- Molecular Biology, genetic: spectrophotometry, RT-PCR, DNA, RNA, - Analytical chemistry: Gas Chromatography, UV-VIS, Karl Fischer titration, FOSS Infratec, Infratec™ 1241 Grain Analyser. - animal models: snail and mice
Computer skills and competences	Competent with Microsoft Office™ (Word™, Excel™, Visio and PowerPoint™), Statistic 8, ImageJ, PhotoShop
Driving licence	full, clean (B category)

Additional information**Member of:**

Save the Children in Romania

Research grants:**Member of the research projects teams:**

"Clinical utility of DNA based biomarkers in prostate cancer hormonal treatment decision making" - PN-II-RU-TE-2014-4- 2854, acronym: PROEPIMARKS,

"A epitoxogenomic approach to cadmium hepatotoxicity: a gastropod perspective" - PN-II-RU-TE-2014-4-0776 – Project Manager: Dr. Dragoş Nica (2015 – 2017)

"In vitro and in vivo evaluation of phamacokinetic and pharmacodynamic profile of triterpenic compounds nanoformulations with antitumoral effect" - PN-II-RU-TE-2014-4-2842 – Project Manager: Conf. Dr. Farm Dorina Coricovac

Internships :

Graduate Certificate, Smithfield Romania Internship Program

Annexes

Published Work:

ISI publications:

- 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 Vasiles 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-field 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., 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

SCOPUS publications:

- 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, **Drăghici George**, *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.lisma.ro/index.php/lisma/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.
- **Drăghici G.A.**, 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
- **Drăghici G.A.**, 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

Abstract publications:

- 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 beeshoney, cocoa and green coffee beans - The 6th International Conference on Food Chemistry, Engineering Food Chemistry, Engineering & Technology*

Oral Presentations

- **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 5th International Conference on Food Chemistry, Engineering & Technology

Posters

- Nica, D., Popescu, C., **Draghici, G.A.**, Andrica, F.M., Privistirescu, I.A., Suci, M., Stöger, R. Association of global DNA hydroxymethylation with cadmium in gastropod hepatopancreas 2 nd Danube Conference on Epigenetics, October 5- 8, 2016, Budapest, Hungary
- Nica, D.V., Popescu, C., **Draghici, G.A.**, Andrica, F.M., Privistirescu, I.A., Stöger, R., Cadmium hepatotoxicity: an epigenetic gastropod-based approach, Symposium SETAC/IEOS Joint Focused Topic Meeting, September 12-15, 2016, Ghent, Belgium
- Nica, D.V., **Draghici, G.A.**, Bordean, D.M., Andrica, F.M., Privistirescu, I.A., Gergen, I.I., Manganese, but not Copper, is Highly Responsive to Cadmium Accumulation in Snail Hepatopancreas 8 th National Congress with International Participation and 34th Annual Scientific Session of the Romanian Society for Cell Biology
- **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 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 beeshoney, cocoa and green coffee beans* - The 6th International Conference on Food Chemistry, Engineering Food Chemistry, Engineering & Technology