

INFORMAȚII PERSONALE

BORA FLORIN DUMITRU



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web of science Research ID J-1858-2019



bora_florin_dumitru

Gender Male | Date of birth 19/07/1987 | Nationality Romanian | Marital Status Single

WORK EXPERIENCE

October 3rd 2022 – Present Days

Scientific Researcher Grade I

University of Agricultural Sciences and Veterinary Medicine Cluj
3-5 Mănăstur Street, km 9, 400372, Cluj-Napoca, Cluj, Romania
www.usamvcluj.ro

Scientific Research Activity.

Activity field: Determination of pollutant inputs using ICP-MS; GC-MS and LC-MS/MS;

Faculty: **Horticulture**; Department: **Horticulture and Landscaping**.

Responsibilities:

- to coordinate the underlie, elaboration and support of research and development projects in order to attend to the competition as components of the National Plan for Research-Development and Innovation, funded from state budget funds;
- to ensure the coordination of internal scientific cooperation in relation to other research and development institutes in the country as well as with the technical universities;
- to periodically analyze the research and development stage of the achievement objectives included in the contracted programs and, depending on the obtained results, the development trends and opportunities for cooperation, to submit changes in the research and development strategy of the unit;
- to initiate and be responsible for promoting technology transfer projects based on the results of the completed research, in order to capitalize on the results of the completed research;
- to analyze and propose the acquisition of the necessary means for the research and development activity;
- to coordinate, substantiate, elaborate and defend in order to obtain both the medium and long term research and development strategy approval, and the strategy for developing testing, calibration and certification capacities of the electrical and technical equipment;
- to support the conducting of local, national and international interest scientific events;
- to support the staff training, selection and expertise for the scientific research activity.

May 10th 2022 –
October 3rd 2022

Delegated Scientific Secretary

Agricultural Research and Development Station Braila
Șoseaua Vizirului Street, km 9, 810570, Braila, România
www.scdabraila.ro

Scientific Research Activity.

Activity field: Determination of pollutant inputs using ICP-MS; GC-MS and LC-MS/MS;

Department: **Research Department**.

Responsibilities:

- to coordinate the underlie, elaboration and support of research and development projects in order to attend to the competition as components of the National Plan for Research-Development and Innovation, funded from state budget funds;
- to periodically analyze the research and development stage of the achievement objectives included in the contracted programs and, depending on the obtained results, the development trends and opportunities for cooperation, to submit changes in the research and development strategy of the unit;

- to initiate and be responsible for promoting technology transfer projects based on the results of the completed research, in order to capitalize on the results of the completed research;
- to analyze and propose the acquisition of the necessary means for the research and development activity;
- to coordinate, substantiate, elaborate and defend in order to obtain both the medium and long term research and development strategy approval, and the strategy for developing testing, calibration and certification capacities of the electrical and technical equipment;
- to support the conducting of local, national and international interest scientific events;
- to support the staff training, selection and expertise for the scientific research activity.

April 29th 2022 –
October 3rd 2022

Scientific Researcher Grade II

Agricultural Research and Development Station Braila
Șoseaua Viziului Street, km 9, 810570, Braila, România
www.scdabraila.ro

Scientific Research Activity.

Activity field: Determination of pollutant inputs using ICP-MS; GC-MS and LC-MS/MS;

Department: **Agrochemistry laboratory.**

Responsibilities:

- Development of the methods to determine the total concentration of N, P, K from the soil and plants samples;
- Analysis of soil supply with N, P, K;
- Determination of the micro, macroelements and heavy metals in the soil-plant chain;
- Establish the zonal print of plants by using isotopic ratios
- Establish the analysis methods regarding the metals and heavy metals determinations using ICP-MS;
- Establish the analysis methods regarding the pesticide determinations using the GC-MS and LC-MS/MS;

Participation in Scientific Sessions, National and International Symposia, Round Tables.

October 14th 2021 –
August 24th 2022

Scientific Researcher Grade II

Research - Development Station for Viticulture and Wine-making, Bujoru.

65 Erimia Grigorescu Street, 805200, Targu Bujor, Galati, Romania
www.scdvrbujoru.ro

Scientific Research Activity.

Activity field: Determination of pollutant inputs using ICP-MS; GC-MS and LC-MS/MS;

Department: **Laboratory of physico-chemical and biochemical tests.**

Responsibilities:

- Conducting analyzes on the nutritional status of the vine,
- Determination of micro-, macro-elements and heavy metals on the soil-plant (vine), must and wine chain.
- Determination of metals, heavy metals and pesticides from soil, plant and liquid samples;
- Establishing the area print of some grapevine varieties using isotopic ratios;
- Establishing the analysis methods for determining heavy metals and metals using ICP-MS;
- Establishing the analysis methods for pesticide determinations using GC-MS and LC-MS/MS;
- Responsible for the Food quality and safety Management following decision No 3 of 03.01.2019
- Scientific researcher II following the order of Minister no. 609 of 14.10.2021.

Participation in Scientific Sessions, National and International Symposia, Round Tables.

January 25th 2017 –
October 14th 2021

Scientific Researcher Grade III

Research - Development Station for Viticulture and Wine-making, Bujoru.

65 Erimia Grigorescu Street, 805200, Targu Bujor, Galati, Romania
www.scdvrbujoru.ro

Scientific Research Activity.

Activity field: Determination of pollutant inputs using ICP-MS; GC-MS and LC-MS/MS;

Department: **Laboratory of physico-chemical and biochemical tests.**

Responsibilities:

- Conducting analyzes on the nutritional status of the vine,
 - Determination of micro-, macro-elements and heavy metals on the soil-plant (vine), must and wine chain.
 - Determination of metals, heavy metals and pesticides from soil, plant and liquid samples;
 - Establishing the area print of some grapevine varieties using isotopic ratios;
- Establishing the analysis methods for determining heavy metals and metals using ICP-MS;
- Establishing the analysis methods for pesticide determinations using GC-MS and LC-MS/MS;
 - Responsible for the Food quality and safety Management following decision No 3 of 03.01.2019

Participation in Scientific Sessions, National and International Symposia, Round Tables.

December 15th 2016 –
January 25th 2017

Scientific Researcher

Research - Development Station for Viticulture and Wine-making, Bujoru.

65 Erimia Grigorescu Street, 805200, Targu Bujor, Galati, Romania

www.scdvrbujoru.ro

Scientific Research Activity.

Activity field: Determination of pollutant inputs using ICP-MS; GC-MS and LC-MS/MS;

Department: **Laboratory of physico-chemical and biochemical tests.**

Responsibilities:

- Conducting analyzes on the nutritional status of the vine,
 - Determination of micro-, macro-elements and heavy metals on the soil-plant (vine), must and wine chain.
 - Determination of metals, heavy metals and pesticides from soil, plant and liquid samples;
 - Establishing the area print of some grapevine varieties using isotopic ratios;
- Establishing the analysis methods for determining heavy metals and metals using ICP-MS;

- Establishing the analysis methods for pesticide determinations using GC-MS and LC-MS/MS;
- Responsible for the Food quality and safety Management following decision No 3 of 03.01.2019

Participation in Scientific Sessions, National and International Symposia, Round Tables.

June 1st 2015 –
December 14th 2016

Scientific Researcher

Research - Development Station for Viticulture and Wine-making, Bujoru.

65 Erimia Grigorescu Street, 805200, Targu Bujor, Galati, Romania

www.scdvrbujoru.ro

Scientific Research Activity.

Activity field: Determination of pollutant inputs using ICP-MS; GC-MS and LC-MS/MS;

Department: **Agrochemistry.**

Responsibilities:

- Conducting analyzes on the nutritional status of the vine,
 - Determination of micro-, macro-elements and heavy metals on the soil-plant (vine), must and wine chain.
 - Determination of metals, heavy metals and pesticides from soil, plant and liquid samples;
 - Establishing the area print of some grapevine varieties using isotopic ratios;
- Establishing the analysis methods for determining heavy metals and metals using ICP-MS;
- Establishing the analysis methods for pesticide determinations using GC-MS and LC-MS/MS;
 - Responsible for the Food quality and safety Management following decision No 3 of 03.01.2019

Participation in Scientific Sessions, National and International Symposia, Round Tables.

01 Iunie 2015 – 14 Decembrie
2016

February 2nd 2015 –
March 31st 2015

Volunteer as Research Assistant at the Department of Agrochemistry

Research - Development Station for Viticulture and Wine-making, Blaj,

2 Gh. Barițiu Street, 515400, Blaj, Alba, Romania

www.scdvrbblaj.ro

Scientific Research Activity.

Activity Field: Agrochemistry

Department: **Agrochemistry laboratory.**

Responsibilities:

- Conducting analyzes on the nutritional status of the vine,
- Determination of micro-, macro-elements and heavy metals on the soil-plant (vine), must and wine chain.
- Observations in field and laboratory.
- Conducting research projects at national and international level
- Participation in Scientific Sessions, National and International Symposia, Round Tables.

EDUCATION AND TRAINING

December 22nd 2020	Habilitation attestation – field of doctoral studies Horticulture (No. 6317 of 22.12.2020) The General Directorate of Higher Education, within the Ministry of Education and Research IOSUD University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca.
October 1st 2016 – July 6th 2018	MA - Agribusiness (MA - International, English) University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Department of Horticulture and Landscaping Econometrics, Logistics, Loccas.Prod. Manag., Financ. Management.
March 21st – June 28th 2014	Graduate of the Psychopedagogical Studies Program, level II. Department for Teacher Training, level II, USAMV Cluj-Napoca Adult Psychopedagogy, University Didactics, Program Design and Management, Pedagogical doctrines, Communication, Pedagogical practice.
October 18th 2013 – March 1st 2014	Graduate of the Psychopedagogical Studies Program, level I. Department for Teacher Training, 1st level, USAMV Cluj-Napoca Psychology, Pedagogy I (Education Theory), Pedagogy II (Instruction Theory), Classroom Management, CAE (computer-assisted Education), Specialty Didactics, Pedagogical practice.
2012 – 2015	PhD in Horticulture, Viticulture Field University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Department of Horticulture and Landscaping Methodology of the doctoral thesis development, principles of the agronomic and medical veterinary research methodology, Knowledge Management in preparation through doctoral studies.
June 2013	Specialization course: Project Manager Transylvania College Foundation Establishing the project purpose, Setting the integrated project management requirements, Planning the project activities and milestones, Managing the use of costs and operational resources for the project; Risk management; Project team management; Project communication management; Project quality management.
2010 - 2012	MA - Analytical Methods used in Environmental and Product Quality Control Technical University of Cluj-Napoca, Baia Mare University Centre Analysis by atomic and molecular spectrometry, Mass spectrometry, Quality systems, Chromatographic methods, Electrophoretic methods, Quality and analytical control of the environment, Electrochemical analysis methods, Instrumental methods of specializations, Chemometric.
2006 - 2010	Engineer in the food industry Northern University of Baia Mare, Faculty of Sciences Specialization: Food Control and expertise (CEPA) Inorganic and analytical chemistry, Organic chemistry, Ecology and environmental protection, Global food security policies and strategies, Biochemistry, Operative control methods in consumer protection, Food quality control.
2002 - 2006	Baccalaureate Bogdan Vodă High School, Viseu de Sus, Maramures, Romania Theoretical studies in humanities Specialization: Philology

SPECIFIC COURSES FOR THE ACTIVATION FIELD

April 6th 2022	Certificate of participation in the Webinar „GC troubleshooting tips and tricks from inlet through to detection”, conducted by Thermo Fisher Scientific.
April 5th 2022	Certificate of participation in the Webinar „Introduction to ICP spectrometry: Part 2”, conducted by Thermo Fisher Scientific.
April 4th 2022	Certificate of participation in the Webinar „Introduction to ICP spectrometry: Part 1”, conducted by Thermo Fisher Scientific.
March 8th 2022	Certificate of participation in the Webinar „Innovation Summit 2022 – Stay ahead with the new GC and GCMS technology” Session 1: The Revel, conducted by Thermo Fisher Scientific.
March 8th 2022	Certificate of participation in the Webinar „Innovation Summit 2022 – Stay ahead with the new GC and GCMS technology” Session 2: Applied Technology, conducted by Thermo Fisher Scientific.
February 24th 2022	Certificate of participation to „Emerging Sources Citation Index”, conducted by Web of Science Group by enformation platform.
February 21st 2022	Certificate of participation to „Căutarea, vizualizarea și analiza brevetelor”, conducted by Web of Science Group by enformation platform.
February 8th 2022	Certificate of participation in the Webinar „Virtual Summit Eastern Europe and Central Asia”, conducted by Springer Nature.
December 16th 2021	Certificate of participation to „Principalele noutăți Web of Science & inCites din 2021”, conducted by Web of Science Group by enformation platform.
December 14th 2021	Certificate of participation in „Metode de ameliorare a profilului de autor”, conducted by Web of Science Group by enformation platform.
November 30th 2021	Certificate of participation in the Webinar „Methods in Food Analysis – Part 2: Future Perspective”, conducted by Molecules MDPI.
November 29th 2021	Certificate of participation in the Webinar „Methods in Food Analysis – Part 1: Curent Trends”, conducted by Molecules MDPI.
November 19-20th 2021	Participation Diploma in the International Symposiom „Agriculture and Food Industry – Achievements and Perspectives”, conducted by the Faculty of Horticulture within the State Agrarian Universities from Republic of Moldova.
November 17th 2021	Certificate of participation in „Triple quadrupole ICP-MS Education Webinar” conducted by Thermo Fisher Scientific.
November 10th 2021	Certificate of participation in „ICP-OES Educational Webinar” II conducted by Thermo Fisher Scientific.
November 3rd 2021	Certificate of participation in „ICP-OES Educational Webinar” I conducted by Thermo Fisher Scientific.
July 1st 2021	Certificate of participation in „Webex Web of Science: 2021 Edition a Journal Citation Reports”, conducted by Web of Science Group by enformation platform.
June 28th 2021	Certificate of participation in „Investigarea, descoperirea și analiza unui subiect de cercetare: Vaccinul COVID”, conducted by Web of Science Group by enformation platform.
April 28th 2021	Certificate of participation in „Vizibilitatea activității de cercetare a instituției tale”, conducted by Web of Science Group by enformation platform.
April 26th 2021	Certificate of participation in „Noutăți Emerging Sources Citation Index”, conducted by Web of Science Group by enformation platform.
March 30th 2021	Certificate of participation in „Îmbunătățește-ți profilul de cercetător”, conducted by Web of Science Group by enformation platform.
March 25th 2021	Certificate of participation in „Integrarea datelor Web of Science”, conducted by Web of Science Group by enformation platform.
February 25th 2021	Certificate of participation in „Vizibilitatea și analiza conținutului Open Access în Web of Science”, conducted by Web of Science Group by enformation platform.
February 23rd 2021	Certificate of participation in „Webex Web of Science: O actualizare a noi platforme Web of Science”, conducted by Web of Science Group by enformation platform.
January 29th 2021	Certificate of participation in „Webex Web of Science: Gestionarea catalogului de bibliotecă cu instrumentele Web of Science”, conducted by Web of Science Group by enformation platform.
January 27th 2021	Certificate of participation in „Webex Web of Science: Datele de finanțare în Web of Science”, conducted by Web of Science Group by enformation platform.
January 18th 2021	Certificate of participation in „Webex Web of Science: Web of Science pentru începători”, conducted by Web of Science Group by enformation platform.
January 2021	Certificate of participation in „Successful research grant application – getting it right”, conducted by ELSEVIER by Research Academy platform.
January 2021	Certificate of participation in „Making sense of science stories”, conducted by ELSEVIER by Research Academy platform.
January 2021	Certificate of participation in „The origins of scientific publishing”, conducted by ELSEVIER by Research Academy platform.
January 2021	Certificate of completion of the “Funding” course, organized by ELSEVIER through the Research Academy platform.
December 2020	“Internal/managerial Control and risk Management” Course organized by APSAP Training Center.

December 2020	Certificate of participation in „Open Research at Taylor & Francis”, organised by Web of Science Group.
December 2020	Certificate of participation in „Webex Web of Science: Clarivate în ciclul de viață al inovației”, conducted by Web of Science Group through the enformation platform.
December 2020	Certificate of participation in „Cele mai importante momente ale Web of Science în 2020”, conducted by Web of Science Group, through the enformation platform.
December 2020	Certificate of participation in „What to expect from the Certified Peer Reviewer Course? conducted by ELSEVIER through Research Academy platform.
December 2020	Certificate of participation in „Introduction to the Certified Peer Reviewer Course”, conducted by ELSEVIER through Research Academy platform.
December 2020	Certificate of participation in „How to peer review a review article”, conducted by ELSEVIER through Research Academy platform.
December 2020	Certificate of participation in „10 reasons to get – and use – an ORCID iD”, conducted by ELSEVIER through Research Academy platform.
December 2020	Certificate of participation in „Discover how metrics can boost funding and networking opportunities”, conducted by ELSEVIER through Research Academy platform.
December 2020	Certificate of participation in „Funding hacks for researchers”, conducted by ELSEVIER through Research Academy platform.
December 2020	Course „Managementul resurselor umane” organized by Centrul de Formare APSAP.
September 2020	Course “HPLC System Optimization - EMEA”, organized by eLearning Phenomenex.
July 2020	Course “Structuring your article correctly”, organized by ELSEVIER through Research Academy platform.
July 2020	Course “How to prepare your manuscript”, organized by ELSEVIER through Research Academy platform.
July 2020	Course “How to write an abstract and improve your article”, organized by ELSEVIER through Research Academy platform.
July 2020	Certificate of participation in “Fundamentals of manuscript preparation”, organized by ELSEVIER through Research Academy platform.
July 2020	Certificate of participation in „Webex Web of Science: Cum se realizează o revizuire a literaturii”, organized by Web of Science Group through enformation platform.
July 2020	Certificate of participation in „Webex Web of Science: Personalizează experiența Web of Science”, organized by Web of Science Group through enformation platform.
July 2020	Certificate of participation in „Webex Web of Science: 2019 Journal Citation Reports”, organized by Web of Science Group through enformation platform.
July 2020	Certificate of participation in “The Basics of Solid Phase Extraction”, organized by eLearning Phenomenex platform.
July 2020	Certificate of participation in “Samples Preparation: Liquid/Liquid Extraction, Supported Liquid Extraction, Protein Precipitation and Phospholipid Depletion”, organized by Phenomenex platform.
July 2020	Certificate of participation in “How to secure funding – ECR Edition”, organized by ELSEVIER through Research Academy platform.

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Italian	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

COMMUNICATION SKILLS

- ability to communicate in writing and verbally, to understand and make people understand different messages in different situations;
- ability to read and understand different texts by adapting the right strategy purpose of reading (information / training / pleasure) to the different types of text;
- ability to write texts for multiple purposes;
- ability to monitoring the writing process, from "draft" to "imprint";
- ability to distinguish the relevant information from the irrelevant;
- ability to formulate self-arguments in a convincing manner and to take into account other viewpoints expressed verbally or in a written form;

SKILLS ORGANIZATIONAL / MANAGERIAL	➤ good communication skills gained through the personal experience as a sales manager. ➤ Capacity to synthesize and analyse, to take good decisions, good management skills and teamwork; ➤ leadership skills, decision-making ability, organizational skills, coordination skills; ➤ punctuality, ability to make decisions under stress and to respect deadlines; ➤ capacity to examine the professional skills of the contributors; ➤ a mind; ➤ ability to work in a team; ➤ competence to monitoring teamwork (quality control); ➤ ability to self-improvement, self-taught. These skills were acquired and improved during the doctorate through participation to various scientific events, but also through various research projects in which I operated as a member or project manager.
JOB-RELATED SKILLS	➤ good knowledge of the way the chemical elements can influence the plant and the fruit growth, and how to assess the effects of heavy metal pollution. ➤ These abilities were acquired and improved during the doctorate and during the experience gained from working in the agrochemical research lab.
DIGITAL COMPETENCES	➤ Basic PC knowledge of Microsoft Office™: Word, Excel, PowerPoint, Outlook, AutoCAD; ➤ advanced knowledge of Internet use; ➤ usage of statistical programs: SPSS Statistics 23, MVSP, CurvExpert.
OTHER SKILLS	➤ Participation and exhibition of scientific papers on subjects regarding the main macro-, microelements and heavy metals in vineyards' soils during the national and international scientific symposium sessions, ➤ Quality assessment of the wines from the affected by heavy metal pollution areas.
DRIVING LICENCE	➤ B obtained in 2007
HOBBIES	➤ Hunting and fishing
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	1. Member of the European Society for Isotope Research since 2017. 2. Member of the Romanian Horticulture Society (RHS) since 2015. 3. Member of Roses' Friends Association since 2012. 4. Member of the Society of Horticulture and Forestry in Transylvania (SHFT) since 2011.
TRAVEL RESEARCH	➤ 13 – 19 September 2015 Germania.
ATTENDINGS TO SCIENTIFIC DEMONSTRATIONS	1. International Conference (The 20th International Conference „Life Sciences for Sustainable Development) 23 – 24 septembrie 2021 Cluj-Napoca, România. 2. International Conference (Prospects for the 3rd Millennium Agriculture) 26 – 28 septembrie 2019 Cluj-Napoca, România. 3. International Conference (Prospects for the 3rd Millennium Agriculture) 27 – 29 septembrie 2018 Cluj-Napoca, România. 4. International Conference „Sustainable Economic and Social Development of Euroregions And Cross-Border Areas”. „Siret-Prut-Nistru” Euroregion, 10 Noiembrie, 2017 Iași, România. 5. International Conference („40 Years of Horticulture Education in Cluj-Napoca” Conference Faculty of Horticulture Cluj-Napoca) 26 – 27 septembrie 2017 Cluj-Napoca, România. 6. International Conference (Prospects for the 3rd Millennium Agriculture) 28 – 30 septembrie 2017 Cluj-Napoca, România. 7. International Conference Universitatea Dunărea de Jos din Galați, (The 8th International Symposium, EuroAliment) 7-8 Septembrie, 2017 Galați. 8. The XIVth Workshop of the European Society for Isotope Research – ESIR 2017) 25-29 Iunie 2017. 9. International U.A.B. – B.EnA Conferences, Environmental Engineering and Sustainable Development) 25-27 Mai 2017.

10. Participare la Simpozionul Național Demonstrativ organizat de Cromatec Plus Proficiency și Scient (Determinarea conținutului de alcool etilic din probele de sânge prin tehnica GC-FID) 9 Februarie 2017.
11. International Scientific Symposiom Horticulture, Food and Environment, Priorities and Perspectives) 27-28th 2016 Craiova, România.
12. International Conference CASEE 22-24 Mai 2016, Timișoara.
13. 150th Anniversary of Romanian Academy) 25 Noiembrie, 2016 Sustainable Economic and Social Development of Euroregions And Cross-Border Areas. "Siret-Prut-Nistru" Euroregion, Iași, România.
14. Prospects for the 3rd Millennium Agriculture) 29 – 01 octombrie 2016 Cluj-Napoca, România.
15. The powerful mass spectrometry (LC-MS / MS) in food, environmental and forensic. New challenges in compliance with legislation" 18-19 Mai 2016.
16. Prospects for the 3rd Millennium Agriculture 24 – 26 septembrie 2015 Cluj-Napoca, România.
17. Prospects for the 3rd Millennium Agriculture 25 – 27 septembrie 2014 Cluj-Napoca, România.
18. Prospects for the 3rd Millennium Agriculture 26 – 28 septembrie 2013 Cluj-Napoca, România.
19. Participare la Sesiunea anuală de comunicări științifice ale studenților, 28 mai 2010, Baia Mare, România.

List of Scientific Works

1. L. Mihaly Cozmuta, A. Peter, C. Nicula, A. Jastrzębska, M. Jakubczak, M.A.K. Purbayanto, A. Bunea, F. Bora, A. Uivarasan, Z. Szakács, A. Mihaly Cozmuta. Exploring the impact of microwaves, ultrasounds, UVA light, and X-rays on polyphenols in alginate–whey protein matrix–encapsulated red grape seed extract powder. *Applied Food Research* 2025, 5(1): 100658; <https://doi.org/10.1016/j.afres.2024.100658> Journal Rank – Q1. (Impact Factor 4.500). WOS:-.
2. Aida Albu, **Bora F.D.**, Simona-Maria Cucu-Man, Vasile Stoleru, Cătălin-Emilian Nistor, Ioan Sebastian Brumă, Oana-Raluca Rusu. Assessing honey quality: A focus on some physiochemical parameters of honey from Iași Country (Romania). *Agriculture* 2025, 15(3), 333; <https://doi.org/10.3390/agriculture15030333> Journal Rank – Q1. (Impact Factor 3.300). WOS:-.
3. Fechet F.I., Popescu M., Mârza S.M., Olar L.E., Papuc I., Beteg F.I., Purdoi R.C., Codea A.R., Lăcătuș C.M., Matei I.R., Lăcătuș R., Hoble A., Petrescu-Mag I.V., **Bora F.D.** Spatial and Bioaccumulation of Heavy Metals in a Sheep-Based Food System: Implications for Human Health. *Toxics* 2024, 12(10), 752; <https://doi.org/10.3390/toxics12100752> Journal Rank – Q1. (Impact Factor 3.900). WOS:001342516800001.
4. **Bora F.D.**, Andrean A.F., Călugăr A., Bunea C.I. Popescu M., Petrescu-Mag I.V., Bunea A. Comprehensive Elemental Profiling of Romanian Honey: Exploring Regional Variance, Honey Types, and Analyzed Metals for Sustainable Apicultural and Environmental Practices. *Foods* 2024, 13(8), 1253; <https://doi.org/10.3390/foods13081253> Journal Rank – Q1. (Impact Factor 4.700). WOS:001210355300001
5. Filimon R.M., Bunea C.I., Filimon R.V., **Bora F.D.**, Damian D. Long-term evolution of the climatic factors and its influence on grape quality in northeastern Romania. *Horticulturae* 2024, 10(7), 705; <https://doi.org/10.3390/horticulturae10070705> Journal Rank – Q1. (Impact Factor 3.100). WOS:001278881600001
6. Mihaly-Cozmuta A., Peter A., Nicula C., Jakubczak M., Purbayanto M.A.K., Bunea A., **Bora F.D.**, Uivarasan A., Mihaly-Cozmuta L. The impact of visible light component bands on polyphenols from red grape seed extract powder encapsulated in alginate-whey protein matrix. *Food Chemistry: X*, 2024, 23:101758. <https://doi.org/10.1016/j.fochx.2024.101758> Journal Rank – Q1. (Impact Factor 6.500). WOS:
7. **Bora F.D.**, Babeș A., Călugăr A., Jitea I.M., Hoble A., Filimon V.R. Bunea A., Nicolescu A., Bunea C.I. Unravelling Heavy Metal Dynamics in Soil and Honey: A Case Study from Maramureș Region, Romania. *Foods* 2023, 12(19), 3577. <https://doi.org/10.3390/foods12193577> Journal Rank – Q1. (Impact Factor 5.200). WOS:001097263700001
8. Filimon V.R., Bunea C.I., **Bora F.D.**, Filimon R.M., Dunca, S.I., Rózsa S., Ciurlă L., Patraș A. (2023). Characterization, Phenolic Compound Extraction and Biological Activity of Grapevine (*Vitis vinifera* L.) Canes. *Horticulturae* 2023, 9(11), 1164. <https://doi.org/10.3390/horticulturae9111164>. Journal Rank – Q1. (Impact Factor 3.100). WOS:001114956000001

Published articles in ISI*
Journals

9. Buta E., Borșan I.L., Omotă, M., Trif E.B., Bunea C.I., Mocan A., **Bora F.D.**, Rózsa S., Nicolescu A. (2023). Comparative Phytoremediation Potential of *Eichhornia crassipes*, *Lemna minor*, and *Pistia stratiotes* in Two Treatment Facilities in Cluj County, Romania. Horticulturae 2023, 9(4), 503. <https://doi.org/10.3390/horticulturae9040503>. Journal Rank – Q1. (Impact Factor 3.100). WOS:000977831800001
10. **Bora F.D.**, Bunea A., Pop S.R., Baniță S.I., Dușa D.Ș. (2022). Quantification and reduction in heavy metals residues in some fruits and vegetables: A case study Galați Country, Romania. Horticulturae 8(11), 1034. <https://doi.org/10.3390/horticulturae8111034>. Journal Rank – Q1. (Impact Factor 2.923).
11. **Bora F.D.**, Călugăr A., Bunea C.I., Rozsa S., Bunea A. (2022). Assessment of physicochemical, macro- and microelements, heavy metals and related human health risk from organically, conventionally and homemade Romanian wines. Horticulturae 8(5), 382. <https://doi.org/10.3390/horticulturae8050382>. Journal Rank – Q1. (Impact Factor 2.923). WOS:000801472300001
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* ORDER no. 4478 of June 23, 2011 regarding the approval of the minimum necessary and mandatory standards for the awarding of didactic titles in higher education, professional research-development degrees and qualification certificates, for the scientific fields related to panels on fundamental fields
P1 - Mathematics and Natural Sciences, P2 - Engineering Sciences and P3 - Sciences biomedical within the National Council for the Attestation of University Titles, Diplomas and Certificates

ART. 1

- (1) An ISI-cited journal is a journal for which Thomson Reuters calculates and publishes the impact factor in Journal Citation Reports.

** ORDER no. 4692 of July 29, 2011 regarding the approval of the minimum necessary and mandatory standards for the awarding of didactic titles in higher education, professional research-development degrees and qualification certificates, for the scientific fields related to the panel on fundamental fields P5 - Arts and humanities within the Council National Attestation of University Titles, Diplomas and Certificates

***ORDER 6129 of December 20, 2016 approving the minimum necessary and mandatory standards for the awarding of teaching titles in higher education, professional degrees in research and development, the quality of doctoral supervisor and the qualification certificate.

ART. 1

- (1) (1) An ISI indexed journal is a journal indexed in Science Citation Index Expanded, Social Sciences Citation Index.

The international databases (BDI) considered for articles published in journals and in the volumes of scientific events, with the exception of articles published in ISI-quoted journals / proceedings, are those recognized on an international scientific level, such as (non-limiting): Scopus, IEEE Xplore, Science Direct, Elsevier, Wiley, ACM, DBLP, Springer link, Engineering Village, Cabi, Emerald, CSA, Compendex, INSPEC, Thomson Reuters Master Journal List, DOAJ, AGRICOLA.

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REVIEWER AT ISI JOURNALS

1. Environmental Science and Pollution Research.
2. Carpathian Journal of Food Science and Technology.
3. Food Research International.
4. Environmental Science and Pollution Research.
5. Catena (2022). Journal Rank – Q1 (Impact Factor 6.367).
6. MDPI – Agronomy (2022). Journal Rank – Q1 (Agronomy) (Impact Factor 3.949).

REVIEWER AT BDI JOURNALS

1. Advances in Agriculture & Botany - International Journal of the Bioflux Society (AAB Bioflux) Online ISSN 2067-6352; Print ISSN 2066-7639;
2. Advances in Agriculture & Botany - International Journal of the Bioflux Society (AAB Bioflux) Online ISSN 2067-6352; Print ISSN 2066-7639;
3. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture Online ISSN 1843-5394; Print ISSN 1843-5254;
4. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Animal Science and Biotechnologies Online ISSN 1843-536X; Print ISSN 1843-5262;
5. Academic Research Journal of Agricultural Science and Research ISSN: 2360-7874;
6. Aquaculture, Aquarium, Conservation & Legislation – International Journal of the Bioflux Society Online ISSN 1844-9166; Print ISSN 1844-8143;
7. Extrem Life, Biospeology & Astrobiology International Journal of the Bioflux Society (ELBA Bioflux) ISSN 2067-6360 (online);
8. Journal of Animal Science and Veterinary Medicine ISSN: 2536-7099;
9. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture Online ISSN 1843-5394; Print ISSN 1843-5254;
10. International Research Journal of Agricultural and Food Sciences;
11. Aquaculture, Aquarium, Conservation & Legislation – International Journal of the Bioflux Society (AACL Bioflux) Online ISSN 1844-9166; Print ISSN 1844-8143;
12. Animal Biology & Animal Husbandry – International Journal of the Bioflux Society (ABAH Bioflux) Online ISSN 1844-9166; Print ISSN 1844-8143;
13. Extrem Life, Biospeology & Astrobiology International Journal of the Bioflux Society (ELBA Bioflux) ISSN 2067-6360;
14. Technium: Romanian Journal of Applied Sciences and Technology ISSN 2668-778X;

15. Bragantia ISSN 1678-4499;
16. Academic Research Journal of Agricultural Science and Research ISSN 2360-7874;
17. Journal of Experimental Agriculture International (ISSN: 2457-0591);
18. International Research Journal of Public and Environmental Health (ISSN 2360-8803);
19. Journal of Agricultural Science and Practice (ISSN: 2536-7072).

EDITOR OF INDEXED BDI JOURNALS

1. Advances in Environmental Sciences - International Journal of the Bioflux Society.
2. Advances in Agriculture & Botany - International Journal of the Bioflux Society.
3. Animal Biology & Animal Husbandry - International Journal of the Bioflux Society.
4. Extreme Life, Biospeology & Astrobiology - International Journal of the Bioflux Society.
5. Aquaculture, Aquarium, Conservation & Legislation - International Journal of the Bioflux Society.

SCIENTIFIC COORDINATOR FOR UNDERGRADUATE THESES

1. Studiul privind comportarea unor soiuri de struguri pentru vinuri roșii, în condițiile podgoriei Dealu Bujorului.
2. Studiul privind calitatea unor vinuri albe din podgoria Dealu Bujorului.
3. Studiul privind principalii parametri oenologici la unele vinuri albe de calitate superioară obținute în SCDVV Bujoru.

INTERNATIONAL RESEARCH PROJECTS

1. **PROGRAM PN III EUROPEAN AND INTERNATIONAL COOPERATION SUB-PROGRAMME 3.1. BILATERAL/MULTILATERAL, UEFISCDI. CONTRACT 21BM/2016 WITH THE REPUBLIC OF MOLDOVA.** "Comparative evaluation of conventional and conservative tillage systems regarding carbon sequestration and the establishment of sustainable agroecosystems".
Position held within the project: Member of the research project.
2. **PROGRAM PN III EUROPEAN AND INTERNATIONAL COOPERATION SUB-PROGRAMME 3.1. BILATERAL/MULTILATERAL, UEFISCDI. CONTRACT 18BM/2016 WITH THE REPUBLIC OF MOLDOVA.** "Integration of ecological infrastructures in urban and peri-urban through sustainable spatial planning".
Position held within the project: Member of the research project.

NATIONAL RESEARCH PROJECTS

1. **1. Sectoral Research and Development Plan of the Ministry of Agriculture and Rural Development "ADER 14.2.2", Total Project Value 712,850.00 lei from 27.10.2015 to 31.10.2018; Bujoru SCDVV value 427,710.00 lei**
"Studies on the assessment and quantitative monitoring of contaminants in the wine-wine chain aiming to minimize the level of pesticides and heavy metals as the main pollutants".
Position held within the project: **Director of the research project.**
2. **Sectoral Research and Development Plan of the Ministry of Agriculture and Rural Development "ADER 7.5.5", Total Project Value 600,000.00 lei from 30.09.2019 to 31.12.2022; Bujoru SCDVV value 100,000.00 lei**
"Research on alcohol management for the production of low alcohol wines".
Position held within the project: **Research project manager.**
3. **Sectoral Research and Development Plan of the Ministry of Agriculture and Rural Development "ADER 7.1.2", Total Project Value 800,000.00 lei from 30.09.2019 to 31.12.2022; Value SCDVV Bujoru 120,000.00 lei**
"Selection, conservation and exploitation of the biodiversity of yeasts from the zonal viticultural microbiota".
Position held within the project: **Member of the research project.**
4. **Sectoral Research and Development Plan of the Ministry of Agriculture and Rural Development "ADER 7.1.3", Total Project Value 850,000.00 lei from 03.10.2019 to 31.12.2022; Bujoru SCDVV value 100,000.00 lei**
"Improving the assortment of varieties for table grapes to create genotypes adaptable to stressful environmental factors, while maintaining high standards of quality and profitability".
Position held within the project: **Member of the research project.**

5. **Sectoral Research and Development Plan of the Ministry of Agriculture and Rural Development "ADER 7.3.3", Total Project Value 1,500,000.00 lei from 02.10.2019 to 31.12.2022; Bujoru SCDVV value 100,000.00 lei**
"Research on the viticultural fit of grapevine varieties for table and wine in the context of climate change".
Position held within the project: **Member of the research project.**
6. **Sectoral Research and Development Plan of the Ministry of Agriculture and Rural Development "ADER 7.5.3", Total Project Value 1,000,000.00 lei from 21.10.2019 to 31.12.2022; Bujoru SCDVV value 100,000.00 lei**
"Identification of wood fungal diseases in grapevine by molecular methods".
Position held within the project: **Member of the research project.**
7. **Sectoral Research and Development Plan of the Ministry of Agriculture and Rural Development "ADER 25.1.3", Total Project Value 1,600,000.00 lei from 26.09.2019 to 31.12.2022; Bujoru SCDVV value 54,000.00 lei**
"Innovative mechanization technology for the maintenance of vine plantations".
Position held within the project: **Member of the research project.**
8. **Sectoral Research and Development Plan of the Ministry of Agriculture and Rural Development "ADER 3.1.1", Total Project Value 1,062,850.00 lei from 29.10.2015 to 31.10.2018; Bujoru SCDVV value 72,000.00 lei**
"Conserving and managing genetic resources and biodiversity of viticultural agro-ecosystems, by developing and promoting innovative eco-efficient practices and methods friendly to the environment".
Position held within the project: **Member of the research project.**
9. **Sectoral Research and Development Plan of the Ministry of Agriculture and Rural Development "ADER 3.3.8", Total Project Value 1,162,850.00 lei from 16.10.2015 to 31.10.2018; Bujoru SCDVV value 145,000.00 lei**
"Adaptation of vine cultivation technologies to the ecological system, by maximizing the use of biotic and abiotic resources of the viticultural ecosystem, in order to preserve its biodiversity".
Position held within the project: **Member of the research project.**
10. **Sectoral Research and Development Plan of the Ministry of Agriculture and Rural Development "ADER 3.2.5", Total Project Value 1,062,850.00 lei from 29.10.2015 to 31.10.2018; Bujoru SCDVV value 92,000.00 lei**
"Viticultural Assortment Diversification for Table and Wine Grapes".
Position held within the project: **Member of the research project.**
11. **Sectoral Research and Development Plan of the Ministry of Agriculture and Rural Development "ADER 3.1.3", Total Project Value 712,850.00 lei from 29.10.2015 to 31.10.2018; Bujoru SCDVV value 71,285.00 lei**
"Development and modernization of viticultural germplasm collections for the purpose of long-term conservation of biological material of national value".
Position held within the project: **Member of the research project.**
12. **Sectoral Research and Development Plan of the Ministry of Agriculture and Rural Development "ADER 3.3.10", Total Project Value 962,850.00 lei from 16.10.2015 to 31.10.2018; Bujoru SCDVV value 116,000.00 lei**
"Research on the identification and definition of typical elements of Romanian wines. Capitalizing on the sanogenic potential of wines by increasing the phenolic content".
Position held within the project: **Member of the research project.**
13. **Sectoral Research and Development Plan of the Ministry of Research and Innovation "3PS", Total Project Value 4,000,000.00 lei from 02.11.2017 to 10.12.2018; Bujoru SCDVV value 400,000.00 lei**
"Research in support of developing the capacity to assess and mitigate the impact of climate change and other stressors on the state of forest ecosystems and viticultural crops"
Position held within the project: **Member of the research project.**

AWARDS

1. Diploma for the best scientific paper of the conference section FOOD ENVINEERING for the article: Compositional characteristics of low-alcohol wines obtained by staggered grape harvesting technology held at the international symposium "LIFE SCIENCES TOTAY FOR TOMORROW" October 21-22, University of Life Sciences "Ion Ionescu from Brad", Iasi, Romania.

2. BORA F.D., Bunea C.I., Chira R. I., Bunea A. (2020). Assessment of the quality of polluted areas in northwest Romania based on the content of elements in different organs of grapevine (*Vitis vinifera* L.). *Molecules* 25, 750. <https://doi.org/10.3390/molecules25030750>. (Impact factor 3.060). WOS:000515384800320" by the Executive Unit for the Financing of Higher Education, Research, Development and Innovation (UEFISCDI) in 2020 (PN-III-P1-1.1.-PRECISI-2020-41273).
3. Călugăr A., Corbean D., Pop N., Bunea C.I., Babeș A.C., Iliescu M., BORA F.D., Muresan I.C. (2020). The economic impact of paraffin type and substrate mixture on the production of Grafted vines - case study Muscat Ottonel. *Agronomy* 10(10): 1584. <https://doi.org/10.3390/agronomy10101584>: (Impact factor 2.603). WOS:000564795200001" by the Executive Unit for the Financing of Higher Education, Research, Development and Innovation (UEFISCDI) in 2020 (PN-III-P1-1.1.-PRECISI-2020-52282).
4. Award for the project (October 2018). "Studies regarding the evaluation and quantitative monitoring of contaminants in the wine-growing chain aimed at minimizing the level of pesticides and heavy metals as the main pollutants" offered by the Romanian Society of Horticulturists on the occasion of the 12th Congress, dedicated to the Union Centenary".
5. BORA F.D., Bunea C.I., Rusu T. and Pop N. (2015). Vertical distribution and analysis of micro-, macroelements and heavy metals in the system soil-grapevine-wine in vineyard from Romania North-West. *Chemistry Central Journal* 9:19. DOI: 10.1186/s13065-015-0095-2. (Impact factor 2.552). WOS:000353108400002" by the Executive Unit for the Financing of Higher Education, Research, Development and Innovation (UEFISCDI) in 2015 (PN-II-RU-PRECISI-2015-9-8351).

Data	Signature
01.09.2025	Senior Scientific Research I Ph. D. Habil. Florin Dumitru BORA

