

PERSONAL INFORMATION **MARC (maiden name VLAIC) Romina Alina**



WORKPLACE / OCCUPATIONAL FIELD

University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca / Education and research

WORK EXPERIENCE

- Feb 2020-present **Lecturer PhD**
 Department of Food Engineering, Faculty of Food Science and Technology, UASVM Cluj-Napoca, 3-5 Calea Mănăştur street, Cluj-Napoca, 400372, www.usamvcluj.ro

 - Teaching and research activities. **Course:** Food safety management; Food rheology, Quality Management applied in Gastronomy. **Practical work:** Food quality control, Food rheology, Food safety management, Food quality management, Quality Management applied in Gastronomy, Sensory evaluation of agro-food products
- Feb 2017- Feb 2020 **Assistant Prof.**
 Department of Food Engineering, Faculty of Food Science and Technology, UASVM Cluj-Napoca, 3-5 Calea Mănăştur street, Cluj-Napoca, 400372, www.usamvcluj.ro

 - Teaching and research activities. Practical works with students: Food quality control, Food rheology, Food safety management systems, Food quality management

Type or sector of activity: higher education
- 2016-2017 **Associate teacher**
 Department of Food Engineering, Faculty of Food Science and Technology, UASVM Cluj-Napoca, 3-5 Calea Mănăştur street, Cluj-Napoca, 400372, www.usamvcluj.ro

 - Teaching and research activities. Practical works with students: Food quality control, Food rheology, Food safety management systems, Food quality management

Type or sector of activity: higher education
- 2013-2016 **Associate teacher**
 Department of Food Engineering, Faculty of Food Science and Technology, UASVM Cluj-Napoca, 3-5 Calea Mănăştur street, Cluj-Napoca, 400372, www.usamvcluj.ro

 - Teaching and research activities. Practical works with students: Food quality control, Machines in the food industry.

Type or sector of activity: higher education

EDUCATION AND TRAINING

- Oct. 2012-Oct. 2015 **PhD Degree** Level 8 EQF
 UASVM-CN, Cluj-Napoca, Romania

 - Field: Agriculture
 - Title of the PhD thesis: Research on the assessment of biochemical evaluation for three plum varieties during fruit growth and development
- Oct. 2010-Jul. 2012 **Master's degree** Level 7 EQF

	Faculty of Agriculture, UASVM-CN, Cluj-Napoca, Romania ▪ Specialization: Food Safety and Consumer Protection	
Oct. 2006-Jul. 2010	Engineer degree Faculty of Agriculture, UASVM-CN, Cluj-Napoca, Romania ▪ Profile: Food Engineering ▪ Specialization: Technology of Agricultural Products Processing	Level 6 EQF
Oct. 2002-Jul. 2006	High school degree Theoretical High School 'Pavel Dan', Câmpia Turzii, Cluj, România ▪ Profile: Chemistry-biology	Level 3 EQF

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Certificate of Language Proficiency , Access Language Centre, 2020. Level B2					
Spanish	B1	B1	B1	B1	A1
French	A1	A1	A1	A1	A1

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

Communication skills

- Good communication skills acquired through their own teaching experience at university and post-university level
- Good communication skills acquired through their own experience as a participant in conferences and teaching mobility

Organisational / managerial skills

- Project manager for 6 projects won through national competition and member in 7 others;
- Member of the organizing committee of the student symposium (2018, 2019)
- Member of the organizing committee of the international symposium "Prospects for the 3rd Millennium Agriculture" (2018, 2019)
- Member of the commission for the promotion of the study programs of the UASVM-CN (2016-2019)
- Member in the commissions for the license exam (2018 Agricultural Products Processing Technology)
- Member in the commissions for the license exam (2019 Control and expertise of food products)

Job-related skills

- Good knowledge of food analysis techniques

Digital skills

- Good command of Microsoft Office tools (Word, Excel and PowerPoint) as well as programs such as: EndNote, Minitab, Unscrambler

Other skills

- Competences in coordinating didactic and research activities with students as tutor or scientific coordinator (bachelor's, master's degree, student scientific communications, professional-scientific competitions)

Driving licence

- A, B

ADDITIONAL INFORMATION

Field(s) of interest

- Plant science, Food science, Food safety, Food security, Biotechnology, Food chemistry, Sensory analysis, Molecular biology, Genetically modified foods, Organic food, Food processing, Food Technology, Functional food, Innovative food, Nutrition, Biotechnology, Agriculture

Publications/ Conferences

- **135 publications** of which **84** in Web of Science
- **63** international conferences
- Citations: >4400 in Google Scholar; >2200 in Web of Science
- Hirsch index: **34** in Google Scholar; **26** in Web of Science

Honours and awards

- **77** national/ international awards

Erasmus Presentations

- May 21-25, 2018, Spain, Miguel Hernandez University, Erasmus Staff Mobility - Teaching Assignment Program, Department of Agricultural and Food Sciences
- May 27-31, 2019, Spain, Miguel Hernandez University, Erasmus Staff Mobility - Teaching Assignment Program, Department of Agricultural and Food Sciences
- June 13-19, 2019, Serbia, Higher Business School of Leskovac, Erasmus Staff Mobility-Teaching Assignment Program
- June 23-29, 2024, Italy, University of Camerino, Erasmus Programme Staff Mobility- Teaching Assignment
- 21-29 June 2025, Bulgaria, University of Food Technologies Plovdiv, Erasmus Programme Staff Mobility- Teaching Assignment

Projects

Project coordinator

- Project PN-III-P1-1.1-MC-2019-1170, Contract de cercetare 237 CI/2019 (Noiembrie 2019), Subprogram 1.1 - Human resources - Mobility projects for researchers, Competition 2019
- PN-III-P1-1.1-MC-2018-0285 project, Research contract 31 CI / 2018 (November 2018), Subprogram 1.1 - Human resources - Mobility projects for researchers, Competition 2018
- PN-III-P1-1.1-MC-2017-0990 project, Research contract 181 CI / 2017 (March 2018), Subprogram 1.1 - Human resources - Mobility projects for researchers, Competition 2018
- PN-III-P2-2.1-CI-2018-1352 project, research contract 232 CI / 2018 (July - December 2018): Innovative menus for preschoolers
- PN-III-P2-2.1-CI-2018-1428 project, Research contract 245 CI / 2018 (September - December 2018): Innovative confectionery
- Project PN-III-P2-2.1-CI-2018-0722, Research contract 141 CI / 2017 (September 2017 - December 2018): Higher use of flour from hemp seeds, nettle seeds and mushrooms in order to obtain assortments innovative bakery by fortifying them
- Project PN-III-P2-2.1-CI-2017-0331, Research contract 57 CI / 2017 (July - December 2017): Higher capitalization of lentil flour in order to obtain innovative meat preparations by fortifying them

Member

- PN-III-P2-2.1-CI-2017-0786 project, Research contract no. 133CI (September 2017 - March 2018): Bioconversion of fruits resulting from physiological falls into compositions rich in biologically active principles
- PN-III-P2-2.1-CI-2017-0766 project, Research contract no. 138CI (September 2017 - March 2018): Innovative approach to the technology of manufacturing aerated sugar products by optimizing the composition links - process parameters - texture - stability
- PN-III-P2-2.1-CI-2017-0960 project, Research contract no. 161CI (July - December 2018): Innovative ingredients used to make cheese
- PN-III-P2-2.1-CI-2017-1367 project, Research contract no. 236CI / 2018 (July - December 2018): Innovative culinary concept for reformulating personalized menus with high nutritional value
- PN-III-P2-2.1-CI-2017-1047 project, Research contract no. 181CI / 2018 (July - December 2018): Flour-based nutritional sticks compositions from seed-dried seeds from cucurbitaceae, asteraceae and amaranthaceae families
- Project PN-III-P2-2.1-CI-2017-0343, Research contract no. no. 58CI / 2017 (July - December 2017): Fortified innovative meat preparations
- Project PN-II-IN-CI -2013 -1- 0048, Research contract no 186CI / 2013 (October 2013 - April 2014): Technology for obtaining a functional mustard assortment with extract from medicinal plants

National specialty books

- Muresan C.C., **Marc R.A.**, 2021, Siguranța alimentară - trecut și prezent/Food security - past and present, Risoprint Cluj-Napoca Publishing, ISBN 978-973-53-2732-3
- **Vlaic RA**, Trasabilitatea compușilor biochimici din fructele de prun/Traceability of biochemical compounds from plum fruits, 2019, MEGA Publishing, Cluj-Napoca. ISBN: 978-606-020-105-2 2019

Didactic books

- **Marc R.A.**, Mureșan C.C., Managementul siguranței alimentelor, manual didactic ID 2024, AcademicPres Publishing, eISBN 978-630-309-089-4
- **Marc R.A.**, Mureșan C.C., Managementul siguranței alimentelor, 2023, AcademicPres Publishing, ISBN 978-630-309-055-9
- Mureșan C.C., **Marc R.A.**, Controlul calitatii produselor vegetale, manual didactic id, 2022, AcademicPres,USAMV CLUJ, eISBN 978-973-744-963-4

Practical worksheets for students

- **Marc R.A.**, Mureșan C.C., Managementul siguranței alimentelor, îndrumător de seminar, 2024, AcademicPres Publishing, ISBN 978-630-309-119-8
- **Vlaic R.A.**, C.C. Mureșan, Controlul calitatii produselor de origine non-animala, 2019, Editura Mega, ISBN 978-606-020-067-3

Books published by international publishers - Editor (Coordinator)

- Roxana Nicoleta Ratu, **Romina Alina Marc**, Andruța Elena Mureșan, Food Processing - Novel Technologies and Practices, Editura IntechOpen, ISBN 978-1-83634-631-9
- **Marc R.A.** Mureșan C.C, Postolache AN, Nut Consumption and its Usefulness in the Modern World, 2024, Editura IntechOpen, ISBN 978-0-85466-806-9
- **Marc R.A.** Mureșan C.C., New Insights in Dietary Fibers, 2024, Editura IntechOpen
- **Marc R.A.** Mureșan C.C., New Discoveries in the Ripening Processes, 2023, Editura IntechOpen, ISBN 978-0-85014-126-9
- **Marc R.A.**, Implications of Mycotoxins in Food Safety, 2022, IntechOpen Publishing, <http://dx.doi.org/10.5772/intechopen.102495> ISBN 978-1-83962-904-4
- **Marc R.A.**, Introductory Chapter: A Global Presentation on Trends in Food Processing, 2020, IntechOpen Publishing, DOI: <http://dx.doi.org/10.5772/intechopen.91947> ISBN 978-1-78985-894-5

Chapters in international specialty books

- Ioana Cristina Crivei, **Romina Alina Marc**, Roxana Nicoleta Ratu, Florina Stoica, Ionut Dumitru Velescu, Florin Daniel Lipsa, Georgiana Smaranda Martis, Crina Carmen Muresan, Cristina Gabriela Constrantinescu Pop, Alina Narcisa Postolache, Flavonoids for salt stress regulation, Academic Press, <https://doi.org/10.1016/B978-0-443-26795-6.00009-X>
- **Marc Romina Alina**, Crina Carmen Mureșan, Anamaria Pop, Georgiana Smaranda Marțiș, Alina Narcisa Postolache, Florina Stoica, Ioana Cristina Crivei, Ionuț-Dumitru Veleşcu and Roxana Nicoleta Rațu, Global Trends Regarding Food Assurance, 2025, IntechOpen, DOI: 10.5772/intechopen.1014033
- Roxana Nicoleta Rațu, Florina Stoica, Ioana Cristina Crivei, Ionuț Dumitru Veleşcu, Vlad Nicolae Arsenoiaia, Crina Carmen Mureșan, **Romina Alina Marc** and Florin Daniel Lipsa, Valorisation of Fruit and Vegetable By-Products in Dairy Product Technologies: A Sustainable Approach to Functional Food Development, 2025, IntechOpen, DOI: 10.5772/intechopen.1013256
- **Marc R.A.**, Mureșan CC, Pop A, Marțiș GS, Mureșan AE, Pușcaș A, Postolache AN, Stoica F, Crivei IC, Veleşcu ID, Rațu RN, Dietary Fibers and Their Importance in the Diet, 2024, DOI: 10.5772/intechopen.115461
- **Marc R.A.**, Mureșan CC, Pop A, Marțiș GS, Mureșan AE, Pușcaș A, Postolache AN, Stoica F, Crivei IC, Veleşcu ID, Rațu RN, An Overview of the Characteristics, Advantages, and Uses of Nuts, 2024, IntechOpen Publishing, DOI: 10.5772/intechopen.1006492
- Umbreen H., Khalid K., Khalid A., Noreen R., **Marc R.A.**, Sacred Basil, 2023, Springer Publishing, DOI: https://doi.org/10.1007/9783031354038_25
- Hameed M., Aslam H.N., **Marc R.A.**, Irimie M., Bhumyamalaki, 2023, Springer Publishing, DOI: https://doi.org/10.1007/9783031354038_40
- **Marc R.A.**, Implications of Mycotoxins in Food Safety, 2022, IntechOpen Publishing, DOI: <http://dx.doi.org/10.5772/intechopen.102495>
- **Marc R.A.**, Introductory Chapter: A Global Presentation on Trends in Food Processing, 2020, IntechOpen Publishing, DOI: <http://dx.doi.org/10.5772/intechopen.91947>
- **Vlaic R.A.**, C.C. Mureșan, S. Muste, A. Mureșan, V. Muresan, R. Suharoschi, G. Petruț, M. Mihai, Food Fortification through Innovative Technologies, 2019, Editura IntechOpen, DOI: 10.5772/intechopen.82249
- Suharoschi R., O.L. Pop, **R.A. Vlaic**, C.I. Muresan, C.C. Muresan, A. Cozma, A. V. Sitar-Taut, R. Vulturar, S. Codruta Heghes, A. Fodor, C.A. Iuga, Dietary Fiber and Metabolism, 2019, Editura Academic Press is an imprint of Elsevier, ISBN 978-0-12-816495-2

Patents/Patent Applications

- 3 Patent No. 133596 of 30.03.2023, No. 133598 of 30.01.2023, No. 134168 of 30.01.2023
- 5 Patent applications

Member in professional associations

- Slow Food International
- Association of Food Industry Specialists in Romania (ASIAR), from education, research and production
- Association of Specialists in Milling and Baking in Romania

- Certifications**
- Certificate of professional competences (2013) - Project manager
 - Certificate of professional competences (2018) - Trainer
 - Graduation certificate (2016) - Course Training of specialists for the food safety management system according to HACCP, GMP, GLP, GHP principles
 - Certificate of graduation (2018) - IFS course 6.1
 - Certificate of graduation (2019) - Internal Auditor Course for food safety management systems according to the international standard ISO 22000: 2018 and SR EN ISO 19011: 2018
 - Graduation certificate (2023) – IFS Food V8 Auditor Course
- Reviewer**
- Food Control; Scientific Reports; ACS Omega; BMC Plant Biology; International Journal of Molecular Sciences MDPI; Nutrients MDPI; International journal of environmental research and public health MDPI; Plants MDPI; Agronomy MDPI; Foods MDPI; Agriculture MDPI; Coating MDPI; Applied Sciences MDPI; Beverages MDPI; Polymers MDPI; Dairy MDPI; Forests MDPI; Conservation MDPI; Sustainability MDPI; Horticulturae MDPI; Energies MDPI; Processes MDPI; AgriEngineering MDPI; Toxics MDPI; Land MDPI; Turkish Journal of Agriculture and Forestry; Journal of Dairy Science; International Journal of Dairy Technology; Journal of Natural Fibers; Dose-Response; Food Science & Nutrition; Arab Gulf Journal of Scientific Research; American Journal of Biomedical Science & Research ; Current Investigations in Agriculture and Current Research ; Current Research in Nutrition and Food Science Journal; EC Agriculture ; EC Nutrition ; Food Therapy and Health ; Care International Journal of New Innovations in Engineering and Technology; International Journal of Research-GRANTHAALAYAH (IJRG); Journal of Crop Technology and Agricultural Science ; Journal of Food and Nutrition Sciences ; Journal of Food Science and Nutrition Therapy ; Journal of Nutritional Dietetics & Probiotics (JNDPS) ; Journal of Nutritional Science and Health Diet; MOJ Food Processing & Technology ; Acta Scientific Nutritional Health CPQ Nutrition, etc
- Bord editorial**
- Turkish Journal of Agriculture and Forestry; Plant Foods for Human Nutrition Journal; Acta Scientific Nutritional Health; American Research Journal of Agriculture; Nutrition & Food Science International; American Journal of Biomedical Science & Research; Current Investigations in Agriculture and Current Research; Current Research in Nutrition and Food Science Journal; EC Agriculture; EC Nutrition; MC Agriculture & Environmental Sciences; Food Therapy and Health Care; International Journal of New Innovations in Engineering and Technology; International Journal of Research-GRANTHAALAYAH (IJRG); Journal of Crop Technology and Agricultural Science; Journal of Food and Nutrition Sciences; Journal of Food Science and Nutrition Therapy; Journal of Nutritional Dietetics & Probiotics (JNDPS); Journal of Nutritional Science and Health Diet; Journal of Nutrition Food Science and Technology; Journal of Clinical Review & Case Reports (JCRC); MOJ Food Processing & Technology; CPQ Nutrition
- Guest editor**
- Guest Editor, Journal: Plants Basel MDPI, Special Issues: Spicy and Aromatic Plants
 - Guest Editor, Journal: Frontiers in Pharmacology, Special Issues: Natural products, Medicinal foods and Complementary and Alternative Medicine as Cancer-Preventive Agents
- Awards and distinctions**
- 39 Gold Medals and Diplomas of Excellence – Pro Invent Cluj Napoca, Invertica Iasi
 - 38 UFEISDI Awards – awarding research results
- Recent publications**
1. Szanto, L.G., **Marc, R.A.***, Mureşan, A.E. et al. Biofortification of Acacia and Polyflower Honey with Pine sylvestris L. Bud Extracts: Exploring Antioxidant Variation Across Developmental Stages for Enhanced Nutritional Value. *Plant Foods Hum Nutr* 80, 47 (2025). **IF 3.1** <https://doi.org/10.1007/s11130-024-01282-8>
 2. Szanto, L.G.; **Marc, R.A.***; Muresan, A.E.; Muresan, C.C.; Pu, sca, s, A.; Ranga, F.; Fetea, F.; Moraru, P.I.; Filip, M.; Muste, S. Improving Jelly Nutrient Profile with Bioactive Compounds from Pine (*Pinus sylvestris* L.) Extracts. *Forests* 2025, 16, 11. **IF 2.4** <https://doi.org/10.3390/f16010011>
 3. Pop, O.L., Ciont(Nagy), C., Gabianelli, R., Coldea, T.E., Pop, C. R., Mudura, E., Min, T., Rangnoi, K., Yamabhai, M., **Vlaic, R.**, Mureşan, C., & Suharoschi, R. (2024). Deciphering contaminants and toxins in fermented food for enhanced human health safeguarding. *Comprehensive Reviews in Food Science and Food Safety*, 23, e13428. **IF 12** <https://doi.org/10.1111/1541-4337.13428>
 4. Nistor D.I., **Marc R.A.***, Mureşan C.C., Phytochemistry, nutritional composition, health benefits and future prospects of *Mespilus germanica* L. (Medlar): A review, *Food Chemistry: X*, 2024, 22, 101334. **IF 6.1**, <https://doi.org/10.1016/j.fochx.2024.101334>
 5. Buzgau G., **Marc R.A.***, Mureşan C.C., Fărcaş A., Socaci S.A., Mureşan A., Muste S., The study of the quality parameters of the tortilla chips products formulated from mixtures

- of corn flour and legumes, Turkish Journal of Agriculture and Forestry, 2023, 47: 772-786. **IF 2.9**, <https://doi.org/10.55730/1300-011X.3126>
6. Abeeda Mushtaq , Sajad Mohd Wani, A.R. Malik, Amir Gull, Seema Ramniwas , Gulzar Ahmad Nayik , Sezai Ercisli, **Romina Alina Marc**, Riaz Ullah, Ahmed Bari, Recent insights into Nanoemulsions: Their preparation, properties and applications, Food Chemistry: X, Volume 18, 30 June 2023, 100684, **IF 6.1**, <https://doi.org/10.1016/j.fochx.2023.100684>
 7. Puscaş A., Tanislav A.E., **Marc R.A.**, Mureşan V., Mureşan A., Valorisation of mango peel and seed wastes in a biologically enriched biscuit assortment, Turkish Journal of Agriculture and Forestry, 2023, 47: 1174-1181. **IF 2.9**. <https://doi.org/10.55730/1300-011X.3156>
 8. Dipanjoli Baral Dola, Md Mannan, Umakanta Sarker, Md Mamun, Abdullah Al, Tofazzal Islam, Sezai Ercisli, Baber Ali, Muhammad Hamzah Saleem, Oana Lelia Pop, **R.A. Marc***, Nano Iron Oxide Accelerates Growth, Yield, and Quality of Seed in water-deficits Glycine max, Front. Plant Sci., 09 September 2022 Sec. Plant Abiotic Stress Volume 13 – 2022 **IF 4.1** <https://doi.org/10.3389/fpls.2022.992535>
 9. **Marc R.A.**, Mureşan V., Mureşan A.E, Mureşan C.C., Tanislav A.E, Puşcaş A., Martiş G.S., Ungur R.A., Spicy and Aromatic Plants for Meat and Meat Analogues Applications, Plants, 2022, 11, 960. **IF 4.658** <https://doi.org/10.3390/plants11070960>
 10. **Marc (Vlaic) R.A.**, Nicolae M., Páll E., Mureşan V.*, Mureşan A.*, Tanislav A., Puşcaş A., Mureşan C.C., Cerbu C., Red Oak (*Quercus rubra* L.) Fruits as Potential Alternative for Cocoa Powder: Optimization of Roasting Conditions, Antioxidant, and Biological Properties; Forests, 2021, 12 (1088), 1-13. **IF 2.633**, <https://doi.org/10.3390/f12081088>

ANNEXES

▪ List of publications, conferences, honours and awards

Additional Information

 ORCID: <https://orcid.org/0000-0002-6409-6019>

 Google Scholar: <https://scholar.google.com/citations?user=qldC1xQAAAAJ&hl=ro&oi=ao>

Web of Science ResearcherID: AAG-4438-2020

<https://www.webofscience.com/wos/author/record/138679>

Scopus: Author ID: 57225922869

I declare under my own responsibility that the data presented are in accordance with reality

April, 2026

Lecturer dr. Romina Alina Marc

