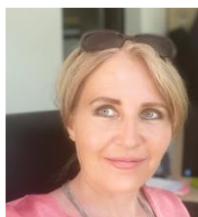


PERSONAL INFORMATION



**Rotar M. Ancuța**

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 ✉ [anca.rotar@usamvcluj.ro](mailto:anca.rotar@usamvcluj.ro) ; [a\\_m\\_rotar@yahoo.com](mailto:a_m_rotar@yahoo.com)

Sex Female | Date of Birth 15/02/1970 | Nationality: Romanian

University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca (UASVM Cluj-Napoca) str. Mănăștur no. 3-5, 400372, Cluj-Napoca, ROMANIA Tel.: 0264 596 384, int. 269; Fax: 0264 593 792

PROFESSIONAL EXPERIENCE

Period	Apr. 2012 - onwards, Head of Distance Learning Department - Administrative activity, organizing and coordination
Period	Oct 2017- onwards, Professor - Teaching activity and research, 2021, Habilitation Certificate nr. 3166/22.06.2021
Period	Oct. 2014 - onwards, Associate Professor - Teaching activity and research Feb. 2005 - Oct. 2014, Lecturer - Teaching activity and research Feb. 2005- Oct. 2014, Lecturer Feb. 2002 - Feb. 2005, Assistant Professor Feb. 2000 - Feb. 2002, Teaching Assistant Oct. 1996 -Jun. 1997, Veterinary doctor at Food Control Laboratory Cluj I, Sanitary Veterinary D Jun. 1997 - Oct. 1999, Veterinary doctor, S.C. "Agromag" S.A. Cluj-Napoca
Technical skills	Microbiological analysis for pathogenic or non-pathogenic bacteria from food Determination of antibacterial activity of vegetable and animal products through spectrophotometric methods Microbial evaluation of surfaces, production spaces, personal and air microflora Proteomic analysis of bacteria using electrophoresis- SDS page, SDS-2D, physicochemical analysis, GC-MS

EDUCATION AND FORMATION

Period	Oct. 2000 - Oct. 2006, PhD in Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca (UASVM Cluj-Napoca) Oct. 1990 - Jun. 1996, Bachelor of Veterinary Medicine - UASVM Cluj-Napoca, Faculty of Veterinary Medicine, Cluj-Napoca Sep. 1984 - Jun. 1988, High School Diploma - Nature Sciences High School, Cluj-Napoca
Period	Oct. 2000 - Oct. 2006, PhD in Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca (UASVM Cluj-Napoca) Oct. 1990 - Jun. 1996, Bachelor of Veterinary Medicine - UASVM Cluj-Napoca, Faculty of Veterinary Medicine, Cluj-Napoca
Period	Sep. 1984 - Jun. 1988, High School Diploma - Nature Sciences High School, Cluj-Napoca Oct. 2000 - Oct. 2006, PhD in Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca (UASVM Cluj-Napoca)

PERSONAL SKILLS

Native language Foreign languages	Romanian				
	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Join the conversation	Oral speech	
English	B2	B2	B1	B2	B2
French	A2	A2	A2	A2	A2

## ADDITIONAL INFORMATION

### Certificates

May - Jun. 2007, Training of Agricultural Advisory Trainers - Bygholm Agricultural College, Denmark, Issues of Agricultural Policy, EU standards for food processing and food safety, Rural Development -common agricultural policy, methods of communication and curricular development

2002-2003, Degree in „Hygienic Design” Wageningen University, European Chair in Food Safety Microbiology

2008, Certificate of attendance at the Course: Understanding international standards of quality and food safety; UASVM Cluj

2008, Certificate of attendance at the Course: Applicability of International Food Quality and Safety Standards

Apr. 2009, Certificate of graduation of training courses using the Assistant-ID platform for Tutors S.C. ITC Cluj software

10-11 Oct. 2013, POSDRU Workshop - Distance Learning Workshop, UBB Cluj-Napoca

Jun.- Jul. 2015, Project Manager course

### Erasmus Programme

2008, France, Clermont-Ferrand University

20012, 2015, Spain, Universidad Politecnica de Valencia

2013, Italy, University of Bologna

2016, 2018 Italy, University of Bari

2017, Spain, Universita Miquel Hernandez de Elche

### Research coordinates

1. Head of Project PN-II-IN-CI-2013-1-0027- “Extraction optimization for kefiran, natural ingredient with possible application in food industry” no. 194CI/21.10.2013  
[http://uefiscdi.gov.ro/userfiles/file/Inovare/CI\\_2013/Lista%20proiecte%20finantate/Lista%20proiecte%20finantate%20sesiunea%20I.pdf](http://uefiscdi.gov.ro/userfiles/file/Inovare/CI_2013/Lista%20proiecte%20finantate/Lista%20proiecte%20finantate%20sesiunea%20I.pdf)
2. Head of Project PN-II-IN-CI-2013-1-0048 – The technology for the production of a variety of functional mustard enriched with aromatic herbs no. 186  
CI/21.10.2013[http://uefiscdi.gov.ro/userfiles/file/Inovare/CI\\_2013/Lista%20proiecte%20finantate/Lista%20proiecte%20finantate%20sesiunea%20I.pdf](http://uefiscdi.gov.ro/userfiles/file/Inovare/CI_2013/Lista%20proiecte%20finantate/Lista%20proiecte%20finantate%20sesiunea%20I.pdf)
3. Head of Project PN-II-IN-CI-2013-1-0089- Development of a new acidified dairy product enriched with goji berries and the study of probiotic characteristics at storage; no. 207CI/ 02.12.2013  
[http://uefiscdi.gov.ro/userfiles/file/Inovare/CI\\_2013/Lista%20proiecte%20finantate/Lista%20proiecte%20finantate%20sesiunea%20II%20-%20lista%20I\\_1.pdf](http://uefiscdi.gov.ro/userfiles/file/Inovare/CI_2013/Lista%20proiecte%20finantate/Lista%20proiecte%20finantate%20sesiunea%20II%20-%20lista%20I_1.pdf)
4. Project Head: Proteomic profile of Escherichia coli, Salmonella group C, D and Staphylococcus aureus involved in food contamination - UASVM Grants, no. 1215/15/06.02.2012
5. Head of a project for company providing services no:13157/05.10.2011- S.C.Prodvinalco SA subject: Microbiological risk assessment of products obtained at S.C. Prodvinalco S.A. for quality assurance, 2011-2012
6. Head of a project for company providing services Nr:2171/29.02.2012-S.C Solanum SRL subject: Microbiological risk assessment of products obtained at S.C. Solanum SRL S.A., for quality assurance 2012-2013

Member of the research groups (9 grants):

1. Project. no. 914/2002: Biotechnology embryo transfer from research to extension in small and medium cattle farms in central and NW Romania- member- World Bank; 2002-2004
2. Project INFRAS CI 605/2004-2006, Contract Nr. 209/4.10.2004: Food Safety and Quality Testing Laboratory – collaborator – CNCSIS; 2005-2007
3. Programme „ Strengthening infrastructure and quality standardization– member CEEEX;

2005-2007

4. Project no. 135/2006: Modern unconventional technologies in compliance with European regulations for wastewater treatment and sludge treatment for reutilization processes – member CEEEX; 2006-2008
5. Project no. CEEEX 180/2006: The development of a biological system for understanding molecular modelling involved in prostate cancer-member CEEEX; 2006-2008
6. Project. no. 166/2006: Research on the diagnosis and control using biomarkers-member CEEEX, UBB; 2006-2008
7. Project Makis/ Universty Consortium /World Bank; 2008- 2011
8. Project CNMP, Programme 4 – Partnerships in priority areas , "Reducing contamination with mycotoxins to obtain bakery products characterized by high fiber content for safe consumption 2008-2011
9. PN III, Mobility Project, no. 110 BM / 2017, Development of new food bio-membranes with antioxidant and antimicrobial properties by incorporation of bioactive compounds extracted from plants, 2017-2019

#### List of relevant publications

##### Books and chapters

1. Giorgiana M. Cătunescu, Ioana M. Bodea, Adriana P. David\*, Carmen R. Pop, Ancuța M. Rotar, Chapter 10. Essential Oils Extraction, Characterization and Applications 1st Edition Editors: Gulzar Nayik, Mohammad Javed Ansari 1st Edition - February 6, 2023 Elsevier Paperback ISBN: 978-0-323-91740-7 eBook ISBN: 9780323972352 <https://www.elsevier.com/books/essential-oils/nayik/978-0-323-91740-7>
2. Liana Claudia Salanță, Alina Uifălean, Cristina-Adela Iuga, Maria Tofană, Janna Crototova, Oana Lelia Pop, Carmen Rodica Pop, *Mihaela Ancuța Rotar*, Mirandeli Bautista-Ávila and Claudia Velázquez González, *Valuable Food Molecules with Potential Benefits for Human*, 2020, IntechOpen, 2020, DOI: 10.5772/intechopen.91218, <https://www.intechopen.com/online-first/valuable-food-molecules-with-potential-benefits-for-human-health>,
3. *Ancuța M. Rotar* Carmen R. POP, 2017, Microbiologia alimentelor, Ed. AcademicPres, Cluj-Napoca, Romania, ISBN 978-973-744-615-2, 194 pg
4. *Ancuța M. Rotar* Carmen R. POP, 2015, Microbiologia produselor alimentare, Ed. AcademicPres, Cluj-Napoca, Romania, ISBN 978-973-744-483-7, 272 pg
5. Sorin Apostu, *Ancuta M. Rotar*, 2012, Microbiologia produselor alimentare, vol 2, Ed Risoprint Cluj-Napoca, , ISBN 978-973-53-0886-5; 310 pg
6. *Ancuta M. Rotar*, Sorin Apostu, 2009, Boli transmisibile prin alimente la om, Ed. Risoprint, Cluj-Napoca, ISBN 978-973-53-0187-3, 395 pg

##### Laboratory books:

1. Carmen R. Pop, Ancuța M. Rotar, 2019, "Microbiologie generală, îndrumător de lucrări practice", Ed. Mega , ISBN 978-606-543-897-2, 129 pg, Cluj- Napoca
2. Sorin Apostu, Mihaela- Anca Rotar, 2008, "Lucrări practice de Microbiologie alimentară", Ed. Risoprint, ISBN 973-656-168-2 Cluj- Napoca – ediția a III-a, 216 pg Cluj- Napoca

##### Articles:

1. Unraveling the Potential of Organic Oregano and Tarragon Essential Oils: Profiling Composition, FT-IR and Bioactivities ,Dan Vârban, Marius Zăhan, Ioana Crișan, Carmen Rodica Pop, Emese Gál, Răzvan Ștefan, Ancuța Mihaela Rotar, Adriana Sebastiana Muscă, Ștefania Meseșan, Vasile Horga, Ioan Ladoși, Loredana Olar, Andrei Stoie, Rodica Vârban; *Plants* 2023, 12(23), 4017; <https://doi.org/10.3390/plants12234017>
2. Antimicrobial Properties of Bacterial Cellulose Films Enriched with Bioactive Herbal Extracts Obtained by Microwave-Assisted Extraction Bodea, IM ; Catunescu, GM ; Pop, CR; Fit, NI; David, AP ; Dudescu, MC ; Stanila, A ; Rotar, AM ; Beteg, FI, *Polymers* 14, 2022, Q1, <https://www.webofscience.com/wos/woscc/full-record/WOS:000781111900001>
- 3 Optimization of moist and oven-dried bacterial cellulose production for functional properties, Ioana M. Bodea, Florin I. Beteg, Carmen R. Pop, Adriana P. David, Mircea Cristian Dudescu, Cristian Vilău, Andreea Stănilă, Ancuța M. Rotar, Giorgiana M. Cătunescu\*, *Polymers* 2021, 13(13), 2088; <https://doi.org/10.3390/polym13132088>, Q1
4. The Effect of Extraction Conditions on the Barrier and Mechanical Properties of Kefiran Films, Carmen Rodica Pop , Teodora Emilia Coldea, Liana Claudia Salanță,\* , Alina Lăcrămioara Nistor , Andrei Borsa , Anca Corina Fărcaș , Vasile Constantin Florian and

Ancuta Mihaela Rotar,, Coatings 2021, 11, 602.  
<https://doi.org/10.3390/coatings11050602>, Q2

5 Ana B. Cerezo, Giorgiana M. Cățunescu\*, Mercedes Martínez-Pais González, Ruth Hornedo-Ortega, Carmen R. Pop, Crina Claudia Rus, Flore Chirilă, *Ancuța M. Rotar*, M. Carmen Garcia-Parrilla and Ana M. Troncoso,\* (2020), Anthocyanins in Blueberries Grown in Hot Climate Exert Strong Antioxidant Activity and May Be Effective against Urinary Tract Bacteria, Antioxidants, Available at:

<https://www.mdpi.com/2076-3921/9/6/478>, Q1

6. Cățunescu GM, *Rotar AM\**, Pop CR, Diaconeasa Z, Bunghez F, Socaciu MI, Semeniuc CA (2019), Influence of extraction pre-treatments on some phytochemicals and biological activity of Transylvanian cranberries (*Vaccinium vitis-idea L.*), LWT - Food Science and Technology, ISSN: 0023-6438, 102, 385-392, 2019, *IF=3.7140*, Available at :  
<https://www.sciencedirect.com/science/article/pii/S0023643818311290>, Q1

\* autor corespondent

7. Giorgiana M. Cățunescu, Mircea Muntean, Ovidiu Marian, Adriana Paula David, *Ancuța M. Rotar\** (2019), Comparative effect of gamma irradiation, drying, and freezing on sensory, and hygienic quality of parsley leaves, LWT - Food Science and Technology, ISSN: 0023-6438, 115, 108448, 2019, *IF= 3.7140*, Available at:

<https://www.sciencedirect.com/science/article/pii/S002364381930790X>, Q1

8. Cristina Anamaria Semeniuc, Maria-Ioana Socaciu, Sonia Ancuta Socaci, Vlad Muresan, Melinda Fogarasi and *Ancuta Mihaela Rotar* (2018), Chemometric Comparison and Classification of Some Essential Oils Extracted from Plants Belonging to Apiaceae and Lamiaceae Families Based on Their Chemical Composition and Biological Activities, Molecules, ISSN 1420-3049, 23(9), 2261, 2018. Q2

9. Giorgiana M. Cățunescu, Ioan Rotar, Roxana Vidican, Florina Bunghez, *Ancuța M. Rotar\**, (2017) Gamma radiation enhances the bioactivity of fresh parsley (*Petroselinum crispum* (Mill.) Fuss Var. Neapolitanum); Radiation Physics and Chemistry 132 (2017) pg. 22–29; *IF= 1.315*, Q1

Available at: <http://www.sciencedirect.com/science/article/pii/S0969806X16306910>

10. Cristina Anamaria Semeniuc, Carmen Rodica Pop, *Ancuta Mihaela Rotar\**, (2016) Antibacterial activity and interactions of plant essential oil combinations against Gram-positive and Gram-negative bacteria. Journal of Food and Drug Analysis, , *IF=3.068*, Q1, Available: <http://www.sciencedirect.com/science/article/pii/S1021949816300801>

11. *Rotar, A.M.*, Vodnar, D.C., Bunghez, F., Cățunescu, G.M., Pop, C.R., Jimborean, M., Semeniuc, C.A., (2015), Effect of goji berries and honey on lactic acid bacteria viability and shelf life stability of yoghurt. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 43(1), pp.196-203. (ISI) *IF=0.547*, DOI:10.15835/nbha4319814 Available at:  
<http://search.proquest.com/docview/1699538565?pq-origsite=gscholar>

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