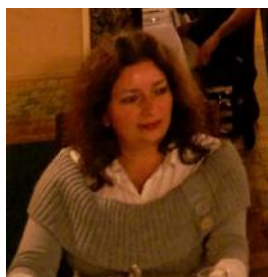


## Europass Curriculum Vitae



### Personal information

**First name(s) / Surname(s)** Nicoleta Gabriela H D RUG  
**Address(es)** 307375-Sinandrei, Timi , Romania  
**Telephone(s)** +40-741-041407  
**Fax(es)**  
**E-mail** [nico\\_hadaruga@yahoo.com](mailto:nico_hadaruga@yahoo.com)  
**Nationality** Romanian  
**Date of birth** October 1971  
**Gender** Female

### Desired employment / Occupational field

**Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timi oara**  
**Professor Doctor Habil. Engineer**

### Work experience

<p><b>Dates</b></p> <p><b>Occupation or position held</b></p> <p><b>Main activities and responsibilities</b></p>	<p><b>2014 to present</b></p> <p>Professor Dr. Eng.</p> <p><b>2012 - prezent</b></p> <p><b>Vicedean</b>: Faculty of Agroalimentary Products Technology (responsible research)</p> <p><b>Coordinating research center</b> „Food Science” - chromatographic, spectroscopic, thermal and Karl Fischer water analyses”</p> <p><b>Courses</b>: Quality control in processing of food products, Authenticity of food products</p> <p>Vicedean of the Faculty of Agroalimentary Products Technology</p>
<p><b>Name and address of employer</b></p>	<p>Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timi oara, Calea Aradului 119, 300645-Timi oara; Faculty of Agroalimentary Products Technology; Department of Food Science</p>
<p><b>Type of business or sector</b></p>	<p>Higher education</p>
<p><b>Dates</b></p> <p><b>Occupation or position held</b></p> <p><b>Main activities and responsibilities</b></p>	<p><b>2008 to 2014</b></p> <p>Associate Professor Dr. Eng.</p> <p><b>2008 - 2012</b></p> <p><b>Scientific Secretary</b>: Faculty of Agroalimentary Products Technology (responsible research)</p> <p><b>Courses</b>: Quality control of vegetable food products, Bioflavors, Natural extracts and additives, Adulterating legislation and evaluation in food industry</p> <p>Vicedean of the Faculty of Agroalimentary Products Technology</p>

Name and address of employer	Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timi oara, Calea Aradului 119, 300645-Timi oara; Faculty of Agroalimentary Products Technology; Department of Food Science
Type of business or sector	Higher education
Dates	<b>2005 – 2008</b>
Occupation or position held	Assistant Professor Dr. Eng.
Main activities and responsibilities	<i>Courses:</i> Quality control of vegetable food products, Flavors and flavoring systems, Bioflavors <i>Practical courses coordinator:</i> Quality control of vegetable food products, Flavors and flavoring systems, Bioflavors <i>Department coordinator:</i> The Quality Evaluation in University Education
Name and address of employer	Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timi oara, Calea Aradului 119, 300645-Timi oara; Faculty of Agroalimentary Products Technology; Department of Agroalimentary Products Control and Expertise
Type of business or sector	Higher education
Dates	<b>1999 – 2005</b>
Occupation or position held	Teaching Assistant Eng.
Main activities and responsibilities	<i>Courses:</i> Flavors and Flavoring Systems, Bioflavors <i>Experimental practice coordinator:</i> Quality control of vegetable food products, Quality control of natural food extracts and additives, Flavors and flavoring systems, Spices, Bioflavors, Isolation of bioactive compounds from plants, Technology of food additives, Meat and meat products technology, Food products rheology, Food physics
Name and address of employer	Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timi oara, Calea Aradului 119, 300645-Timi oara; Faculty of Agroalimentary Products Technology; Department of Agroalimentary Products Control and Expertise
Type of business or sector	Higher education
<b>Education and training</b>	
Dates	<b>2013</b>
Title of qualification awarded	Habilitated Doctor (in Engineering Sciences/Engineering of Vegetable and Animal Resources)
Principal subjects/occupational skills covered	Bioactive compounds / cyclodextrin complexes: synthesis, characterisation, applications and molecular modeling
Name and type of organisation providing education and training	<i>Polytechnic University of Timi oara (IOD)</i>
Level in national or international classification	ISCED5
Dates	<b>2005</b>
Title of qualification awarded	Ph.D. (in Engineering Sciences/Chemical Engineering)
Principal subjects/occupational skills covered	Protection and controlled release of bioactive compounds (Scientific promoter: Prof. Dr. Eng. Alfa Xenia LUPEA)
Name and type of organisation providing education and training	Polytechnic University of Timi oara (IOD)
Level in national or international classification	ISCED5
Dates	<b>1998-1999</b>
Title of qualification awarded	Master of Science (M.Sc.)
Principal subjects/occupational skills covered	<i>Speciality:</i> Natural Extracts and Additives
Name and type of organisation providing education and training	Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timi oara, Calea Aradului 119, 300645-Timi oara; Faculty of Agroalimentary Products Technology
Level in national or international classification	ISCED5

Dates **1993-1998**  
 Title of qualification awarded Bachelor of Science (B.Sc.)  
 Principal subjects/occupational skills covered *Speciality:* Agroalimentary Products Technology  
 Name and type of organisation providing education and training Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timi oara, Calea Aradului 119, 300645-Timi oara; Faculty of Agroalimentary Products Technology  
 Level in national or international classification ISCED5

Dates **1991-1993**  
 Title of qualification awarded Technical Designer  
 Principal subjects/occupational skills covered *Speciality:* Design of Leather Goods and Relatives  
 Name and type of organisation providing education and training Highschool of Textile Industry of Timi oara, Romania

Dates **1991**  
 Title of qualification awarded Software operator  
 Principal subjects/occupational skills covered *Speciality:* Operating on computer systems IBM PC/XT/AT  
 Name and type of organisation providing education and training Young people House of Timi oara, Romania

Dates **1986-1990**  
 Title of qualification awarded Highschool Diploma  
 Principal subjects/occupational skills covered *Speciality:* Electrotechnics  
 Name and type of organisation providing education and training Industrial Highschool of Baia de Arie , Alba county, Romania

### Expertise field

#### Grants and fellowships

1. Biomedical applications of metallic compounds (Metalloomics), Education & Research Ministry, National Program II, PN2, IDEI\_PCCE 140 / 2010-2013 (P8 – Partner manager)
2. Advanced researches on synthesis and magnetic properties of coated/uncoated and bioavailable Co Fe<sub>3</sub> O<sub>4</sub> ferimagnetic nanoparticles with potential applications in cancer therapy, Education & Research Ministry, National Program II, PN2\_71026 / 2007-2010 (P4 – Partner manager)
3. Protection of bioactive compounds from *Compositae* plants by cyclodextrin nanoencapsulation, Education & Research Ministry, CNCSIS Code 326, Grant N° 44GR / 2007-2008 (Grant director)
4. Nanocomposites / nanocrystals with applications in biotechnology, agriculture, food, health, and environmental protection fields, Education & Research Ministry, CEEEX Grant, contr. N° P-CD-18 / 2005-2007 (CO - Coordinator manager)

#### Research and education programs

1. DAAD "Research Stays and Study Visits for University Academics and Scientists" fellowship, Universität Hohenheim, Institut für Lebensmittelwissenschaft und Biotechnologie, Stuttgart, Germany. Research theme: Water determination in bioactive compounds / cyclodextrin nanoparticles. Period: August-September 2008
2. Visiting Professor at the Akdeniz University, Antalya, Turkey. Period: September-October 2013.

#### Profesional memberships:

*Member of international scientific societies / professional affiliations:*

- 1) Association EuroFoodWater (international), 2012 to present

*Member of national scientific societies/professional affiliation:*

- 1) The Romanian Chemical Society, 1998 to present
- 2) Association of Food Industry Specialists from Romania (ASIAR), 2009 to present
- 3) The Association for Multidisciplinary Research from the West Side of Romania, 2000 to present
- 4) Romanian Society of Biochemistry and Molecular Biology, 2009 to present

Peer review activity:

*Journal reviewer:*

- Food Chemistry (Elsevier)
- Food Research International (Elsevier)
- Beilstein Journal of Organic Chemistry (Beilstein Institute)
- International Journal of Food Properties (Taylor and Francis)
- Journal of Inclusion Phenomena and Macrocyclic Chemistry (Springer)

*Chair:*

- The 8<sup>th</sup> International Conference on Water in Food (EFW2014), EUROFOODWATER Association Series (France), Timi oara, Romania, May 25-27, 2014 (Chair of the organising committee & Member of the scientific committee)
- The International Conference on Food Chemistry, Engineering and Technology, Timi oara, Romania (2010-2014).

*Editor-in-Chief:*

Journal of Agroalimentary Processes and Technologies (Agroprint - Timi oara)

## Personal skills and competences

Mother tongue(s)

**Romanian**

Other language(s)

Self-assessment

European level (\*)

**English**

**German**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user

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

Social skills and competences

Dynamic communicator with good teaching, mentoring, relationship-building, and problem-solving abilities

Organisational skills and competences

Organizing, coordination, and management skills:

- scientific research programs, organizing of scientific conferences
- scientific coordination of licence, master and Ph.D. theses
- research and didactic labs in the university agroalimentary field

Technical skills and competences

- experience in isolation, purifying, and semisynthesis of odorant/flavoring compounds, natural compounds and natural systems with biological activity
- nanoencapsulation of bioactive compounds and systems in cyclodextrins and liposomes
- advanced physico-chemical analyses (GC-MS/FID chromatography, HPLC-UV-VIS/DAD/RI chromatography, UV-VIS spectrophotometry, thermal analyses TG/DTG/DSC, Karl Fischer analysis etc.)

Computer skills and competences

- Microsoft Windows (all versions) operating systems
- Microsoft Office (Word, Excel, Power Point, Visio)
- Adobe Acrobat package
- Advanced chemistry programs (ISIS Base&Draw, Chem Office, ACD, HyperChem packages)
- Instrumental data acquisition programs (GC-MS instruments, HPLC Chemstation and ChromPass, Lambda 25, UV-Vis Analyst etc.)
- Statistical programs (Statistica, TableCurve, Origin. The Unscrambler packages)
- WEB browsers

Artistic skills and competences

- Fashion design, shoes and leather goods design
- Computer aided design (including chemical architectures)

Other skills and competences

- Music, travel, literature, history

Driving licence

Category B

## Annexes

Lists of Journal articles, Proceedings papers, Journal citations and other scientific materials can be obtained upon request