



# CURRICULUM VITAE

## PERSONAL INFORMATION

Surname, First names **BAHRIM, Gabriela Elena**  
**Professor, PhD Biotechnology, BSc Food Chemistry and Technology**

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E-mail(s) [gbahrim@ugal.ro](mailto:gbahrim@ugal.ro)  
Website <http://www.bioaliment.ugal.ro>  
Nationality Romanian  
Date and place of birth March the 30<sup>th</sup> 1963, Tifești-Vrancea, Romania  
Gender Female

## WORK

**EXPERIENCE**  
Present academic position Full professor of Biotechnology and Microbiology, Food Science and Engineering Faculty „Dunarea de Jos” University, Galați, Romania; Experience in teaching topics such as: *Industrial biotechnology, Enzyme technology, Applied enzymology, Environmental biotechnology, Starter cultures, Industrial microbiology, General microbiology, Food microbiology*

Since 2007, PhD supervisor in the fields *Biotechnologies* and *Industrial engineering*

Since 2010 Associate member of *Romanian Academy of Agricultural and Forestry Sciences "Gheorghe Ionescu - Sisești"*

Since 2016 Vice-Rector for Research at Dunărea de Jos University of Galați

Occupation or position held 2013-2016 Coordinator of *Centre of Research, expertise and technological transfer- Bioaliment – TehnilA*

2012-2017 Coordinator of subdomain of Doctoral School *Science and engineering of food bioresources*

2009-2013 Head of the specialized Master *Biotechnology of natural resources*, Food Science and Engineering Faculty, „Dunarea de Jos” University, Galați, Romania

2007-2011 Head of the Chair of Bioengineering in Food Science, Food Science and Engineering Faculty, „Dunarea de Jos” University, Galați, Romania

Since 2006 Director of BIOALIMENT Platform, “Integrated Research and Training Center for Applied Biotechnology in Food Industry”, Food Science and Engineering Faculty, „Dunarea de Jos” University, Galați, Romania, <http://www.bioaliment.ugal.ro>

Main activities and responsibilities **„Dunarea de Jos” University of Galați**  
Teaching and research in the following areas: Applied Microbiology: Industrial Microbiology, Food Microbiology, Bioconversions, Environmental Microbiology; Microbial Biotechnology: Enzyme Technology, Bioaditives (pigments, bio preservatives, single cell proteins etc); Starter cultures; Microbiological food safety; Food microbiological control; Environmental

	Biotechnology : Waste Bioconversion, Bioremediation
Name and address of employer	<b>Institute of Food Science, Bucharest</b> Research in the following areas: Enzyme Technology; Fungal Colorants Biotechnology <b>Food Science and Engineering Faculty</b> , „Dunarea de Jos” University, 111 Domneasca Street, 8000201, Galati, Romania, <a href="http://www.sia.ugal.ro">http://www.sia.ugal.ro</a>
Type of business or sector	Academia
<b>EDUCATION</b>	
Dates	1990, October – 1998, April
Title of qualification awarded	PhD
Occupational skills covered	Biotechnology, Enzyme Technology. Thesis subject: Research concerning glucose isomerase biosynthesis, biotechnology optimisation and enzyme purification
Institution	“Dunărea de Jos” University, Faculty of Food Science and Engineering, Galați, Romania
Level in international classification	ISCED 6
Dates	1981, September – 1986, February
Title of qualification awarded	Bachelor’s Degree in Food Chemistry and Technology
Occupational skills covered	Food science and technology; food biotechnology
Institution	“Dunărea de Jos” University, Faculty of Food Science and Engineering, Galați, Romania
Level in international classification	ISCED 5
<b>TRAINING</b>	
Dates	2009, training in <i>Building capacity in training curricula and assessment development</i> , VAPRO International, The Hague, The Netherlands
Type/description of training	2009, training in <i>Flow Cytometry - Principles and Methods</i> National Institutes of Health, Bethesda, USA
Institutions	2009, training in <i>Fermentation Methods and Scale-Up Strategies</i> , Biotechnology Training Programs, University of Pennsylvania, USA
	2008, training in <i>Formation a la microscopie confocale</i> , Universite Claude Bernard Lyon, France
	2008, training in <i>Bioreactor Design and Operation</i> , 4 <sup>th</sup> International Advanced Course, the Graduate School VLAG Wageningen University in co-operation with Biotechnological Sciences Delft Leiden (BSDL) and B-Basic (Bio-based Sustainable Industrial Chemistry), The Netherlands
	2007, training in <i>Food industry hygiene management</i> according HACCP system and ISO 22000, TUV Rheinland, Romania
	1994, Tempus fellow at ENSIA Massy and Molecular Interactions & Separation Technology Laboratory, Lim TechS, Universite de Technologie de Compiègne (UTC ), France

<b>SKILLS / COMPETENCES</b> Mother tongue	<b>Romanian</b>																																								
Other languages																																									
Self-assessment																																									
European level (*)																																									
<b>French</b>																																									
<b>English</b>																																									
	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>B1</td> <td>Proficient user</td> <td>B1</td> <td>Proficient user</td> <td>B1</td> <td>Proficient user</td> <td>B1</td> <td>Proficient user</td> <td>A2</td> <td>Proficient user</td> </tr> <tr> <td>B2</td> <td>Independent User</td> <td>B2</td> <td>Independent User</td> <td>B2</td> <td>Independent User</td> <td>B2</td> <td>Independent User</td> <td>B1</td> <td>Independent User</td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				B1	Proficient user	B1	Proficient user	B1	Proficient user	B1	Proficient user	A2	Proficient user	B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User	B1	Independent User
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	(*) Common European Framework of Reference (CEF) level																																								
Social skills and competences	<p><b>Social capabilities</b> Building Team spirit Good communication skills Good ability to adapt to multicultural environments Shows respect for ideas and culture of others Is able to build relationships through appropriate communication Listens, shows interest, and takes account of the views of others Understands the behavior of different groups of people and can turn this into added value</p> <p><b>Verbal communication and reporting</b> Uses correct language in correspondence and when writing reports and plans Is able to formulate an opinion and express it clearly Is able to express themselves concisely and to identify key points</p> <p><b>Networking</b> Maintain and expand the right network; liaise with relevant external organizations and individuals</p> <p><b>Communication</b> Communicates internally and externally about relevant activities</p>																																								
Organisational skills and competences	<p><b>Management:</b> Efficient in developing plans and projects; act on decisions taken and able to take decisions; manage teams and chair; able to improve efficiency and able to implement it</p> <p><b>Scientific and Professional Expertise</b> Keeping on top of development needed for the job; academic level of thinking; Food science, microbiology and biotechnology Highly involved with developmental processes of new project and actions</p>																																								
Technical skills and competences	<p>Technical skills in microbiology, biotechnology and food technology Procedures and regulations got to be innovative, efficient, and of high quality Good command of quality control processes Operational skills in auditing ISO 17025 and HACCP</p>																																								
Computer skills and competences	<p>Good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™), internet</p>																																								
Other skills and competences	<p><b>Coaching</b> Encourages others to realize their stronger and weaker points and helps them to increase their own personal insight Gives advice in the context of the workplace on how the personal qualities of employees are affecting their role Creates proper conditions so that others can increase their competences and professional development and will motivate them in this regard Helps others unasked and at appropriate times provides constructive feedback Finds a good balance between guidance and letting go or delegating responsibility, does not always dictate solutions</p>																																								

### **Conceptual abilities / Creativity**

Knows what is important for professional development and is able to integrate several points of view

Is able to quickly extract the most important information from complex material

Finds new, better solutions and ideas for existing problems

Recognizes trends and patterns in information

### **Ethics**

Is aware of the long-term consequences of his actions on the social environment within the workplace and can identify desirable and undesirable developments

#### **ADDITIONAL INFORMATION**

#### **PEDAGOGICAL ACTIVITIES**

Concept and design of university on BSc and MSc level for Biotechnology and Food Science according to Bologna standards:

General Microbiology

Applied Enzymology

Enzyme Technologies

Industrial Biotechnology

Starter Cultures Technology

Food Safety

Environmental Biotechnology

Biodepollution and bioremediation

Waste Bioconversion

Wastewater biotreatment

#### **ADDITIONAL INFORMATION**

#### **RESEACH ACTIVITIES**

##### **Infrastructure building**

2006-2008 Concept, design and realisation BIOALIMENT Platform,

<http://www.bioaliment.ugal.ro>

1988-2008 Microorganism Collection (coded MIUG) of Industrial Microbiology Laboratory, Food Science and Engineering Faculty, „Dunarea de Jos” University, Galati, Romania [http://www.wfcc.info/who\\_list.html](http://www.wfcc.info/who_list.html)

##### **Research Areas**

- The study of extremophilic microorganisms isolated from Antarctic soils
- Starter cultures (bacteria and fungi) production, evaluation and microbiological control of biotechnological properties
- Microbial enzymes (amylases, proteases, glucose isomerase, invertase, phenol oxydase, xylanase and cellulase) production, characterisation, purification and immobilisation
- Fungal pigments biotechnology
- Bioconversion Processes
- Control strategies for bioprocesses
- Food bio preservatives of microbial and plant origin
- Production of yeast single-cell protein from food and agricultural waste
- Rapid methods-for microbiological analysis of food
- Microbiological testing in food safety management

#### **SCIENTIFIC AND PROFESSIONAL CONTRIBUTIONS**

Books and books chapters with foreign publisher – 8

Books and books chapters with national publisher – 21

Patents - 3

Web of science indexed papers – 96 (*h*-index = 9)

Papers indexed in international databases –84 (Scopus, *h*-index = 10)

Papers presented at international conferences -121  
International and national project – 65 (Manager for 18 projects)

### PRIZES

« Dumitru Moțoc » Academy for Agricultural and Forestry Sciences (ASAS) prize,  
Bucharest June 3<sup>th</sup> 2004

« Dumitru Moțoc » Academy for Agricultural and Forestry Sciences (ASAS) prize,  
Bucharest March 17<sup>th</sup> 2006

« Dumitru Moțoc » Academy for Agricultural and Forestry Sciences (ASAS) prize,  
Bucharest December 10<sup>th</sup> 2009

### ADDITIONAL INFORMATION

### EXTRA CURRICULAR PROFESSIONAL ACTIVITIES

Since 2011 Member of commission Engineering of vegetal and animal resources of *National Council for Attestation of University Titles, Diplomas and Certificates (CNATDCU)* President, Vice-president, Member, <http://www.cnatdcu.ro/paneluri-cnatdcu/panel-2-stiinte-ingineresti/comisia-de-inginerie-a-resurselor-vegetale-si-animale>

Since 2011 Member of commission of Life Science and Biotechnology of National Research Council (CNCS) [http://www.cncs-uefiscdi.ro/wp-content/uploads/2011/11/Bahrim-Gabriela-CV\\_CNCS-En.pdf](http://www.cncs-uefiscdi.ro/wp-content/uploads/2011/11/Bahrim-Gabriela-CV_CNCS-En.pdf)

Since 2009 Member of Commission of Agricultural Sciences and Veterinary medicine of Romanian Agency for Quality Assurance in Higher Education  
[http://pfe.aracis.ro/inscriere/registru/lista\\_c\\_p/8/](http://pfe.aracis.ro/inscriere/registru/lista_c_p/8/)

2006- 2009 Member of National University Research Council (CNCSIS)  
<http://www.cncsis.ro/membri.php>

2007-2008 Expert of Romanian Agency for Quality Assurance in Higher Education  
[http://www.aracis.ro/uploads/287/registrul\\_de\\_evaluatori\\_pe\\_domenii.pdf](http://www.aracis.ro/uploads/287/registrul_de_evaluatori_pe_domenii.pdf)

2004- 2006 Member of Committee 5: Agricultural Sciences and Veterinary Medicine Committee of National University Research Council (CNCSIS)

2003-2008 Scientific and technical expert in national projects evaluation (CNCSIS, Biotech, Agral, Mener, CEEX, National Plan for Research and Development -PNII)

### ADDITIONAL INFORMATION

### MEMBERSHIP IN SCIENTIFIC AND PROFESSIONAL SOCIETIES

Romanian Society of Biochemistry and Molecular Biology (SRBBM)

Association of Specialists in Applied Biotechnology (ASBA) (President of this association)

Romanian Society of Biotechnology and Bioengineering (RSBB)

Romanian Chemistry Society (SChR)

European Society for Agricultural and Food Ethics (EurSafe)

Association of Dairy Industry Experts (ASIL)

Association of Milling and Baking Industries Experts (ASIMP)

**Evaluation of grant proposals (national and international competitions);** Biotech, Agral, CEEX, PNII programmes, ENEC, COST programme, National Science Center, Poland

**Evaluation of quality in the universities (Romania, Rusia)**

**ADDITIONAL  
INFORMATION**

**Editor in chief** of *Innovative Romanian Food Biotechnology*, journal indexed in international databases, <http://www.bioaliment.ugal.ro/33ejournal.htm>

**Member of Editorial Committee of International Journals**

*CyTA - Journal of Food Taylor&Francis Online (WOS)*  
(<http://www.tandfonline.com/toc/tcyt20/current#.Ua4r2UCn6to>;

*Romanian Biotechnological Letters (WOS)* (<http://www.rombio.eu/>);

*Journal of Food Science and Engineering*  
([http://www.davidpublishing.org/journals\\_info.asp?jld=646](http://www.davidpublishing.org/journals_info.asp?jld=646));

*British Journal of Applied Science and Technology* (<http://www.sciencedomain.org/editorial-board-members.php?id=5>

*The Annals of Dunarea de jos University of Galati, Fascicle VI – FOOD*  
(<http://www.ann.ugal.ro/tpa/>)

**Reviewer for ISI journals:**

*Food Chemistry, LWT Food Science and Technology, Journal of Applied Microbiology and Biotechnology, Journal of Applied Microbiology, Process Biochemistry, CyTA - Journal of Food, Biotechnology Reports, Food and Bioprocess Technology, Food Biotechnology, Journal of Microencapsulation, Food Analytical Methods, Separation and Purification Technology, Enzyme and Microbial Technology, Foodborne Pathogens and Disease Journal, Toxicology Mechanisms and Method, Water Anais da Academia Brasileira de Ciências, Electronic Journal of Biotechnology, CBM - CAHIERS DE BIOLOGIE MARINE, Journal of Bioscience and Bioengineering, Cellulose Chemistry and Technology, Romanian Biotechnological Letters*

**OTHER  
INFORMATIONS**

**Chair** of *International conference on industrial microbiology and applied biotechnology*, October the 9 – 11<sup>th</sup> 2008, *Dunărea de Jos University of Galati, Romania*, <http://www.micro-bio2008.ugal.ro/index.html>

**ResearcherID** G-4935-2013

**(WOS):** <http://www.researcherid.com/rid/G-4935-2013>

<http://orcid.org/0000-0001-8210-1793>

<https://scholar.google.ro/citations?user=6Ym9TjYAAAAJ&hl=e>