



Curriculum vitae Europass



Personal information

Surname/First name **BOBIS OTILIA**

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Nationality Romanian

Date of birth 13 July 1963

Gender Female

Employment/Ocupational field

University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca / Quality Manager of the Laboratory for Quality Control of Bee products

Work experience/Teaching experience 31 years / 27 years

Dates	2016 - present
Main activities and responsibilities	Scientific Researcher II, Quality Manager APHIS Laboratory, Lifge Science Institute „King Michael I of Romania”, USAMV Cluj-Napoca
Main activities and responsibilities	<ul style="list-style-type: none">- Physico-chemical analysis for bee products- Bioactive properties determination for natural products- Apicultural biotechnologies: main and secondary component analysis from honeybee and bee products, biochemical markers for quality and authenticity
Name and adress of employer	Life Science Institute „King Michael I of Romania”, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Calea Mănăştur 3-5, postal code 400372, web site: www.usamvcluj.ro ; tel. 0040264-596384; Fax. 0040264-593792
Type of business or sector	Research, higher education
Dates	2007- 2016
Occupation and position held	Research engineer, Food Technology speciality, Faculty of Animal Breeding and Biotechnology, USAMV Cluj-Napoca
Main activities and responsibilities	<ul style="list-style-type: none">• Physico-chemical analysis for bee products• Apicultural biotechnologies: main and secondary component analysis from honeybee and bee products, biochemical markers for quality and authenticity
Name and adress of employer	University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Calea Mănăştur 3-5, postal code 400372, web site: www.usamvcluj.ro ; tel. 0040264-596384; Fax. 0040264-593792
Type of business or sector	Research, higher education
Dates	2003- 2007
Funcția sau postul ocupat	PhD student, Faculty of Animal Breeding and Biotechnology, USAMV Cluj-Napoca

Main activities and responsibilities	<ul style="list-style-type: none"> • Physico-chemical analysis for bee products • Apicultural biotechnologies: main and secondary component analysis from honeybee and bee products, biochemical markers for quality and authenticity
Name and adress of employer	University of Agricultural Scienc es and Veterinary Medicine Cluj-Napoca, Calea Mănăștur 3-5, postal code 400372 , web site: www.usamvcluj.ro ; tel. 0040264-596384; Fax. 0040264-593792
Type of business or sector	Research
Dates	2001 - 2003
Ocupation andf position held	Rersearch engineer, Faculty of Agriculture, Chemistry department, USAMV Cluj-Napoca
Main activities and responsibilities	<ul style="list-style-type: none"> • Chemistry and biochemistry of vegetal products; analysis and physico-chemical analysis • Agroalimentary biochemistry: qualitative and quantitative analysis of food nutrients, biologicvally active compounds determination from different natural matrices
Name and adress of employer	University of Agricultural Scienc es and Veterinary Medicine Cluj-Napoca, Calea Mănăștur 3-5, postal code 400372 , web site: www.usamvcluj.ro ; tel. 0040264-596384; Fax. 0040264-593792
Type of business or sector	Research
Education and training	
Dates	2007
Title of qualiftication awarded	PhD
Principal subjects/occupational skills covered	Apicultural biotechnologies: main and secondary components analysis from honeybee and bee products, biochemical markers for quality and authenticity
Name and type of organization providing education and training	University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca
Level in national or international classification	Faculty of Animal Breeding and Biotechnology
Dates	2003 - 2007
Title of qualiftication awarded	PhD student
Principal subjects/occupational skills covered	Physico-chemical analisys of bee products. Markers for origin and quality of honey
Name and type of organization providing education and training	University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca
Level in national or international classification	Faculty of Animal Breeding and Biotechnology
Dates	2001-2003
Title of qualiftication awarded	Master
Principal subjects/occupational skills covered	Biochemistry and Biotechnology of Vegetal Extracts
Name and type of organization providing education and training	University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca
Level in national or international classification	Faculty of Agriculture
Dates	1997-2001
Title of qualiftication awarded	Diplomat engineer
Principal subjects/occupational skills covered	Basic disciplines: Chemistry and Biochemistry; Drawing ; Physics and Meteorology; Mathematics; Botanics Speciality disciplines: Food technologies (Vegetal products, Meat, Milk, Bevertages); Food Industry machines; Agro-alimentary legislation
Dates	1978-1982
Title of qualiftication awarded	Technologist in the manufacture and processing of polymers

Name and type of organization providing education and training		Industrial Chemistry Highschool TERAPIA Cluj-Napoca									
Personal skills and competencies											
Mother tongue	Romanian										
Other languages	English, French, Spanish, Italian										
Autoevaluation	Understanding				Speaking				Writing		
European level (*)	Listening		Reading		Spoken interactions		Spoken production		Writing expression		
English	C2	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	
French	C1	Independent user	C1	Independent user	C1	Independent user	C1	Independent user	C1	Independent user	
Italian	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	
Spanish	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 competencies	<p>Organizational skills</p> <ul style="list-style-type: none"> - 2005 – INFRAS Courses: „Auditarea sistemului de management al calității referitor la încercări” and „Cerințe privind metodele de încercare (validare, incertitudine) și asigurarea calității rezultatelor încercărilor” (octombrie 2005), USAMV Cluj-Napoca - 2008 – Proficiency Testing Seminar (november 2008), Academia Română, București - 2009 – Profesional training courses in FT-IR and GC-MS, S.C. Comporter SRL, București - 2016 – Chromatography Improvement course Shimadzu Instruments, Cluj-Napoca <p>Flexibility of multicultural adjustment, obtained by work experience abroad</p> <ul style="list-style-type: none"> - 1994 – Research stage of 3 months (august-october 1994) in the field of carotenoids at the University of Berne Switzerland, Faculty of Organic Chemistry - 2000 – Socrates Intensive Course at Gent University, Belgium (January – February 2000) „New Technologies on Food Safety”, Ghent, Belgium - 2001 Socrates Scholarship for 3 months (February– April 2001) Bremen University, Germany - 2004 - First multinational meeting, Leonardo Da Vinci Project „Quality Management Network for Central and East European Countries”, (May 2004), USAMV Cluj-Napoca - 2005 – Research stage in a bilateral project (Romania – Flanders), 3 months Gent University, Belgium, Faculty of Bioengineering Science, Department of Food Security, Ghent, Belgium - 2006 – Research stage: Individual contact between professors - January 2006, Ghent University, Belgium, Faculty of Bioengineering Science, Department of Organic Chemistry, Ghent, Belgium - 2006 – 2007 – 3 months scolarship financed by Romanian Ministry of Education in Gent University, Belgium, Faculty of Bioengineering Science, Department of Organic Chemistry - 2006 – Api-Medica and Api-Quality Conference, Athens, Greece - 2007 – Quarta edizione del „Corso di Introduzione all'Analisi Sensoriale del MIELE”, 15-25 November 2007, Torino, Italy - 2007 – 3rd International Symposium CIGR, Food and Agricultural Products: Processing and Innovation Naples, Italy - 2008 – Corso di perfezionamento in analisi sensoriale del miele, 24-28 November, Bologna, Italy - 2008 – Api-Medica and Api-Quality Conference Roma, Italy - 2008 – First Symposium of Honeydew Honey, Tzarevo, Bulgaria - 2011 – International Workshop on the consequences of the ECJ judgement on GM pollen in honey, December 13-14, Berlin, Germany - 2012 – Annual Meeting of the International Honey Commission and II International Symposium on Bee Products, 9-12 september 2012, Braganca, Portugal - 2014 – 3rd World Congress of Organic Apiculture, ApiOrganica – ApiMondia, 3-8 March 2014, Bologna, Italy - 2014 – 6th EurBee Conference, Murcia, Spain 										
	<ul style="list-style-type: none"> - 2015 – Sensory analysis of honey course organized by CARI Association, Belgium, 23-24 April 2016 - 2015 – International Conference „From hive to table”, 21-22 May 2015, Istanbul, Turkey - 2016 – First International Conference on Propolis, Glasgow, Scotland - 2016 – 7th EurBee Conference, Cluj-Napoca, Romania - 2017 - CASEE - The ICA Regional Network for Central and South Eastern Europe. The Life Science Universities of Central and South Eastern Europe are the basis for sustainable, ecological and economic development of the region, 14-16 May 2017 										

Organisational skills and competencies	<ul style="list-style-type: none"> • Member of International Honey Commission • Project director CNCISIS tip S: Realisation and characterization of different emulsion systems and liposomes with food industry applicability, 2000 – 2002 • Project director Measure 16.4. MADR Development of local markets exclusively by short chains for bee products, 2018-2020 • Project director: PN-III-P1-1.1-MC-2018-0264 Mobilities for researchers 2018 • Research team member in 12 national and international projects • Post doctoral proposal research: MULTIDISCIPLINARY APPROACH FOR MONITORING THE OCCURENCE OF POLLEN FROM GENETICALLY MODIFIED ORGANISMS IN BEE PRODUCTS • Reviewer for: Journal of Food Science, Journal of Agriculture and Food Chemistry, International Research Journal of Biotechnology, International Research Journal of Microbiology, African Journal of Microbiology Research, Industrial Crops and Products
Technical skills and competencies	<ul style="list-style-type: none"> • Quality control processing well knowing – Quality Manager in Laboratory for Quality Control of Bee Products • Equipment and methodology well knowing for analysis from different food products and bee products
Computer skills and competencies	<ul style="list-style-type: none"> • Microsoft Office user (Word, Excel, Power Point) • Elementary knowledge of computer graphic applications
Driving licence	B category
Anex	ISI published papers

Annex

1. **Otilia Bobiș**, Daniel Dezmirean, Adela Ramona Moise, **2018**, Honey and Diabetes: The Importance of Natural Simple Sugars in Diet for Preventing and Treating Different Type of Diabetes, **Oxidative Medicine and Cellular Longevity**, Volume 2018, Article ID 4757893, 12 pages, doi.org/10.1155/2018/4757893, **IF= 4.593**
2. **Otilia BOBIS**, Victorita BONTA, Alina VARADI, Mirela STRANT, Daniel DEZMIREAN, **2017**, Bee Products and Oxidative Stress: Bioavailability of Their Functional Constituents, *Modern Applications of Bioequivalence & Bioavailability*, 1(3): 555565
3. Claudia Pasca, Liviu Mărghitaș, Daniel Dezmirean, **Otilia Bobiș**, Victorița Bonta, Flore Chirilă, Ioana Matei *, Nicodim Fiț, *In vitro* antimicrobial activity testing of medicinal plants based products on pathogens isolated from mastitis milk, **Molecules**, 22(9), 1473; doi:10.3390/molecules22091473, **IF=2.861**
4. Simona Varvara, Roxana Bostan, **Otilia Bobis**, Luiza Gaina, Florin Popa, Vicente Mena; Ricardo M Souto, Propolis as a green corrosion inhibitor for bronze in weakly acidic solution, **Applied Surface Science**, DOI: 10.1016/j.apsusc.2017.07.230, **IF=3.387**
5. Hoshyar Azeez, Kadhim Ibrahim, Rodica Pop, Doru Pamfil, Monica Harta, **Otilia Bobis**, **2017**, Changes induced by gamma ray irradiation on biomass production and secondary metabolites accumulation in *Hypericum triquetrifolium* T. callus cultures, **Industrial Crops and Products**, 108, 183-189 **IF= 3.181**
6. Daniel S. Dezmirean, Liviu A. Mărghitaș, Flore Chirilă, Florina Copaciu, Vasile Simonca, **Otilia Bobiș***, Silvio Erler, **2017**, Influence of geographic origin, plant material and polyphenolic substances on antibacterial properties of propolis against human and bee pathogens, **Journal of Apicultural Research**, DOI: 10.1080/00218839.2017.1356205, **IF= 1.364**
7. Thomas V Vezeteu, **Otilia Bobiș**, Robin FA Moritz, Anja Buttstedt, **2016**, Food to some, poison to others-honeybee royal jelly and its growth inhibiting effect on European Foulbrood bacteria, **MicrobiologyOpen**, DOI: 10.1002/mbo3.397, **IF = 2.148**
8. Adriana Aurori, **Otilia Bobiș**, Daniel Dezmirean, Silvio Erler, **2016**, Bay laurel (*Laurus nobilis*) as potential antiviral treatment in naturally BQCV infected honeybees, **Virus Research**, 222:29-33 · August 2016, doi:10.1016/j.virusres.2016.05.024, **IF=2.32**
9. Rodica Mărgăoan, Liviu Al. Mărghitaș, Daniel Dezmirean, Silvio Erler, **Otilia Bobiș**, **2016**, Antiproliferative activity and apoptotic effects of *Filipendula ulmaria* pollen against CX26 mice colon tumour cells, **Journal of Apicultural Science**, 60(1):135-144 · June 2016, doi:10.1515/jas-2016-0014, **IF=1.00**
10. **Otilia Bobis**, Daniel Dezmirean, Lavinia Tomos, Flore Chirila, and Liviu Al Marghitaș, **2015**, Correlation between phytochemical profile and antibacterial activity of different medicinal plants, against Gram-positive and Gram-negative bacteria, **Applied Biochemistry and Microbiology**, 51(1), 113-118, **IF 0.73**
11. Simona Carmen Duda, Liviu Alexandru Marghitas, Daniel Dezmirean, Marcel Duda, Rodica Margaoan, **Otilia Bobis**, **2015**, Changes in major bioactive compounds with antioxidant activity of *Agastache foeniculum*, *Lavandula angustifolia*, *Melissa officinalis* and *Nepeta cataria*: Effect of harvest time and plant species, **Industrial Crops and Products**, 77 (2015) 499–507, **IF = 2.84**
12. Adriana Aurori, Silvio Erler, **Otilia Bobis**, Daniel S. Dezmirean, Liviu A. Mărghitaș, **2015**, Screening for antivirals using an in vivo honeybee - BQCV model system, **Journal of Biotechnology** 08/2015; 208(Supplement):S27-S28. DOI:10.1016/j.jbiotec.2015.06.073, **IF=2.87**
13. Andruța Mureșan, Sevastița Muste, Romina Vlaic, **Otilia Bobiș**, Crina Mureșan, Carmen Socaciu, Vlad Mureșan, **2015**, HPLC determination and FT-MIR prediction of sugars from juices of different apple cultivars during fruit development, **Notulae Botanicae Horti Agrobotanici**, 43(1), doi: 10.15835/nbha4319879

14. Bogdan I. Gherman, Andreas Denner, **Otilia Bobiș**, Daniel S. Dezmirean, Liviu A. Mărghitaș, Helge Schlüns, Robin F. A. Moritz, Silvio Erler, **2014**, Pathogen-associated self-medication behavior in the honeybee *Apis mellifera*, **Behavioral Ecology and Sociobiology**, 68(11):1777-1784
15. Silvio Erler, Andreas Denner, **Otilia Bobiș**, Eva Forsgren, Robin F. A. Moritz, **2014**, Diversity of honey stores and their impact on pathogenic bacteria of the honeybee, *Apis mellifera*, **Ecology and Evolution** 10/2014; 4(20):3960-3967
16. Rodica Margaoan, Liviu Alexandru Marghitas, Daniel Severus Dezmirean, Francisc Dulf, Andreea Bunea, Sonia Ancuta Socaci, **Otilia Bobis**, **2014**, Predominant and secondary pollen botanical origin influence the carotenoid and fatty acid profile in fresh honeybee collected pollen, **Journal of Agricultural and Food Chemistry**, 62, 6306-6316
17. Liviu Al. Marghitaș, Daniel S. Dezmirean, and **Otilia Bobiș**, Important Developments in Romanian Propolis Research, **Evidence-Based Complementary and Alternative Medicine**, Volume **2013**, Article ID 159392, 9 pages, <http://dx.doi.org/10.1155/2013/159392>, **IF=1.72**
18. Grația Dezmirean, Mărghitaș L., **Otilia Bobiș**, Dezmirean D., Victorita Bonta, Erler S., **2012**, Botanical origin cause changes in nutritional profile and antioxidant activity of fermented products obtained from honey, **Journal of Agricultural and Food Chemistry**, 60, 8028-8035, **IF=2.82**
19. L.A.Mărghitaș, D.Dezmirean, Cristina Pocol, Marioara Ilea, **Otilia Bobiș**, Iosif Gergen, **2010**, The Development of a Biochemical Profile of Acacia Honey by identifying Biochemical Determinants of its Quality, **Notulae Botanicae, Horti Agrobotanicae**, 38(2), 9-15, **IF=0.55**
20. Liviu A. Mărghitaș, Oltica G. Stanciu, Daniel S. Dezmirean, **Otilia Bobiș**, Olimpia Popescu, Stefan Bogdanov, Maria Graca Campos, **2009**, *In vitro* antioxidant capacity of honeybee-collected pollen of selected floral origin harvested from Romania, **Food Chemistry**, 115 (3), 878-883, **IF=3.15**
21. Liviu Al. Marghitas, D. Dezmirean, Adela Moise, **Otilia Bobis**, S. Bogdanov **2009**, Physico-chemical and bioactive properties of different floral origin honeys from Romania, **Food Chemistry**, 112, 863-867, **IF=3.15**
22. Andrea Bunea, Mirjana Andjelkovic, Carmen Socaciu, **Otilia Bobiș**, Madalina Neacșu, Roland Verhe, John van Camp **2007**, Total and individual carotenoids and phenolic acids content in fresh, refrigerated and processed spinach (*Spinacia oleracea L.*), **Food Chemistry**, 108, 649-656, **IF=3.05**

I hereby certify that the above statements are true.

