



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) KIRIL BAHCEVANDZIEV  
Address(es) COIMBRA POLYTECHNICS, COLLEGE OF AGRICULTURE, BENCANTA, 3045-601 COIMBRA  
Telephone(s) +351239802948 Mobile: +351962358100  
Fax(es) +351239802979  
E-mail kiril@esac.pt  
Nationality Portuguese  
Date of birth 26 May 1959  
Gender Male

### PROFESSIONAL AND INSTITUTIONAL EXPERIENCE

**COIMBRA POLYTECHNIC – COLLEGE OF AGRICULTURE**

2014 – today Member of the Assembly of Representatives  
2008 – today Coordinator of the BSc Course in Biotechnology (LBIOT)  
2016 - today Member of the Course Commission of BSc in Engineering of Agriculture and Animal Science Course (LEAP)  
2006 – 2007 President of the Pedagogic Council.  
2006 – 2016 Member of the Pedagogic Council  
2005 – today Associate Professor with permanent status  
2005 – 2008 Co-cordinator of the BSc Course in Biotechnology (LBIOT)  
2004 – 2008 Sub-Director of BSc in Engineering of Agriculture and Animal Science Course (LEAP)  
1995 – 2004 During this period was an assistant professor at the ESAC was responsible for the International relationships, Secretary of the Scientific Council, Secretary of the Portuguese Society of Horticulture

**AZORES UNIVERSITY – DEPARTMENT OF AGRICULTURAL SCIENCES**

1994 - 1995 Assistant  
1992 - 1993 Project Consultor in Education and Agriculture

**PROFESSIONAL AGRICULTURAL COLLEGE BEIRA AGUIEIRA**

1990 – 1992 Teacher and responsible for different projects in education and plant production

**Ss. CYRIL AND METHODIUS UNIVERSITY IN SKOPJE (REPUBLIC OF MACEDONIA)**

1985 – 1987 Assistant of Genetics

**SKOVIN – SKOPIE (REPUBLIC OF MACEDONIA)**

1984 - 1985 Supervising Technician in Viticulture

## Education and training

2003 PhD "Characterization of the resistance to downy mildew (*Peronospora parasitica* (Pers. ex. Fr.) Fr.) in cotyledonary stage of *Brassica oleracea*", Instituto Superior de Agronomia, University of Lisbon.

1992 MSc "Genetic parthenocarpy in Pepper and Eggplant" M.A.I.Ch. do ICAMAS-CIHAEM (International Centre for Advanced Mediterranean Agronomic Studies), Chania, Greece

1987 – 1988 Specialization study as a part of MSc course M.A.I.Ch. (Mediterranean Agronomic Institute of Chania-Greece) with a title: " Male sterility systems and its use in plant breeding"

1984 BSc in Agriculture at the Ss. CYRIL AND METHODIUS UNIVERSITY IN SKOPJE (REPUBLIC OF MACEDONIA)

## Complementary Education

The most relevant courses from 10 attended

Course on Biological and Biochemical Applications of Massive Parallel DNA Sequencing (Advanced Molecular Genomics Course), organized in BIOCANT, Cantanhede (2008); Course on Molecular Methods to study complex Microbial Communities, organized by the Department of Biology, University of Aveiro (2008); Course "The potentials and applications of the Aromatic and Medicinal Plants", organized by the Center of Plant Biology, Faculty of Science, University of Lisbon (2006); Course "Recent Advances in Plant Biology from stress and oxygen radicals to programmed cell death and senescence", in IBMC organized by the University of Porto (1999).

## Academic activity

2001 - today Main professor and responsible for different subjects in BSc and MSc courses

2008 - today Plant productivity, Conservation of plant Genetic Resources, Aromatic and medicinal plants (MSc).

1985 - today Genetics, Plant Biotechnology, Genetic Engineering, Introduction to Biotechnology, Plant Tissue Culture, Floriculture and Gardening, Horticulture, Plant Breeding, Arable Crops, Applied Biology, Plant Production, Agricultural Production, General Agriculture (BSc)

## Academic activity as Invited professor

Member of the jury of PhD and MSc thesis (UNIVERSITY OF LIFE SCIENCE BRNO /CZECH REPUBLIC/, UNIVERSITY OF COIMBRA)

UNIVERSITY HAS DEN BOSCH (HOLLAND); SCOTTISH AGRICULTURAL COLLEGE OF ABERDEEN (SCOTLAND); UNIVERSITY OF TORINO (ITALY); POLYTECHNIC INSTITUTE OF CASTELO BRANCO, AGRICULTURAL UNIVERSITY OF PLOVDIV (BULGARIA); UNIVERSITY OF LIFE SCIENCE BYDGOSZCZ (POLAND); UNIVERSITY OF LIFE SCIENCE POZNAN (POLAND); UNIVERSITY OF LIFE SCIENCE BRNO (CZECH REPUBLIC); UNIVERSITY OF LJUBLJANA (SLOVENIA); NAMIK KEMAL UNIVERSITY (TURKEY); UNIVERSITY GOCE DELCEV STIP (REPUBLIC OF MACEDONIA); COLLEGE OF AGRICULTURE, LATVIA UNIVERSITY OF AGRICULTURE (LATVIA), UNIVERSITY OF NAPLES FEDERICO II (ITALY), POLYTECHNIC "MARKO MARULIĆ" (CROACIA).

Invited professor in the BSc course of Horticulture and MSc course of Biotechnology, University of Life science and Technology Bydgoszcz (POLAND) as a part of POWER project, Nov-December, 2018 (6 weeks).

## Publications and Communications

Between 30 publications, book and congress communications (some are in publishing and not mentioned below), the most recent ones

Melo, P.; Abreu, C.; Bahcevandziev, K.; Araujo, G.; Pereira, L. Biostimulant Effect of Marine Macroalgae Bioextract on Pepper Grown in Greenhouse. Appl. Sci. 2020, 10, 4052.

Tiago S., J. Cotas, K. Bahcevandziev, L. Pereira. Atualização científica da tradição: Revisitação científica aos métodos tradicionais de fertilização com macroalgas em Portugal. APH n° 136, 2020, pp 38-41. ISSN: 1646-1290 | Dep. legal: 1566/92.

Paulo C d M, Carlos G d A, Kiril B, Leonel P. Marine Macroalgae Bioextract Changes the Index of Reflectance in Pepper Plants. Oceanogr Fish Open Access J. 2020; 11(5): 555822. DOI: 10.19080/OFOAJ.2020.11.5558220087

- Leonel Pereira, Kiril Bahcevandziev, Nilesh H. Joshi. Seaweeds as Plant Fertilizer, Agricultural Biostimulants and Animal Fodder. (book) CRC Press. Published October 18, 2019, 224 Pages. ISBN 9780429487156.
- Justyna Lema-Rumińska, Dariusz Kulus, Alicja Tymoszuik, Jorge M.T.B. Varejão, Kiril Bahcevandziev. Profile of secondary metabolites and genetic stability analysis in new lines of *Echinacea purpurea* (L.) Moench micropropagated via somatic embryogenesis. *Industrial Crops and Products*, Volume 142, <https://doi.org/10.1016/j.indcrop.2019.111851>.
- Silva L. D., K. Bahcevandziev & Pereira L. Production of bio-fertilizer from *Ascophyllum nodosum* and *Sargassum muticum* (Phaeophyceae). *Journal of Oceanology and Limnology*, 2019, Volume 37, Issue 3, pp 918–927. <https://doi.org/10.1007/s00343-019-8109-x>
- Bahcevandziev K – Invited lecturer presenting a communication: "Use of seaweed extracts on the lettuce (*Lactuca sativa* L.) production?" 2<sup>nd</sup> International Meeting Agriscience & Practice organized by Faculty of Agriculture, University Goce Delcev - Stip (Republic of Macedonia), May 2019. **(oral)**
- Bahcevandziev K – Invited lecturer presenting a communication: "University-enterprise knowledge transfer: Can agriculture be precise?" 1<sup>st</sup> International Meeting Agriscience & Practice organized by Faculty of Agriculture, University Goce Delcev - Stip (Republic of Macedonia), May, 2018. **(oral)**
- Bahcevandziev K., Santos P., Silva L. D., Pereira L. Study of seaweed extracts as Bio-fertilizer to stimulate plant development of lettuce and tomato. 3<sup>rd</sup> International Symposium for Agriculture and Food ISAF 2017 18-20 October 2017 Ohrid, Republic of Macedonia. **(oral)**
- Silva, L.D., Bahcevandziev, K., & Pereira, L. (2016). Use of seaweed extracts from *Sargassum muticum* and *Ascophyllum nodosum* (Phaeophyceae) as a possible fertilizer. 24<sup>th</sup> International Symposium of the Scientific Centre for Fertilizers, "Plant nutrition and fertilizer issues for specialty crops", September 6-8, Coimbra, Portugal. **(oral)**
- Y. Takahashi, K. Bahcevandziev & P.M. Moreira. Fieldwork of Agriculture Science in North Portugal. The Proceedings of JSME annual Conference on Robotics and Mechatronics (Robomec). 2015 1A1-Q07 (1 - 3). ISSN : 2424-3124
- Bahcevandziev, K., M.S. Silva & A.A. Monteiro. Histological characterization of downy mildew (*Hyaloperonospora brassicae*) resistance in Portuguese cabbage (*Brassica oleracea* var. *trunchuda*). *European Journal of Plant Pathology*. 2015, Volume 141, Issue 1, pp 199-207. DOI: 10.1007/s10658-014-0522-6
- Bahcevandziev, K., Pinto, I., Semião, M., Mota, P. & Trindade, H. Quantification of the DNA content in different accessions of *Thymus caespititius*. *Discourse Journal of Agriculture and Food Sciences*, 2014, Vol. 2(10): 277-283. ISSN: 2346-7002
- Bahcevandziev K., Almeida A. S., Pinto I., Semião M., Oliveira M., Negrão S. Production of rice breeding lines through doubled haploids. **Poster presented at** Plant Physiology and Genetics – Achievements and Challenges, 24-26 September 2014, Sofia, Bulgaria, 2014, p.68.
- Bahcevandziev, K., M. Semião, I. Pinto and S. Negrão. In vitro production of double haploid plants from *Oryza sativa*. **Poster presented at** VIII International Symposium on In Vitro Culture and Horticultural Breeding. June 2-7, 2013, Coimbra (Portugal)
- Bahcevandziev, K., M. Semiao, I. Pinto , M. M. Oliveira and S. Negrão. Doubled haploids as a tool for rice breeding. **Poster presented at** XIII Congresso Luso-Espanhol de Fisiologia Vegetal.2013.p134
- Lima,AS, Bahcevandziev, K, Figueiredo, AC, Pedro,LG, Barroso, JG, Trindade, H. Volatiles stability of field propagated *Thymus caespititius* chemotypes. **Poster presented at** 43<sup>rd</sup> International Symposium on Essential Oils (Lisboa, 5 – 8 de Setembro, 2012. P:129.
- Bahcevandziev K, Espirito Santo C, Costa JR, Mota P. Microalgae: promising source in the production of carotenoids and essential oils. **Poster presented at** 43<sup>rd</sup> International Symposium on Essential Oils (Lisboa, 5 – 8 de Setembro, 2012, p. 205.
- Espirito Santo, C. , Costa, J. , Mota,P. and K. Bahcevandziev. Avaliação do efeito do meio de cultivo no teor e perfil lipídico das microalgas *Haematococcus pluvialis* Flotow, *Chlamydomonas* sp. *ehrenberge* e *Oocystis* sp. Nageli. **Poster presented at** III Workshop de Biotecnologia; Aveiro, 9 Maio 2012, p: 14-15
- Kiril Bahcevandziev, A. Sofia Lima & Helena Trindade. Estimation of nuclear DNA content in various chemotypes of *Thymus caespititius* Brot. (Lamiaceae) by flow cytometry. **Poster presented at** Food and Agriculture COST Action FA1006, *Plant Metabolic Engineering for High Value Products*, 1<sup>st</sup> Annual Conference, Murcia (Espanha) 17-18 November 2011, p: 28

Flávia Jorge, Luís Coelho, Kiril Bahcevandziev & André Martins. Avaliação pós-colheita de oito variedades de rosa (*Rosa spp.*) em 3 soluções de conservação em jarra. V Jornadas Ibéricas de Horticultura Ornamental, 2011, Actas da APH nº 19, p: 219-228.

Bahcevandziev, K., Guilherme, R., Melo, F., P. Mota & Trindade, H. Estudo preliminar de quimiótipos de *Thymus caespititius* com recurso à técnica de citometria de fluxo. 3º Colóquio Nacional de Horticultura Biológica e 1º Colóquio Nacional de Produção Animal Biológica, Braga, 22-24 Setembro 2011. Actas da APH, nº 17, p: 48-51.

Branca, F., Bahcevandziev, K., Petricone, V. And A. Monteiro 2005: "Sources of resistance to downy mildew (*Peronospora parasitica* (Pers. ex. Fr.) Fr.) in Sicilian germplasm of cauliflower and broccoli". Biodiversity and Conservation 14: 841-848, 2005.

Monteiro, A. A., Coelho, P. S., Bahcevandziev, K. and L. Valério: "Inheritance of downy mildew resistance at cotyledon and adult-plant stages in 'Couve Algarvia' (*Brassica oleracea* var. *trunchuda*)". Euphytica Volume 141, Issue 1–2, pp 85–92, 2005..

## Research Projects

Participation in research projects (between 17, the most recent)

- 2019 - date** PRIMA – MEDWATERICE - Towards a sustainable water use in Mediterranean rice-based agroecosystems (Utilização sustentável da água nos agroecossistemas do arroz na região mediterrânica). IPC-ESAC, University of Milan, University of Girona, UC, DRAPC.
- 2016 - 2018** Application of molecular markers (RAPD, ISSR), High Performance Liquid Chromatography (HPLC) and Gas Chromatography (GC) for the analysis of genetic stability and secondary metabolites in plants regenerated via somatic embryogenesis in *Echinacea purpurea* (L.) Moench (Institutional cooperation, Portugal and Poland)
- 2015 – 2016** Application of molecular markers (RAPD, ISSR), High Performance Liquid Chromatography (HPLC) and Gas Chromatography (GC) for the analysis of genetic stability and secondary metabolites in plants regenerated via somatic embryogenesis in *Echinacea purpurea* (L.) Moench (Institutional cooperation, Portugal and Poland)
- 2010 – 2015** Participation as team member - PRODER "Strategic Agricultural Information Network: Improvement of the Competitiveness of the Agricultural and Forest Sector" IPCoimbra, IPLeiria
- 2010 – 2015** Participation as team member - PRODER "HelioAgro: Thermal Solar Energy at the Service of Agriculture" EPADRV, ESAC, Universidade de Oslo (Noruega), Universidade de Aveiro
- 2009 – 2013** Participation as team member - PTDC "Breeding for salinity tolerance in rice and identification of key genes/proteins affecting seed set under salt stress" ITQB/UNL, ESAC, IRRI (International Rice Research Institute, Philippines)
- 2009 – 2013** Participation as team member - PTDC "*T.caespititius* chemotypes: molecular, genetic and biotechnological approaches to understand chemical polymorphism" FFC/FC/UL ESAC/IPC ITQB/UNL, IBB (Institute for Biotechnology and Bioengineering)
- 2005 – 2008** Participation as team member - POCI/AGR/56755/2004, PEPAGENE - "Resistance to brassica downy mildew via an avirulence gene expression approach" (ISA-UTL and FC-UL).

## Courses and Congresses

Has organized more than 7 training courses and has been present in more the 40 national and International Congresses and Meetings, presenting communications and/or participating in project proposals. Made part of the organizing comitee of the VIII International Symposium on In Vitro Culture and Horticultural Breeding, held in Coimbra, 2013.

### Scientific Societies

Member of National and International Scientific Societies

- 2010 - 2012** Portuguese Society for Plant Physiology
- 2000 – 2012** European Association for Research on Plant Breeding (EUCARPIA)
- 1995 – today** International Society for Horticultural Science (ISHS)
- 1993 - 2003** American Society for Horticultural Science (ASHS)
- 1991 - today** Portuguese Society for Horticulture (APH)

**Personal skills and competences**

Mother language(s) **MACEDONIAN (MOTHER LANGUAGE) AND PORTUGUESE ( WORKING AND PROFESSIONAL LANGUAGE)**

Other language(s)

Self-assessment

*European level (\*)*

**Language**

**Language**

**Language**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	English	C2	English	C2	English	C2	English	C2	English
C2	Serbian	C2	Serbian	C2	Serbian	C2	Serbian	C2	Serbian
C2	Croatian	C2	Croatian	C2	Croatian	C2	Croatian	C2	Croatian
B2	Spanish	B2	Spanish	B1	Spanish	B1	Spanish	A2	Spanish

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

Social skills and competences Use sport and plays (still) football and basketball

Other organisational skills and competences Administrator of the building where lives

Technical skills and competences Enjoys home working, painting, fotography and breakage

Computer skills and competences Use many different programs, also for teaching and communication

Driving licence N° C-4712028, emitted by the Direcção Geral de Viação de Centro

**Additional information**

Member of an Editorial Board of University Bulletins and Peer-Reviewer of the Annals of Agricultural and Environmental Sciences, Plant Cell, Tissue & Organ Culture, Plant Biotechnology Journal, World Journal of Agricultural Research, African Journal of Plant Science, Journal of Agriculture and Plant Sciences, Industrial Crops and Products, Acta Universitatis.