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CURRICULUM VITAE

July 2016
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CURRENT POSITION

Associate Professor at the University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Agriculture, Plant Sciences Department, Romania.

PROFESSIONAL EXPERIENCE

2008 – until now – **Associate Professor** – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Agriculture, Plant Sciences Department.

2005 – 2008 - **Lecturer** -University of of Agronomic Sciences and Veterinary Medicine of Bucharest , Faculty of Agriculture, Genetics, Breeding and Plant Protection Department.

2000 – 2005 - **Assistant Professor** – University of Agronomic Sciences and Veterinary Medicine, of Bucharest, Faculty of Agriculture, Genetics, Breeding and Plant Protection Department.

1999 – 2000 - **Main Scientific Researcher 3rd Category** –Grain Legumes Breeding Laboratory, National Agricultural Research and Development Institute, Fundulea (NARDI), Romania.

1997- 1999 - **Scientific Resercher** – Grain Legumes Breeding Laboratory. National Agricultural Research and Development Institute, Fundulea (NARDI), Romania.

1995 – 1997 - **Assistant Research** – Grain Legumes Breeding Laboratory. National Agricultural Research and Development Institute, Fundulea (NARDI), Romania.

EDUCATION

1996 – 2002 – **PhD in Agronomy**, Specialization Genetics and Plant Breeding, University of Agronomic Sciences and Veterinary Medicine, Bucharest, Romania

1995 – 1996 - **M.S. in Agronomy**, Specialization - Genetic resources and nonconventional methods for horticultural plants breeding and multiplication, University of Agronomic Sciences and Veterinary, Faculty of Horticulture, Bucharest, Romania

1990-1995 - **B.Sc. in Agronomy**, University of Agronomic Sciences and Veterinary Medicine, Faculty of Agriculture, Bucharest, Romania

PROFESSIONAL ACTIVITIES

ACADEMIC ACTIVITIES

Courses Taught (Lectures and Practical training)

University of Agronomic Sciences and Veterinary Medicine, Bucharest, Romania, Faculty of Agriculture, Department of Crop Sciences.

Plant breeding (undergraduate); Genetics (undergraduate); Plant Genetic Engineering (graduate); Plant Breeding Methodology (graduate); Seed production (graduate); Plant resistance to biotic stress factors (graduate);

Head of Graduate Course

Master of Science in Plant Breeding and Seed Production (2009-present);

Graduate Students Supervised – 65 students – graduation projects (2000 – 2016);

Book published as unique author: *Genetics* – Published in 2007 by Amanda Edit Bucharest, ISBN 978-973-88576-0-5; **Book** published as first author *Plant Breeding* - Published in 2007 by Amanda Edit Bucharest, ISBN 973-87447-9-2; **Book** published with other writers *Technologies for production and conditioning of vegetable seeds according to European Union norms and standards* – Published in 2008 by TEOCOR, ISBN 978-973-1934-07-5;

Scientific Secretary for Department of Genetics, Breeding and Plant Protection (2004 – 2012);

Member of Agriculture Faculty Council – University of Agronomic Sciences and Veterinary Medicine, Bucharest (2004- 2012);

Senate Member - USAMV Bucharest (2015 - present)

Official referee of Commission for ten PhD thesis;

Member of the Postgraduate Commission (M.Sc - Plant Breeding and Seed Production) of the University of Agronomic Sciences and Veterinary Medicine, Bucharest, Romania;

Member in the commission for internal evaluation and approval of the national research projects – University of Agronomic Sciences and Veterinary Medicine, Bucharest, Romania;

Expert with information and communication for project "Doctoral Scholarships for high quality training of young researchers in the field of agronomy and veterinary medicine" – University of Agronomic Sciences and Veterinary Medicine, Bucharest (10/01/2010 to 09/30/2013).

Expert ARACIS - The Romanian Agency for Quality Assurance in Higher Education.

Expert (long term) - "Developing and strengthening the culture quality of higher education in the Romanian - QUALITAS" PLIII, ARACIS, POSDRU/155/1.2/S/141894- 2015.

International peer review activity- The Portuguese Foundation for Science and Technology (FCT) - assess the proposals (3 projects); many scientific papers.

Member of the Technical Committee of organization - 3rd International Conference on Food and Agricultural Sciences (ICFAS) Dubai, UAE, December 5-6, 2015.

Co-moderator International Conference "Agriculture for Life, Life for Agriculture": USAMV Bucharest 2014, 2015, 2016.

Member of the Department of Quality Assurance - USAMV Bucharest.

MEMBERSHIPS / PROFESSIONAL AFFILIATIONS

- Member FESPB - Federation of European Societies of Plant Biology;
- Member ESNA - European Society for New Methods in Agricultural Research;
- Member EPSO – European Plant Science Organisation
- Senior Member APCBEES – Asia-Pacific Chemical Biological&Environmental Engineering Society
- Member EUCARPIA (European Association for Research on Plant Breeding)
- Member of World Academy of Science, Engineering and Technology (WASET) -the Scientific and Technical Committee & Editorial Review Board on Biological and Life Sciences.
- Member in National Commission for varieties registration - The State Institute for Variety Testing and Registration, Romania;
- Member Romanian Society of Agronomy.

AWARDS, HONORS

Research Award

2007 - Diploma of Excellence awarded by the National Institute for Agricultural Research and Development Fundulea for the contribution to growth scientific prestige of NARDI and promoting technical progress in agriculture.

SCIENTIFIC ACTIVITIES

RESEARCH AREA: Genetics and Plant Breeding

Conventional breeding;
Molecular breeding;
Resistance (abiotic and biotic stress etc) breeding;
GMO (Genetically Modified Organism);
Plant development.

RESEARCH GRANTS AND CONTRACTS (selected)

PN-II-PT-PCCA-2011-3.2-1805 Subcontract: 642/2012 (2012-2015). GERMOSTIM. "Interdisciplinary research on seed treatment with collagen hydrolysates to increase quality indicators, pesticide reduction and sustainable development of agricultural production". Project coordinator Probstdorfer Saatzucht Romania SRL Project Manager Partner 3 USAMVB dr.ing. Mihai Gadea, team member.

Contract no. 2562 din 25.04.2013, University of Agronomic Sciences and Veterinary Medicine Bucharest - Monsanto Romania SRL. „The importance of biodiversity in the context of sustainable intensification of agriculture - demonstration plots with conventional corn hybrids”; manager project.

Contract no. 2563 din 25.04.2013, University of Agronomic Sciences and Veterinary Medicine Bucharest - Syngenta Agro SRL. „The importance of biodiversity in the context of sustainable intensification of agriculture and the opportunities on greening component of the new CAP (Common Agricultural Policy) - demonstration plots with conventional corn and sunflower hybrids”; manager project.

Contract no. 2564 din 25.04.2013, University of Agronomic Sciences and Veterinary Medicine Bucharest - SC Pioneer Hi-Bred Romania SRL. „The importance of hybrid seed to increase average production per unit area - demonstration plots with conventional corn hybrids”; manager project.

Project: PN-II-PT-PCCA-2011-3.2-1805 Subcontract: 642/2012 (2012-2015). GERMOSTIM - Interdisciplinary research on seed treatment with collagen hydrolysate for quality indicators increasing, pesticides reduction and sustainable development of agricultural production. Coordinator: SC PROBSTDORFER SAATZUCHT ROMANIA SRL, Partner 3- The University of Agronomic Sciences and Veterinary Medicine from Bucharest (USAMVB); team member USAMVB.

PNII / MEC- ANCS – No.52178. “Interdisciplinary applied research and development for advanced technologies of discrimination, decision and control focused on management weeds by weeding crops” (2008 - 2011); team member USAMVB

PN II / MEC- ANCS – No. 32147. "The effects of pollution on natural populations size, distribution and genetic diversity of the genus Rhizobium in various agricultural areas in Romania and their role in soil remediation” (2008 - 2011); team member USAMVB

CEEX, No.136. “Identification of biodiversity indicators from the main agro biocoenosis to assess changes due to new technologies for disease, weed and pest control” (2006-2008); member USAMVB

CEEX, No 43. „Integrated management of vegetables seed production, conditionality and marketing with a view to harmonised with European norms and standards - TEPACS”(2005-2008); manager project – partner 1 USAMV Bucharest.

CNCSIS, Grant A, No. 33378. “The development of molecular markers for breeding of drought resistance in common bean (*Phaseolus vulgaris* L): A novel strategy” (2004-2006); director project.

International project „The grain legumes development within the areas of nitrogen fixation and wilt resistance, caused by *Fusarium* sp”. The Royal Veterinary and Agricultural University, Department of Agricultural Sciences, Copenhagen, Denmark, 2004; team member.

CNCSIS, Grant A, No. 33605. “Breeding of drought resistance for improving of production stability in common bean (*Phaseolus vulgaris* L.)”; director project.

RELANSIN, No.1260. “Improving of bean growth efficiency developing early maturing varieties with resistance to *Xanthomonas campestris pv.phaseoli*”; director project.

International grant - „ESSA Young Scientist Support” for „European Workshop on Environmental Stress and Sustainable Agriculture” Varna, Bulgaria, 2002; beneficiary grant

Project Orizont 2000. “Genetic diversity in breeding germoplasm for drought bean resistance, diseases soybean resistance and landing pea resistance”, director project.

REFEREED PUBLICATIONS - 60 (SELECTED)

Szilagyi Lizica, Bjarne Jørnsgård, **2014**. *Preliminary agronomic evaluation of *Chenopodium Quinoa Willd. under climatic conditions of Romania**. Scientific Papers. Series A. Agronomy, Vol. LVII, 2014, ISSN 2285-5785; ISSN CD-ROM 2285-5793; ISSN Online 2285-5807; ISSN-L 2285-5785, pg.339 – 343.

Szilágyi Lizica, Zală Cristinel Relu **2014**. *Analysis of genetic relationships among pulse genotypes based on AFLP markers*. The Plant Biology Europe FESPB/EPSO Congress. June 22 – June 26, Dublin, Ireland. <http://www.abstract.xlibx.com/a-biology/>.

Szilagyi Lizica, I.Alabboud, **2014**. *GXE interaction, adaptability and yield stability of lentil genotypes*. Scientific Conference with International Participation “*Bulgarian agriculture – Horizon 2020*” Trakia University, Faculty of Agriculture, Stara Zagora, Bulgaria 15-16 mai. International Journal Agricultural Science and Technology, Bulgaria, ISSN 1313 - 8820.

Szilagyi Lizica, **2014**. *Genotypic and phenotypic correlations among yield and yield contributing characters in lentil (*Lens culinaris Medik.*)*. Scientific Conference with International Participation “*Bulgarian agriculture – Horizon 2020*” Trakia University, Faculty of Agriculture, Stara Zagora, Bulgaria 15-16 mai. International Journal Agricultural Science and Technology, Bulgaria, ISSN 1313 - 8820.

Szilagyi Lizica, **2013** – *Molecular characterization and genetic diversity analysis of food grain legumes using RAPD markers* - International Scientific Symposium: Modern Agriculture - achievements and prospects - eighty years SAUM, State Agrarian University of Moldova. Scientific Papers - Agronomy and Ecology, Chisinau, pg.119-124, ISBN 978-9975-64-250-7.

Lizica Szilagyi, Şemun Tayyar, Matilda Ciucă, **2011**. *Evaluation of genetic diversity in common bean (*Phaseolus vulgaris L.*) using RAPD markers and morpho-agronomic traits*. Romanian Biotechnological Letters (ISI, F.I - 0,152), Vol. 16, No. 1, 2011, Supplement, pag. 98 – 105.

Lizica Szilagyi, Gh.V. Roman, I. Alabboud, **2011**. *Stability analysis for seed yield in lentil (*Lens culinaris Medik.*)*. Scientific Papers, U.S.A.M.V. Bucharest, Series A, Vol. LIV, 2011, ISSN 1222-5339 (CABI).

Raluca Filimon, B. Nechifor, **Lizica Szilagyi**, **2011**. *Molecular diversity of common bean (*Phaseolus vulgaris L.*) cultivars*. Scientific Papers, U.S.A.M.V. Bucharest, Series A, Vol. LIV, 2011, ISSN 1222-5339 (CABI)

B. Nechifor, Raluca Filimon, **Lizica Szilagyi**, **2011**. *Genetic variability, heritability and expected genetic advance as indices for yield and yield components selection in common bean (*Phaseolus vulgaris L.*)*. Scientific Papers, U.S.A.M.V. Bucharest, Series A, Vol. LIV, 2011, ISSN 1222-5339 (CABI)

I. Alabboud, **Lizica Szilagyi**, Gh.V. Roman, **2009**. *Assessment of genetic diversity in lentil (*Lens culinaris Medik.*) as revealed by RAPD markers*. Scientific Papers, U.S.A.M.V. Bucharest, Series A, Vol. LII, pag 439-444, ISSN 1222-5339 (CABI)

Lizica Szilagyi, Casian Hellene, Szilagy

F., Gheorghe Valentina, Chihai

O., 2007. *Genetic analysis on agronomic traits in common bean*. Scientific papers. National Scientific Symposium with International Participation - The impact of Romania's entry into the European Union on agriculture, USAMV Bucharest, Editura Domino, ISBN 978-973-8496-89-7 (pg. 437-441).

Hellene Casian, **Lizica Szilagy**i, F. Szilagy

i, 2006. *Genetic engineering research at sun-flower*. XI International Conference, The Knowledge Based Organization, Buletin Științific. Academia Forțelor terestre, Sibiu. ISBN 973-7809-51-3; ISBN 978-973-7809-51-3 (pg. 239-243).

Hellene Casian, **Lizica Szilagy**i, F. Szilagy

i, 2006. *Research regarding anthers culture method in vitro of wheat*. XI International Conference. The Knowledge Based Organization, Buletin Științific. Academia Forțelor terestre, Sibiu. ISBN 973-7809-51-3; ISBN 978-973-7809-51-3 (pg. 236-238).

Lizica Szilagyi, S. Raza, Hellene Casian, 2005. *Lupin – a potential crop in Romania, studies on the growth and symbiotic performance in lupin cultivars*. Revue de Cytologie et Biologie Végétales – Le Botaniste, 2550 – 28 (s.i), pg. 179-184, ISSN 0181-7582, Paris, France. (www.hs-weingarten.de/~zibold/public/WG%203%20papers%20ESNA%20AMIENS.pdf).

Lizica Szilagyi, 2003. *Influence of drought on seed yield components in common bean*. Bulgarian Journal of Plant Physiology, Special issue, ISSN 1310-4586 (pg. 320-330) (www.bio21.bas.bg/ipp/gapfiles/essa-03/03_essa_320-330).

Lizica Szilagyi, Monica Iuoras, Lidia Cana, Matilda Ciuca, 2003. *Marker-assisted selection to improve drought resistance in common bean*, XXXIII Annual meeting ESNA – Proceedings, Viterbo, Italia.

Lizica Szilagyi, 2001. *Heritability of seed yield components and intercorrelations in common bean*, Miskolc, Ungaria, 3rd International Conference of PHD Students, 307-308, ISBN 963 661 480 6.

PARTICIPATION IN SEVERAL SEMINARS AND WORKSHOPS

Workshop on Food Traceability on Food Value Chain, organized by University of Agronomic Sciences and Veterinary Medicine, Bucharest – 2010; Seminar - *Place of Romanian agricultural research in FP 7*, organized by Academy of Agricultural Sciences and Forestry "Gheorghe Ionescu - Sisesti" – 2007; Seminar - *Agricultural Biotechnology in Romania: present and future*, organized by Romanian Academy - 2006; Course “*Intellectual property*” organized within the European Project TRANSACT in collaboration with The State Office for Inventions and Trademarks, 13-17 2006; Seminar with international participation: *Legal protection and technical examination of new plant varieties under UPOV Convention*, 28.09.2004 - The State Office for Inventions and Trademarks, Bucharest; Seminar with international participation: *Implementation of National Framework for Biosafety in the candidate countries from Central and / Eastern Europe*, Institute of Cellular Biology and Pathology, Bucharest, 26-27.09, 2001).

AUTHOR FOR 2 COMMON BEAN VARIETIES

Delia and Lizica, registered in Common Catalogue of Varieties of Vegetable Species – Seventh supplement to the 24th complete edition. 2007/C1/A/02.

VISITING SCIENTIST

The Royal Veterinary and Agricultural University, Department of Agricultural Sciences (present name - University of Copenhagen, Faculty of Science) - , Copenhagen, Denmark, 2003, 2004.

LANGUAGES

ENGLISH: Read: Good; Spoken: Good; Written: Good

FRENCH: Read – G; Spoken – G; Written – G

ITALIAN: Read – G; Spoken – G; Written – G

REFEREES

Prof. Stan Vasilica –University of Agronomic Sciences and Veterinary Medicine, from Bucharest, Romania – vstan@agro-bucuresti.ro (www.usamv.ro).

Prof. Ion Viorel –Vice Dean Faculty of Agriculture, University of Agronomic Sciences and Veterinary Medicine, Bucharest, Romania, viorelion@agro-bucuresti.ro (www.agro-bucuresti.ro).

