



Curriculum Vitae Europass

Personal information

First name(s) / Surname(s) **CORDEA Mirela Irina**

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Citizenship Romanian

Marital status Unmarried

Date of birth December, 18, 1968

Gender Female

Domains of activity

Teaching degree/ Scientific title Prof. habil. PhD

Department / Key Words Plant breeding

Domains of competence Genetics and Plant Breeding
Experimental design
Seed production
Plant biotechnology

Domains of interest Plant breeding, horticulture

Teaching activity Horticultural plant breeding
Management of seed production and planting material
Stress of plant reaction
Forestry of plant breeding
Biotechnological tools for seed production and planting material
Experimental Design

Education and training

Education - **2017** – Public defense of Habilitation thesis in Horticulture
- **1998 – 2004** University of Agricultural Science and Veterinary Medicine Cluj-Napoca, Diploma of Doctor, serie C, nr. 0010500
- **1988 – 1993** University of Agricultural Science and Veterinary Medicine Cluj-Napoca, Diploma of Horticultural Engineer, serie I Nr. 1833
- **1983 – 1987** Industrial high school Jibou, Diploma serie: F Nr. 46888



Specializations and qualifications	<p>- 2007: University of Copenhagen, Faculty of Life Sciences, Department of Agricultural Sciences, Copenhagen, Denmark, postdoc scholarship provided by the Ministry of Education and Research Romania, through CNBSS (6 months);</p> <p>- 2002 - 2003: Danish Institute of Agricultural Science, the Royal Veterinary and Agriculture University, Copenhagen, Denmark, Plant Biotechnology Dpt., Marie Curie scholarship (1 year);</p> <p>- 2001: University of Nottingham, UK, School of Biosciences, Plant Science Division, full-time MSc, Plant Genetic Manipulation (5 months);</p> <p>- 1999: De Montfort University, School of Agriculture and Horticulture, Lincoln, UK; specialization in: Short Term Agricultural Higher Education (1 month)</p>
Work experience	
Dates / Occupation or position held/ Name of employer	<p>2016 – up to now – Vice-dean of Research, Faculty of Horticulture, UASVM Cluj-Napoca</p> <p>2018 – up to now – PhD Coordinator in Horticulture, IOSUD – SAI, UASVM Cluj-Napoca</p> <p>Feb. 2015 – up to now – Professor, Faculty of Horticulture, UASVM Cluj-Napoca</p> <p>Oct. 2008 – 2015 – Associate Prof., Faculty of Horticulture, UASVM Cluj-Napoca</p> <p>2004 – 2008 – Lecturer, Faculty of Horticulture, UASVM Cluj-Napoca</p> <p>2001 – 2004 - Assistant professor, Faculty of Horticulture, UASVM Cluj-Napoca</p> <p>1998 – 2001 - Full time PhD Student, Faculty of Horticulture, UASVM Cluj-Napoca</p>
Professional affiliations	1998 - Romanian Association of Roses in Romania
Memberships	2003 - EUCARPIA (European Association for Research on Plant Breeding) – Representative for Romania 2003 - ISHS (International Society for Horticultural Sciences) 2012 - Horticulture and Forestry Society from Transylvania 2013 – Romanian Horticultural Society 2015 – EBTNA (European Biotechnology Thematic Network Association) 2015 - EPSO, European Plant Sciences Organization
Coordinated research contracts	<p>2014 – 2017, Scientific and Consulting project, Director, Research on biological and economic efficiency of sweetcorn lyophilization.</p> <p>2005 – 2007, Grant CNCSIS Director, Determining the authenticity of F₁ hybrids in <i>Ipomoea</i> genus, by RAPD analysis.</p> <p>2009 - 2011, Grant PN-II-ID-PCE-2008-2 Member, Effect of genotype x crop environment interaction upon yield and kernel quality in sweet corn grown in conventional and organic (low input) systems of agriculture.</p> <p>2007 - 2008, Grant CNCSIS nr. 848, Member, Developing modern methods to exploit artificial variability in <i>Pirus communis</i>: phenotypic selection complemented by MAS (Bulk Segregate Analysis).</p> <p>2007 – 2008, Grant CNCSIS Member, The genetic variability and fruit production stability on the main plums cultivars in Transylvania by molecular markers and nonparametric methods.</p> <p>2006 – 2008, Proiect CEEX, Modul I, Tip: P-CD, Nr. Proiect: 29/19.07.2006, Landscape appropriation and modernization in Romania and its favorable impact on environment and human beings.</p> <p>2006 - 2008, Proiect CEEX, modul III, nr. 1864, Inhacement of participations of Romania horticultural research into European and international programs on germplasm criopreservation.</p> <p>2006 - 2008, Grant CNCSIS, Use of molecular analyses to identify individual of pharmaceutical value, originated in different growing areas of <i>Ginkgo biloba</i> L.</p> <p>2005 – 2007, Grant CNCSIS Member, The phenotypic variability and polymorphism at molecular level on the main apples cultivars in Transylvania.</p> <p>2004 - 2006, Grant CNCSIS Member, RAPD molecular markers for gene identification witch control ideotyp and daises resistance in apple.</p> <p>2002- 2004, Grant CNCSIS Member, In vitro mutation in lettuce for breeding purposes.</p> <p>2001 - 2003, Grant CNCSIS Member, Inducing variability in <i>Ipomoea</i> genus by means of intra-and interspecific hybridization.</p> <p>1998 – 2001, Grant CNCSIS Member, Somaclonal variation and in vitro induced mutations in ornamental species for breeding purposes.</p>
Referent, evaluator, expert etc.	<p>- Referent for PhD thesis (USAMV Cluj-Napoca and USAMVB Timisoara, UBB Cluj-Napoca)</p> <p>- External evaluator for PhD thesis „Comparative analyses of plant responses to drought and salt stress in related taxa: A useful approach to study stress tolerance mechanisms” MOHAMAD AL HASSAN, Polytechnic University of Valencia Spain 2015</p>
Publications	<p>- 4 books/courses, 1 Horticultural plant breeding-practical work;</p> <p>- 94 published scientific articles: 21 in journals ISI or ISI indexing, 73 in journals indexing in International Data Base and 34 in another scientific journals and paper conference.</p>

Significant published books and articles

4 books/courses and one practical works

1. **CORDEA MIRELA IRINA**, 2014, Zorelele, Ed. AcademicPres, Cluj-Napoca, ISBN 978-973-744-366=3, 173 pag.
2. **CORDEA MIRELA IRINA**, 2014, Ameliorarea plantelor horticole-lucrari practice, Ed. AcademicPres, Cluj-Napoca, ISBN 978-973-744-359-5, 156 pag.
1. **CORDEA MIRELA**, 2008, Producerea de sămânță și material săditor horticol, Ed. AcademicPres, Cluj-Napoca, ISBN 978-973-744-114-0, 205 pag.
2. ARDELEAN, M., R. SESTRĂȘ, **MIRELA CORDEA**, 2007, Tehnică experimentală horticolă, Ed. AcademicPres, Cluj-Napoca, ISBN 973-744-8266-75-0, 110 pag.
3. ARDELEAN MARIN, R. SESTRĂȘ, **MIRELA CORDEA**, 2006, Ameliorarea plantelor horticole, Ed. AcademicPres, Cluj-Napoca, ISBN 10: 973-744-037-4; ISBN 13: 978-973-744-037-2, 132 pag.

5 published articles:

1. **CORDEA, Mirela Irina**; Pop, Rodica; Sisea, Cristian Radu; Peticila, Adrian; Vintila, Alexandra Ioana, 2019, Artificial hybridization and *in vitro* seed germination in *Phalaenopsis* sp., Scientific Papers. Series B, Horticulture. Bucuresti, Vol: 63 Issue: 1 Pages: 535-539
2. Sobolu, Rodica; **CORDEA, Mirela**, Pop, Ioana; Popescu, Daniela, Pusta, Dana, 2019, Grapes' Leaves Disease Detection Though Image Processing, Scientific Papers. Series B, Horticulture. Vol. 63 Issue: 1 Pages: 247-252, 2019. (mcordea@usamvcluj - autor corespondent)
3. **Mirela Irina CORDEA**, Ioana Delia Pop, Sonia Bors-Oprisa, Lucia Mihalescu, 2018, Pollen Analysis in Some Tulip Cultivars, Scientific Papers. Series B, Horticulture. Vol. LXII, p 601-604.
4. Cristina Bianca POCOL, Călin MOLDOVAN-TESELIOS, Daniele CAVICCHIOLI, **Mirela Irina CORDEA**, 2017, Has the Leader Programme Been Effective in Promoting Local Rural Development? An Evaluation on Two Romanian Regions, AgroLife Scientific Journal - Volume 6, Number 1 (201-211) ISSN 2285-5718.
5. Charlotte Kristiane Hjulsager, Birgit Schlichter Olsen, Ditte Marie Kjær Jensen, **Mirela Irina Cordea**, Britta N. Krath, I. Elisabeth Johansen And Ole Søggaard Lund, 2006, Multiple determinants in the coding region of *Pea seed-borne* mosaic virus P3 are involved in virulence against sbm-2 resistance, Virology, Vol. 355, no. 1, p 52-61.

<https://scholar.google.com/citations?user=0cUjTqIAAAAJ&hl=en>

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WOS researcherID [K-6775-2019](#)

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)
Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

(*) [Nivelul Cadrelui European Comun de Referință Pentru Limbi Străine](#)

Conferences

- 2000 – Mondial Conference of Roses – Kazanlak, Bulgaria, 28.05 – 04.06.
- 2002 – International Symposium “Innováció, a tudomány és a gyakorlat egysége az ezredforduló agráriumban, 11-12 April 2002 Debrecen, Hungary
- 2005 – International Symposium, “Proceedings 45th Croatian symposium on Agriculture”, 15-18 Feb., Opatia, Croatia
- 2006 – International Symposium ”Proceedings of the 22nd International Eucarpia Symposium, Section Ornamentals, “Breeding for Beauty”, Sanremo, Italy, 15-19 Sept.
- 2008 – International Symposium, “First Symposium on Horticulture in Europe, Vienna, Austria, 17-20Feb.
- 2008 – The 18th Congress General EUCARPIA “Modern Variety Breeding for Present and Future Needs”, 9-12 Sept. 2008, Valencia, Spain.
- 2010 - The 28th International Horticultural Congress, 22-27 August, Lisbon, Portugal.
- 2012 - 3rd Scientific Conference “New findings in organic farming research and their possible use for Central and Eastern Europe” Prague, Czech Republic, November 14 - 15, 2011 Prague.
- 2014 – U- multirank 25 June 2014, Brussels.
- 2017 – SME Organics, 5-9 feb. 2017, Bari, Italia – stakeholder USAMV Cluj-Napoca

Teaching mobility

- 2004 – The Royal Veterinary and Agricultural Sciences (KVL) Copenhagen, Denmark, TA Erasmus, 21-26 sept. 2004.
- 2005 – Institute National D’Horticulture, Angers, France, TA Erasmus, 3-10 July.
- 2005 – University of Nottingham, England, TA Erasmus, 21 – 25 July 2005.
- 2005 – Writtle College, Chelmsford, England, TA Erasmus, 2005.
- 2007 – University of Copenhagen, Faculty of Life Sciences, Denmark, 15-20 sept., TA Erasmus.
- 2008 – Universitat Politècnica de València, Spain, 9-12 Sept.,TA Erasmus
- 2009 – Università Cattolica del Sacro Cuore – Istituto di Frutti-Viticultura, Faculta’ di Agraria Piacenza”, Italy, Lifelong Learning Erasmus program, IP, 16 Feb. – 6 March.
- 2009 – Universitat Politècnica de València, 2-9 July, TA Erasmus, Spain.
- 2010 – Akdeniz University – Antalya Turkey, 19-26 Sept. 2010, TA Erasmus
- 2011 – Akdeniz University – Antalya Turkey, 16-23 Sept. 2011, TA Erasmus
- 2012 - Polytechnic University of Madrid, Spain, 11 – 15 June 2012,TA Erasmus
- 2014 – Universitat Politècnica de València, Spain, 10-15 April , TA Erasmus

Organizational/ managerial skills

- Vice-dean of research Faculty of Horticulture 2016 up to now;
- Coordinator for the Master program: Genetic Engineering in Plant Breeding;
- Responsible for the ERASMUS program of the Faculty of Horticulture;
- Responsible for the Quality Assurance of the Faculty of Horticulture;
- Academic Advisor for the Department of Horticulture and Landscape;
- Member of the Senate of UASVM Cluj-Napoca;
- Coordinator the Newsletter of UASVM Cluj-Napoca;
- Organizing the „European Biotechnology Days 9-11 Oct. 2014;

Cluj-Napoca
02.07.2020

Prof.habil. Dr. Mirela Irina CORDEA

