



ROMANIA
MINISTRY OF EDUCATION AND SCIENTIFIC RESEARCH
UNIVERSITY OF AGRICULTURAL SCIENCES AND
VETERINARY MEDICINE CLUJ-NAPOCA
 Mănăștur Nr.3-5, 400372 Cluj-Napoca, Romania
 phone.+ 40-264-596.384; fax + 40-264-593.792

CURRICULUM VITAE



1. Surname: MUNTEAN

2. Name: LEON

3. Date and place of birth: [REDACTED]

4. Citizenship: Romanian

5. Marital status: Married

6. Residence and contact information: [REDACTED]

[REDACTED], email: leon.muntean@usamvcluj.ro

7. Present employer: USAMV Cluj-Napoca

8. Present profession and position: Professor, Department of Plant Breeding, Faculty of Agriculture, UASVM Cluj-Napoca, ROMANIA

9. Seniority in current workplace: 29 years

10. Education and professional training:

Institution	Highschool	University/Faculty	University/Faculty
Period:	„Natural Sciences” (1990 – 1992)	UASVM Cluj-Napoca, Faculty of Agriculture (1992 – 1997)	UASVM Cluj-Napoca, Faculty of Agriculture (1999 – 2002)
Degrees or diplomas obtained:	Baccalaureate diploma series T nr. 0040045	Bachelor Degree series P n. 0102076	Doctoral diploma series C n. 0004381

11. Professional career:

Professional career	Period				
	2020 - present	2014 – 2020	2003-2014	1999-2003	1997-1999
Workplace:	Department of Plant Breeding/Faculty of Agriculture				
Institution:	University of Agricultural Sciences and Veterinary Medicine Cluj – Napoca				
Position:	Professor	Associate Professor	Lecturer	Assistant	Preparatory Assistant
Description:	Teaching and research in plant melioration and seed production				

12. Language skills (reading, conversation, writing)

- English

Comprehension				Speaking				Writing	
Listening		Reading		Conversation		Speaking		Written expression	
C2	Proficient user	C2	Proficient user	C1	Advanced user	C1	Advanced user	C1	Advanced user

13. Training and research stages abroad (institution, purpose/ field, period)

- Ohio State University, USA (Fulbright scholarship) - genomic selection in wheat/plant breeding, 16.09.2015 – 15.12.2015;
- University of Nottingham, England (Erasmus scholarship) – the use of AFLP markers in *Trifolium pratense*/plant breeding, 1.07.2002 – 27.09 2002;
- Faculte Universitaire des Sciences Agronomiques Gembloux Belgium, research scholarship/medicinal and aromatic plants, 08.08.1999 – 09.09.1999;

14. Management experience as:

a) Manager or responsible for national projects:

Programme/Project (title, identification data, value for USAMVCN)	Position	Period
ForestCONNECT DRP0200359, 225.000 Euro	Partner project manager USAMV	2024-2026
Increasing the level of social inclusion by harmonizing the educational offer with the requirements of the labor market and facilitating access to higher education for students from disadvantaged backgrounds, CNFIS-FDI-2020-0385, 320.000 RON	Manager	2020
Obtaining new potato varieties with superior ability to respond to abiotic and biotic stress by using genetic determinism of tolerance traits, ADER 4.1.1., 90.000 RON	Partner project manager USAMV	2019-2022
Measures for social inclusion and equal access to the labour market through the harmonizing of educational offer and labour market requirements, CNFIS-FDI-2019-0078, 400.000 RON	Manager	2019
HeadStart POCU MySMIS 107458, contract n. 71517/01.10.2018, 2.217.970,48 RON	Manager	2018-2020
Promotion of social equity and facilitation of quality higher education access in order to provide social inclusion for students in disadvantaged environments within USAMV Cluj-Napoca CNFIS FDI 2018 0285, 200.000 RON	Manager	2018
Research contract with the private sector USAMVCN and SC MORAGROIND SRL – Obtaining of a hop variety, 124.000 RON	Manager	2017-2019
Increase of higher educational access for disadvantaged youth and reduction of university dropout rate for USAMVCN students towards the provision of social equity CNFIS FDI 2017 0688, 212.000 RON	Manager	2017
Increase of social inclusion for USAMV Cluj-Napoca students in order to facilitate higher education access for rural students in the North West region of Romania, CNFIS-FDI-2016-0028, 175.000 RON	Manager	2016
Internal grant USAMV Cluj-Napoca – Study of the phenotypic and genotypic value of synthetic early maize populations, 12.000 RON	Manager	2012
CNCSIS AT The use of biotechnologies in medicinal plant breeding, 75.000 RON	Manager	2007-2008
CNCSIS AT The use of biotechnologies in red clover breeding, 45.000 RON	Manager	2004-2005
CNCSIS AT The breeding of the <i>Valeriana officinalis</i> L species, 15.000 RON	Manager	2002-2003

b) Management positions

Institution	Funcția	Period
USAMV Cluj-Napoca, Faculty of Agriculture	Social and student vicedean	2012-2016
USAMV Cluj-Napoca	Social and student vicerector	2016- 2023

c) Management responsibilities and activities at both faculty and university levels:

- Coordination of scholarship, camp and accommodation activities for USAMVCN students;
- Coordination of student practice in USAMV Cluj-Napoca;

- Coordination of Career Counselling and Orientation;
- Coordination of the Agronomia Sports Club;
- Coordination of Councils for Restaurants and Student Dormitories;
- Coordination of USAMVCN participation in the professional and sports competition „Agronomiada”

15. Professional recognition (nationwide):

a) Member in professional associations and organizations

- Eucarpia;
- Association of Breeders, Producers and Traders of Seeds and Planting Material from Romania;
- Society for Ecological Agriculture;
- Bioterra;

b) Member in the editorial board of publications:

- Notulae Botanicae;
- Nitrogen MDPI;
- Agronomy - special issue Identification and Breeding of High-Quality, Disease-Resistance and High-Producing Varieties;
- Phyton-International Journal of Experimental Botany - special issue Genetic Resources and Breeding Strategies for Sustainable Crop Yield Enhancement
- Hop and medicinal plants;
- Bulletin UASVM Cluj-Napoca;
- Annals of the University in Oradea, Environmental Protection;

16. Visibility by means of scientific publications:

a) Textbooks, treaties, specialized books (n.): 16

The most representative:

- **Muntean L.**, I.V. Berindean, I. Racz, A. Ona, 2025, Challenges in Wheat Breeding in the Twenty-First Century, IntechOpen, London, UK, 978-0-85014-783-4;
- **Muntean L.**, A. Ona, Ameliorarea plantelor – partea speciala, 2019, Ed. AcademicPres, 244 pages., e ISBN: 978-973-744-741-8;
- **Muntean L.**, Ameliorarea trifoiului rosu, 2019, Ed. AcademicPres, 214 pages, e-ISBN 978-973-744-748-7;
- **Muntean L.**, Cultura si ameliorarea graului, 2019, Ed. AcademicPres, pag. 201, e-ISBN 978-973-744-744-9;
- Muntean, L. S., M. Tămaș, S. Muntean, **L. Muntean**, M.M. Duda, D.I. Vârban, S. Florian, 2016, Tratat de plante medicinale și aromatice, Secon Edition , Ed. Risoprint, ISBN: 978-973-751-463-9, p. 1068;
- **Muntean, L.**, 2012, Ameliorarea plantelor – partea generala, Ed. Risoprint, ISBN:978-973-53-0901-5, 252 pages;
- Muntean, L. S., M. Tămaș, S. Muntean, **L. Muntean**, M.M. Duda, D.I.Vârban, S. Florian, 2007, Tratat de plante medicinale și aromatice, Ed. Risoprint, ISBN: 978-973-751-463-9, 928 pages;

b) Articles published in ISI publications– 22 papers

- the most representative:

- Vasilescu, L.; Petcu, E.-I.; Vasilescu, V.S.; Sîrbu, A.; **Muntean, L.**; Ona, A.D., 2026, Phenotypic and Agronomic Evaluation of a Winter Barley Genotype Panel for Breeding Programs. *Agronomy* 16, 667 (IF=). <https://doi.org/10.3390/agronomy16060667>;
- Loredana Ceclan, Voichița Haș, Carmen Vana, Andrei Varga, Roxana Călugăr, Nicolae Tritean, Alina Șimon, Florin Russu, **Leon Muntean**, 2025, The grain yield ability of early maize hybrids under combined high densities and water stress environments, *Journal of Central European Agriculture* 26, no. 1 (2025): 84-97 (IF=0.7);
- Popa, C., Călugăr, R. E., Varga, A., Muntean, E., Băcilă, I., Vana, C. D., Racz, I., Tritean, N.,

Berindean, I. V., Ona, A. D., & **Muntean, L.**, 2025, Evaluating Maize Hybrids for Yield, Stress Tolerance, and Carotenoid Content: Insights into Breeding for Climate Resilience. *Plants*, 14(1), 138, (IF=4), <https://doi.org/10.3390/plants14010138>, WOS:001393435500001;

- Ceclan A.L., Calugar R.E., Varga A., Vana C.D., Urda C., Has V.V., **Muntean L.** 2024, The Yield And Grains Quality Of Some Maize Hybrids Created At Ards Turda. *Scientific Papers. Series A. Agronomy*, Vol. LXVII, Issue 1, ISSN 2285-5785, 134-141., WOS:001369756100017;
- Călugăr, R.E., A Varga, C. D. Vana, L. A. Ceclan, I. Racz, F. Chețan, A Șimon, C Popa, N Tritean, F Russu, A. Ghete, **L. Muntean** et al. 2024. "Influence of Changing Weather on Old and New Maize Hybrids: A Case Study in Romania" *Plants* 13, no. 23: 3322. (IF = 4) <https://doi.org/10.3390/plants13233322>, WOS:001376151300001;

c) Articles published in ISI- indexed publications– 12 papers

- the most representative:

- Porumb I., F. Rusu, A. Boantă, E. Filip, N. Tritean, C. Stoica-Moise, **L. MUNTEAN**, 2019, Choosing, the Genitors – an Important Measure in Making the Breeding Works Better at the Spring Barley, *Scientific Papers – Series Management Economic Engineering in Agriculture and Rural Development*, 19(1), 471-476, WOS:000466139000058;
- **MUNTEAN L.**, M. Savatti, 2003, Phenotypical correlations between productivity and quality elements of diploid red clover (*T. pratense* L.), *USAMV Bulletin Cluj-Napoca*, 58, 239, WOS:000229586700054;

d) Articles published in BDI-indexed publications – 69 papers

- the most representative:

- **Muntean, L.**, Ona, A. D., Berindean, I. V., Racz, I., Costin, A. D., Popa, M. C. And Borcă, M. A. (2025) “Multifunctional roles and emerging applications of medicinal Lamiaceae plants: a scoping review”, *Hop and Medicinal Plants*, 33(1-2), pp. 131-168. doi: 10.15835/hpm.v33i1-2.15273;
- Borcă, M. A., Ona, A. D., Berindean, I. V. and **Muntean, L.** (2025) “The therapeutic potential of the genus *Dahlia* – a scientific perspective for future research”, *Hop and Medicinal Plants*, 33(1-2), pp. 14-19. doi: 10.15835/hpm.v33i1-2.15270;
- Popa, M., Ona, A. D., Costin, A. and **Muntean, L.** (2025) “Red Clover (*Trifolium pratense* L.) Honey: Phytochemical Profile, Isoflavone Content, and Therapeutic Potential”, *Hop and Medicinal Plants*, 33(1-2), pp. 82-88. doi: 10.15835/hpm.v33i1-2.15278.
- Crisan, I., Russu, F., Boanta, E.-A., Ona, A. D. and **Muntean, L.**, 2024, “The Suitability of New Spring Barley Varieties (Ioana and Dumbrăvița) in the Beer Industry”, *Hop and Medicinal Plants*, 32(1-2), pp. 13-21. doi: 10.15835/hpm.v32i1-2.15016;
- Costin, A. D., Ona, A. D., Boanta, A. E., Berindean, I., Racz, I., Popa, M., Donogan, C. and **Muntean, L.**, 2024, “Public Perception of Red Clover’s Uses in Phytomedicine and Phytopharmacy”, *Hop and Medicinal Plants*, 32(1-2), pp. 243-252. doi: 10.15835/hpm.v32i1-2.15029;

17. Activities of innovation/technological transfer (patents, inventions, innovations, etc.):

- **Patent for plant variety n. 00161** for the hop variety „SUPERALFA”, issued by the State Office for Inventions and Trademarks 30.12.2008, authors: Leon Sorin Muntean, Solovăstru Cernea, Alexandru Salontai, Gavrilă Morar, Dan I. Vârban, Leon Muntean, Marcel Duda, Sorin Muntean, Rodica Vârban, Maria Tofană;
- **Patent for plant variety n. 00160** for the *Echinacea pallida* Nutt. variety named „Napoca”, issued by the State Office for Inventions and Trademarks 30.12.2008, authors: Leon Sorin Muntean, Solovăstru Cernea, Alexandru Salontai, Gavrilă Morar, Dan I. Vârban, Leon Muntean, Marcel Duda, Sorin Muntean, Rodica Vârban, Maria Tofană;
- **Patent for plant variety n. 00253** for the *Echinacea purpurea* L. Variety named „Cluj”, issued by the State Office for Inventions and Trademarks 30.05.2011, authors: Leon Sorin Muntean, Tamas Mircea, Dan I. Vârban, Leon Muntean, Sorin Muntean, Solovăstru Cernea, Gavrilă Morar, Marcel Duda, Rodica Vârban, Oniga Iliora;

18. Other specifications (scientific, professional and management recognition)

a) Awards, diplomas, medals, distinctions, diplomas in exhibitions etc.

- ASAS Award- „NICOLAE SĂULESCU”, 2008, for the book *Tratat de plante medicinale cultivate și spontane*, Muntean Leon S., Mircea Tămaș, Sorin Muntean, Leon Muntean, Marcel M. Duda, Dan I. Vârban, Simion Florian, 2007, Ed. Risoprint Cluj-Napoca, ISBN 978-973-751-463-9, 928 p;
- AOSR Award - „CAROL DAVILA”, 2010, for the book *Tratat de plante medicinale cultivate și spontane*, Muntean Leon S., Mircea Tămaș, Sorin Muntean, Leon Muntean, Marcel M. Duda, Dan I. Vârban, Simion Florian, 2007, Ed. Risoprint Cluj-Napoca, ISBN 978-973-751-463-9, 928 p;
- ASAS Award- „NICOLAE SĂULESCU”, 2015, for the book „Monografia trifoiului rosu (*Trifolium pratense* L.), Mircea Savatti, Ioan Rotar, Leon Muntean, Marioara Grebenișan, Simona Vicaș, 2014, Editura AcademicPres Cj-N, ISBN 978-973-744-374-8;
- Excellence diploma and gold medal for the ARDEAL hop variety (*Humulus lupulus* L.), 2013, International Inventics Salon PRO INVENT, 11th Editon, Cj-N;
- Excellence diploma and gold medal for the CLUJ purple echinacea variety (*Echinacea purpurea* L.), 2013, International Inventics Salon PRO INVENT, 11th Editon, Cj-N;
- Excellence diploma and gold medal for the NAPOCA echinacea variety(*Echinacea pallida* Nutt.), 2013, International Inventics Salon PRO INVENT, 11th Editon, Cj-N;

Cluj-Napoca

Professor Dr. Leon MUNTEAN

27.04.2026