

Curriculum vitae



Personal information

First name(s) / Surname(s) **Matei Marcel DUDA**
E-mail marcel.duda@usamvcluj.ro
Citizenship Romanian

Domains of activity

Teaching degree/ Scientific title University Professor
PhD

Department / Key Words Crop science / field crop, medicinal plants, sustainable agricultural systems, applied plant sciences, organic agriculture, seed science, growing hops

Domains of competence Crop science, medicinal plants, sustainable and organic agriculture, seed science, applied plant sciences, methods of scientific working for crop sciences, conditioning and storage of agricultural products

Domains of interest Applied crop plant sciences
Cultivation and use of medicinal plants
Growing hops
Conditioning and storage of agricultural products
Organic and sustainable agriculture systems.
Integrated control of weeds and crop rotation.

Teaching activity 2011-present: Course – **Plant growing** - III Agriculture
2010-present: Course and Practice Laboratories – **Conversion units organic production and certification of organic products** - Master
2010-present: Course and Practice Laboratories – **Sustainable farming systems** - Master
2007- present: Course and Practice Laboratories – **Sustainable Development** – Master
2005-2008: Course and Practice Laboratories – **Agricultural Food** - II IMAPA
2002-2008: Course and Practice Laboratories – **Medicinal crop** – III Biology and V IMAPA
2002-2008: Course and Practice Laboratories – **Field Crops** - II IEA
2001-2009: Course and Practice Laboratories – **Quality control and movement of seeds and planting material** – Master
2001-2007: Course and Practice Laboratories – **Control and certification of seed crops** - Master
2000-present: Course and Practice Laboratories - **Conditioning and storage of agricultural products** – III Agriculture and Mountain agriculture
1998-2001: Course and Practice Laboratories – **Tropical plant growing** – IV Agriculture
1992-1998: Practice laboratories – **Crop science** - III Agriculture.
PhD supervisor, since 2009. A coordinated and completed doctoral work in 2012. Coordinate seven PhD students.
Scientific coordinator for 33 graduation thesis and 5 dissertation thesis.
Coordinating students agronomists 3 generations (2002, 2007 and 2011).

Education and training

Education PhD. DEGREE IN AGRICULTURAL SCIENCES, 1998, University of Agricultural Sciences and Veterinary Medicine Cluj - Napoca
AGRONOMIST ENGINEER DIPLOMA, 1886, University of Agricultural Sciences and Veterinary Medicine Cluj - Napoca
HIGH SCHOOL DEGREE, 1981, Agroindustrial High School Dumbrăveni, Sibiu county

Specializations and qualifications **Speciality courses:**
- **Course: Management of European Projects Course** – UASMV Cluj-N., RO;
- **Training for qualification - Expert certification as the external evaluator for programs of study ARACIS ID and FR** – Uni Braşov, RO.
Research stages in country/abroad: France, Strasbourg: 25.7-28.7.1995; Germany, Hohenheim Uni: 23.6.-4.7.1997; Holland, Wageningen: 29.10–5.11.2006; Serbien, Novi Sad Uni: 19-22.04.2007; Germany, Kassel Uni: 3-6.09.2007; Greece, Athens: 3-8.08.2008; Republic of Moldova, Chisinau: 9-10.10.2008.

Work experience

Dates / Occupation or position held/ Name of employer
oct.2008- present, professor, Crop Science Dept., USAMV Cluj-Napoca
oct.2003-oct. 2008, conferentiar, Crop Science Dept., USAMV Cluj-Napoca
oct.1998-oct.2003, lecturer, Crop Science Dept., USAMV Cluj-Napoca
febr.1992-oct.1998, assistant professor, Crop Science Dept., USAMV Cluj-Napoca
sept.1986-febr.1992, agronomist engineer, Chief agricultural farm, CAP Ruşăşeşti, Cluj county

Professional affiliations 2009-present, member, Working Committee Cluj "Field crop" of the Academy of Agricultural Sciences of Romania.
2007-present, member, International Soil Tillage Research Organization (ISTRO), <http://www.istro.org>
2007-present, member, Society for Medicinal Plant Research (GA), <http://www.ga-online.org>
2006-present, member, Romanian Society of Ethnopharmacology, Brasov, Romania.
2004-present, member, Organic Farmers Society in Romania "Bioterra", <http://www.bioterra.org.ro>
2002-2011, member, European Weed Research Society (EWRS) <http://www.ewrs.org>
1992 – present, secretary, Hop Growers Association in Romania.

Coordinated research contracts **Director project (2013) no. 167CI, PN-II-IN-CI-2012-1-0337, UEFISCDI:** „Improvement of technologies for cultivation in climatic conditions in Romania with the aim of herbal species: *Baptisia tinctoria*, *Chionanthus virginicus*, *Equisetum arvense* și *Ranunculus bulbosus*, RoBaptChioEquiRan”.
Director project (2012) no. 48CI, PN-II-IN-CI-2012-1-0089, UEFISCDI: „Research on increasing adaptability and performance of Magnum, Merkur and Perle hops varieties in the climatic conditions of Sighisoara”, ADAPHAMSIG.
Manager project (2007-2010) no. 51-061, PNCDI II, MECI – CNMP: „Biological diversity and ecological study of perennial plant species and their uses multiple reconsideration (culinary, medicinal, decorative, etc.), The socio-economic context of sustainable development and alignment with EU trends” (BIOOPERUTILE).
Director project (2006) no. 104: „Advice for rejuvenation and growth performance of hops from Ocna Sibiului”. Partner: SC Comcereal SA Sibiu.
Director project (2006-2008) no. 104, CEEEX, MEC-CNMP: „Sustainable use of medicinal plants and hops to obtain bioactive preparations” (VaDuPlaMed), <http://www.usamvcluj.ro/vaduplamed/index.htm>
GRANT director (2004): „Research on improving technology Burley type tobacco culture in conditions of Cluj-Napoca, to make current production standards”. Partner: SC DIMON International Tabak S.R.L. România.
GRANT director (2002-2004): „Contributions to revive hop culture in Romania”. Partner: MEN-CNCSIS, theme nr. 17, cod CNCSIS 552, commission 5.
GRANT director (2000-2001): „Research on technology for growing hops on ecological principles”, CNCSIS tip AT Grant. Partner: MEN-CNCSIS, theme nr. 9, cod CNCSIS 3, commission 5.
Collaborator in 15 research projects.

Doctoral supervisor experience I have supervised/supervised 35 doctoral students, of whom 23 defended their doctoral thesis.

Publications - first author or co-author of over 300 scientific articles (of which 29 ISI indexed), 5 internal manuals and 14 books with ISBN.

- Innovation activity
- 2013, co-author (PhD Olar Mihai team leader) at variety „Napoca 2” of tall fescue (*Festuca arundinacea* Schreber), Plant variety patent no. 331/10.11.2013.
 - 2008, co-author (Prof.PhD L.S. Muntean, team leader) at first romanian variety of *Echinacea pallida* Nutt., „Napoca”, Plant variety patent no. 160/30.12.2008;
 - 2008, co-author (Prof.PhD L.S. Muntean, team leader) at hop variety „Superalfa”, Plant variety patent no. 161/30.12.2008;
 - 2012, co-author (Prof.PhD. L.S. Muntean, team leader) at first romanian variety of *Echinacea purpurea* L. (Moench.), „Cluj”, Plant variety patent no. 253/9.03.2012.

Significant published articles

5 books

1. MUNTEAN LEON S., MIRCEA TĂMAȘ, SORIN MUNTEAN, LEON MUNTEAN, MARCEL M. DUDA, DAN I. VÂRBAN, SIMION FLORIAN, 2016. **Tratat de plante medicinale cultivate și spontane**, ediția a II-a. Ed. Risoprint Cluj-Napoca, p. 1043, ISBN 978-973-53-1873-4.
2. ROMAN GH. VALENTIN, MARCEL M. DUDA, FLORIN IMBREA, GHEORGHE MATEI, ADRIAN VASILE TIMAR, 2012. **Conditioning and storage of agricultural products**. Ed. Universitară, București, ISBN 978-606-591-488-9, 276 p.
3. DUDA MARCEL, AVRAM FIȚIU, ȘANDOR MIGNON, 2008. **Field crops in organic farming**. Ed. AcademicPress, ISBN 978-973-744-139-3.
4. DUDA M. MARCEL, ADRIAN TIMAR, 2007. **Conditioning and storage of agricultural products**. Ed. AcademicPres, 215 p., ISBN 978-973-744-073-0.
5. DUDA, M. MARCEL, DAN I. VÂRBAN, SORIN MUNTEAN, 2003, **Plant growing - Guide to practical**. Partea I. Ed. AcademicPres, 236 p., ISBN 973-7950-02-X.
6. DUDA, M. MARCEL, 2003. **Tropical and subtropical plant growing**. Ed. AcademicPres, 257 p., ISBN 973-8266-90-4.

Significant published articles

1. Simea Ș., I. Ielciu, D. Hanganu, M. Niculae, E. Pall, R.F. Burtescu, N.K. Olah, M. Cenariu, I. Oniga, D. Benedec and M. Duda, 2023. Evaluation of the Cytotoxic, Antioxidative and Antimicrobial Effects of *Dracocephalum moldavica* L. Cultivars. *Molecules*, 28, 1604, 1-19. WOS:000940969800001.
2. Goncariuc Maria, Mircea Valentin Muntean, Violeta Butnaraș, Marcel Matei Duda, Anna Benea, Tamara Jelezneac, Zinaida Vornicu, Ludmila Cotelea and Pantelimon Botnarenco, 2021. Quality Variation of the Moldovan *Origanum vulgare* L. ssp. *vulgare* L. and *Origanum vulgare* L. ssp. *hirtum* (Link) letsw. Varieties in Drought Conditions. *Agriculture-Basel*, 11(12), 1211; WOS: 000735727200001.
3. Duda M., N. Tritean, I. Racz, R. Kadar, F. Russu, A. Fițiu, E. Muntean and A. Vâtcă, 2021. Yield Performance of Spring Oats Varieties as a Response to Fertilization and Sowing Distance. *Agronomy* 2021, 11, 815. WOS 000653310700001, FI 2.603.
4. Oniga I., A. Toiu, D. Hanganu, L. Vlase, M. Duda, D. Benedec, 2018. Influence of fertilizer treatment on the chemical composition of some *Calendula officinalis* varieties cultivated in Romania. *Farmacia*, Vol. 66, 6, ISSN 0014-8237, IF 1,507/2017 p. 995-998. WOS:000454158800012
5. Duda M.M., S. Cernea, D.I. Vârban, M. Goncariuc, L. Muntean, S. Muntean, C. Moldovan, M. Olar, Al. Ghețe, 2015. Adaptation measures for the technology on growing hops in the context of global warming. **Hop and Medicinal Plants**, Year XXIII, No. 1-2, ISSN 2360-0179 print, ISSN 2360-0187 electronic, p. 54-58.
6. Duda S.C., L.A. Mărghitaș, D. Dezmirean, M. Duda, R. Mărgăoan, O. Bobiș, 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**. Volume 77, 23 December 2015, Pages 499–507. IF 2014: 2,837. WOS:000366065200059
7. Duda M.M., H. Bunescu, A. Fitiu, Simona Vaida, 2010. Research on the cultivation of 8 marigold varieties (*Calendula officinalis* L.) in various conditions of fertilization in the Jucu, Cj. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Agriculture, Vol. 67(1), ISSN 1843-5246, p. 101-106.
8. Duda M.M., Marcela Fălticeanu, Simona Vaida, B. Duda, 2010. Results regarding seed morphology of some Medicinal plant varieties. *Pharmacognosy Magazine* (Publication of Pharmacognosy Network Worldwide). Medknow Publications. April-June 2010, Vol. 6, Issue 22 (Suppl.), ISSN 0973-1296, p. S41;

9. Duda M.M., D.I. Vârban, S. Muntean, Delia Banga, 2008. A review regarding yielding capacity and qualitative parameters of marigold (*Calendula officinalis* L.) cultivars in a collection field, Cluj Napoca, Romania. 5th Conference on Medicinal and Aromatic Plants of Southeast European Countries, Book of Abstracts, Mendel University of Agriculture and Forestry Brno, Cehia, 2-5.09.2008, ISBN 978-80-375-205-7, p. 94.
10. Duda M.M., D.I. Vârban, S. Muntean, Delia Banga, 2008. Evaluation of several cultivars (*Tagetes* sp.) as a proper source for bioactive products. *Planta Medica - An International Journal of Natural Products and Medicinal Plant Research*, Nr. 9, Vol. 74, July 2008, ISSN 0032-0943, p.1133.

Personal skills and competences

Mother tongue(s)	Romanian			
Other language(s)	Self-assessment	Understanding	Speaking	Writing
Language	German	Medium	Medium	Medium
Language	English	Basic	Basic	Basic
	French	Basic	Basic	Basic

Additional information

Expert assessor, Since 2008, at Romanian Council for Research - Ministry of Education and Research of Romania – MEC, CNCSIS, CEEX, PN II.

Co-author of five patents for new varieties, issued by OSIM, RO: variety of hops „Ardeal”, Patent no. 161/2008; variety of echinacea (*Echinacea pallida* Nutt.) „Napoca”, Patent no. 160/2008; variety of echinacea (*Echinacea purpurea* L.) „Cluj”, Patent no. 253/2012 and two varieties of tall fescue (*Festuca arundinacea* Schreber) – “Napoca 2”, Patent no. 331/2013 and „Vlarom”, Patent no. 449/2016.

Since 2005, Editor of the journal „Hop and Medicinal Plants”, ISSN 1454-7805.

Driving license: AM, A1, A2, A, B1, B, C1, C, D1, D, BE, C1E, CE, D1E, DE, Tr, Tb.

Web of Science ResearcherID: Z-2563-2019. Hirsch Index (Web of Science): 8.

ORCID: 0000-0001-7932-9033. h-index (Google Scholar): 18. i10-index: 33. Hirsch Index (SCOPUS): 8.

Brainmap UEFISCDI ID (UEF-ID): U-1700-028R-7673.

<https://scholar.google.com/citations?user=4-0BShcAAAAJ&hl=en&oi=ao>

Cluj-Napoca, 9.03.2026

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UASMV Cluj-Napoca, Romania