



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Rodica Maria Sima**
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E-mail **rodica.sima@usamvcluj.ro**
Nationality **Romanian**
Gender **Female**

Desired employment / Occupational field

Work experience

University of Agricultural Sciences and Veterinary Medicine (UASVM), Cluj-Napoca
Vegetables growing in field and controlled climate
Management of culture technology of horticultural plants in controlled climate
Soilless culture of vegetables
Ornamental vegetables gardening

Dates **October 2017 - onwards**
Occupation or position held **Professor**
Main activities and responsibilities **Teaching seminars and lectures; research**
Name and address of employer **University of Agricultural Sciences and Veterinary Medicine (UASVM) Cluj-Napoca, Faculty of Horticulture**
Type of business or sector **Higher Education**

Dates **October 2009 – October 2017**
Occupation or position held **Associate Professor**
Main activities and responsibilities **Teaching seminars and lectures; research**
Name and address of employer **University of Agricultural Sciences and Veterinary Medicine (UASVM) Cluj-Napoca, Faculty of Horticulture**
Type of business or sector **Higher Education**

Dates **October 2004 – October 2009**
Occupation or position held **Lecturer**
Main activities and responsibilities **Teaching seminars and lectures; research**
Name and address of employer **Faculty of Horticulture, UASVM Cluj-Napoca**
Type of business or sector **Higher Education**

Dates **October 2000 – October 2004**
Occupation or position held **Assistant**
Main activities and responsibilities **Teaching seminars; research**
Name and address of employer **Faculty of Horticulture, UASVM Cluj-Napoca**
Type of business or sector **Higher Education**

Dates **February 1998 – October 2000**
Occupation or position held **teaching assistant**
Main activities and responsibilities **Teaching seminars; research**
Name and address of employer **Faculty of Horticulture, UASVM Cluj-Napoca**
Type of business or sector **Higher Education**

Education and training

Dates	2017
Title of qualification awarded	Habilitation certificate
Principal subjects/occupational skills covered	Horticulture
Name and type of organisation providing education and training	University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca
Level in national or international classification	ISCED 8
Dates	2011-2013
Title of qualification awarded	Master Degree
Principal subjects/occupational skills covered	Design, Management and Maintenance of Green Spaces
Name and type of organisation providing education and training	University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca
Level in national or international classification	ISCED 7
Dates	1996-2003
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Thesis Title: "Research concerning the improvement of greenhouse tomatoes technology of culture on different substrates (soilless culture)"
Name and type of organisation providing education and training	University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca
Level in national or international classification	ISCED 8
Dates	1995-1996
Title of qualification awarded	Diploma of Thoroughgoing Study
Principal subjects/occupational skills covered	Area of specialization: Horticultural plants culture in controlled environment
Name and type of organisation providing education and training	University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca
Dates	1990-1995
Title of qualification awarded	Bachelor of Science in Horticulture
Principal subjects/occupational skills covered	Horticulture
Name and type of organisation providing education and training	University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Faculty of Agriculture
Level in national or international classification	ISCED 6
Dates	1984-1988
Title of qualification awarded	HIGH SCHOOL GRADUATION DIPLOMA
Principal subjects/occupational skills covered	Nursing
Name and type of organisation providing education and training	Sanitary High School Sibiu
Level in national or international classification	ISCED 5

Personal skills and competences

Mother tongue(s) Romanian

Other language(s) English, French

Self-assessment

Understanding	Speaking	Writing
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European level (*)	Listening	Reading	Spoken interaction	Spoken production	
English	B2 Independent user	C1 Proficient user	B2 Independent user	B2 Independent user	C1 Proficient user
French	B1 Independent user	B1 Independent user	B1 Independent user	B1 Independent user	B1 Independent user

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

Social skills and competences	Team work spirit as member of different research teams. Good communication skills in multicultural and multilingual environment proved in: teaching and practical works with students; perfecting probations abroad in interdisciplinary collectives; as speaker or moderator in national and international symposiums and workshops; in the activity of trainer in OOPH1652-2000-EU PHARE Project „Economical and as social cohesion” for the development of disadvantaged areas from the N-V of Romania and as B type expert in POSDRU Project ID 53513 „An incorporated intervention in the view of consolidation of social entrepreneurship of vulnerable women”, financed by European Social Found.
Organisational skills and competences	Project management ability – between 2004-2005 I have managed as director one CNCISIS (National Council for Scientific Research in Higher Education) research project, AT type, “The influence of culture system on alimentary quality of vegetables obtained from protected spaces cultures”.
Technical skills and competences	Vegetables growing in field and controlled climate; Management of horticultural crops in field and controlled climate; A Study of culture substrate used for vegetable crops; Alimentary quality of vegetables; Ornamental vegetables gardening; Edible landscaping; Abilities in using of research equipments for laboratory and field acquired in 20 years of teaching and research activity.
Computer skills and competences	Competent with most Microsoft Office programmes and some experience with HTML. Data statistical processing (ANOVA, Duncan test).
Driving licence	Holder of drivers’ license – Category B vehicle.
Additional information	<p>Special award accorded by Romanian Society of Horticulturalists for the book Vegetable’s culture, 2008; Teodor Bordeianu award of Romanian Academy for Agronomical and Forest Studies for Vegetable’s culture, 2008;</p> <p>165 scientific papers published in national and international journals: 28 articles in ISI indexed journals; 73 articles in international database indexed journals.</p> <p>Director of 2 research projects. Participation as member of the research team in 12 national projects.</p> <p>Member of International Societies: Balkan Environmental Association (BENA), International Society for Horticultural Sciences (ISHS), International Society of Organic Agriculture Research (ISOFAR).</p> <p>Member of National Societies: Transylvanian Society of Horticulture and Forestry (SHST), Romania’s Association of Bio-agricultural Farmers (Biotera), Roses’ Friends Association, Romanian Society of Horticulturalists (SRH).</p> <p>EDITORIAL BOARD MEMBER and SCIENTIFIC REVIEWER:</p> <p>International database indexed journals: Editorial board – Advances in Agriculture & Botany Journal (AAB); Editorial board - Reviewer Animal Biology & Animal Husbandry (ABAH); Editorial Board – World Journal of Agricultural Research (WJAR); Editorial Board – Research in Plant Sciences; Editorial Board – Applied Ecology and Environmental Sciences; Editorial Board – Advances in Environmental Sciences (AES); Scientific reviewer of Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Horticulture; Scientific Reviewer – World Journal of Agricultural Research (WJAR); Scientific Reviewer, Notulae Scientia Biologicae; Scientific Reviewer, American Journal of Environmental Protection;</p> <p>ISI indexed journals: Scientific Reviewer Scientia Horticulturae; Scientific Reviewer Notulae Botanicae Horti Agrobotanici Cluj-Napoca.</p>
Annexes	<p>Annexe 1. Selective list of publications</p> <p>Annexe 2. List of Research projects (as director or member of research team)</p>

Annex 1 – Selective list of publications

Books, chapters in books:

a). single author:

- 1) **Sima Rodica, 2009**, Vegetables gardening as food source and ornamental potential. Ed. AcademicPres, Cluj-Napoca, 314 pp., ISBN – 978-973-744-153-9. [In Romanian].

b). first author:

- 1) **Sima Rodica**, Dănuț Măniuțiu, 2006, Practical works in vegetables growing, Ed. Accent, Cluj-Napoca, 168 pp., ISBN (10) 973-8915-15-5 ISBN (13) 978-973-8915-15-2. [In Romanian].

c).co-author:

- 1) **Indrea Dumitru**, Silviu Al. Apahidean, Maria Apahidean, Dănuț N. Măniuțiu, **Rodica Sima**, 2009, Vegetables growing, Reviewed Third edition, Editura Ceres, București, România, 628 pp., ISBN 978-973-40-0961-9. [In Romanian].
- 2) Coordinator Conf. univ. dr. Aurel Maxim, Sef lucr. dr. Mignon SANDOR, dr. biol. Silvia STRAJERU, dr. ing. Mihai JIDAVU, Conf. univ. dr. **Rodica SIMA**, Conf. univ. dr. Marcel PARVU, dr. biol. Marilena SUTEU, Sef. lucr. dr. Lucia MIHAILESCU, Ing. Ruxandra PAPP, ING. Ovidiu MAXIM, Ing. Veronica BOLBOACA, Adriana OPINCARIU, Ing. Alin LUCACI, Mihai MAXIM, Paul Emil Berciu, Ing. Alin HAPCA, 2010, Agrobiodiversity and Agrobiodiversity Conservation, Ed. Risoprint, Cluj-Napoca.
- 3) **Indrea Dumitru**, Silviu Al. Apahidean, Maria Apahidean, Dănuț N. Măniuțiu, **Rodica Sima**, 2009, Vegetables growing, Reviewed Second edition, Editura Ceres, București, România, ISBN 978-973-40-0822-3. [In Romanian].
- 4) **Indrea D.**, Al. S. Apahidean, Maria Apahidean, D. Măniuțiu, **Rodica Sima**, 2007, Vegetables growing, Ed. Ceres, București, 606 pag., ISBN – 978- 973-40-0777-6. [In Romanian].
- 5) **Apahidean Al. S.**, Maria Apahidean, D. Măniuțiu, **Rodica Ganea (Sima)**, 1999, Practical works in vegetable growing, Tipografia Agronomia, Cluj-Napoca. [In Romanian].

Scientific papers: 165 scientific papers among which 40 as unique/first author/corresponding author

1. **Andreea Stănilă**, Bogdan Cioanca, Zorița Diaconeasa, Sorin Stănilă, Nicușor Sima, **Rodica Maria Sima***, 2019, Phytochemical Composition and Antioxidant Activity of Various Grain Amaranth Cultivars. Not Bot Horti Agrobo, 47(4):1153-1160. DOI:10.15835/nbha47411714.
2. **Andreea Stănilă**, Zorița Diaconeasa, **Rodica Sima***, Sorin Stănilă, Nicușor Sima, 2018, Effects of Extraction Solvents on the Quantification of Free Amino Acids in Lyophilised Brewer's Yeast. Bulletin UASVM Food Science and Technology 75(1):53-60. DOI: 10.15835/buasvmcn-fst: 2017.0037.
3. **Sándor RÓZSA**, Tincuța-Marta GOCAN, Vasile LAZĂR, Ileana ANDREICA, Melinda RÓZSA, Dănuț-Nicolae MĂNIUȚIU*, **Rodica SIMA**, 2017, The Effect of Processing on Chemical Constituents of Agaricus spp. Mushrooms. Not Bot Horti Agrobo, 2017, 45(2):507-516. IF: 0,648.
4. R. M. Petrescu-Mag, D. C. Petrescu*, N.-F. Sima, **R. Sima**, 2016, Informed Product Choice in the Organic Food Sector: From Guaranteeing the Legal Rights to Facing Sustainability Challenges, Journal of Environmental Protection and Ecology 17(3):1111-1121. IF 0.734
5. Madalina Tudor-Radu, Loredana Elena Vijan*, Cristinel Mihai Tudor-Radu, Ion Tița, **Rodica Sima***, Rodi Mitrea, 2016, Assessment of Ascorbic Acid, Polyphenols, Flavonoids, Anthocyanins and Carotenoids Content in Tomato Fruits, Not Bot Horti Agrobo, 44(2):477-483. IF 0.451
6. **Gabriela Neața**, Gheorghita Hoza, Razvan Ionut, Teodorescu, Adrian Basaraba, Andrei Petcuci, **Rodica Sima***, 2016, Phosphorus, Potassium and Nitrate Contents in Fruit of Pickling Cucumbers Grown in a High Tunnel, Not Bot Horti Agrobo, 44(2):541-547. IF 0.451
7. **Andreea Stanila**, Zorița Diaconeasa, Romania, **Rodica Sima***, Sorin Stănilă, Dănuț Nicolae Măniuțiu, 2015, Characterization of Phenolic Compounds from Rose Hip (Rosa canina L.) Using Liquid Chromatography Coupled with Electrospray Ionization - Mass Spectrometry, Not Bot Horti Agrobo 43(2):349-354. IF 0.547
8. **Veronica Maxim**, Dănuț Nicolae Măniuțiu*, **Rodica Sima**, Aurel Maxim, Ioan Ovidiu Maxim, 2015, Research Regarding the Behavior of Some Tomato Landraces to Cultivation under Tunnel Conditions, Bulletin UASVM Horticulture 72(2):381-387.
9. **Rodica Sima**, Dănuț Măniuțiu, Alexandru Silviu Apahidean, Maria Apahidean, Vasile Lazăr And Nicușor Sima*, 2014, The Influence of Technological Inputs on Yield and Quality Traits of Greenhouse Cabbage, Bulletin UASVM Horticulture, 71(2):308-312.
10. **Sima Rodica**, D. Măniuțiu, Al. S. Apahidean, Maria Apahidean, V. Lazăr, N. Sima, Diana Ficior, 2011, The Evaluation of Yield Potential and Quality of Fruits at Tomato Hybrids Cultivated in Greenhouse, , Bull. of UASVM Cluj-Napoca, ISSN 1843-5254, p. 273-278;
11. **Sima Rodica**, N. Sima, D. Măniuțiu, V. Lazăr, Diana Ficior, 2011, The Impact of Temperature and Humidity on Germination Energy and Length of Embryonic Roots at Sweet Corn, Bull. of UASVM Cluj-Napoca, ISSN 1843-5254, p. 540.
12. **Sima Rodica**, D. Măniuțiu, S. Apahidean, Maria Apahidean, N. Sima, 2011, Research on Greenhouse Tomatoes Cultivate don Peat Based Substrates in Romania, Proceedings of the International Conference „Environmental Capacity Building”, 11-13 November Bucharest, Romania.
13. **Rodica Sima**, Ioana Micu, Danut Maniutiu, Nicusor Sima, Vasile Lazar, 2010, Edible Landscaping – Integration of Vegetable Garden in the Landscape of a Private Property, Bulletin UASVM Horticulture, 67(1): 278-283.

Participation in International Symposium:

1. **Sima Rodica**, Al. S. Apahidean, Maria Apahidean, Dănuț Măniuțiu, Diana Cenariu, Laura Paulette, 2008, Management of technological inputs at greenhouse tomatoes culture in order to improve yield and to obtain safe fruit. Book of abstracts of the 3rd International Symposium „Safe food, Plant production, animal production, management”, 18-20 September in Bydgoszcz, Poland, p. 170, ISBN 978-83-61314-24-0.

2. **Sima Rodica**, Al. S. Apahidean, Maria Apahidean, D. Măniuțiu, Laura Paulette, **2008**, Yield, physical and chemical characteristics of greenhouse tomato grown on soil and organic substratum. Proceedings of 43rd Croatian and 3rd International Symposium on Agriculture, 18-26 February, Opatija, Croatia, p. 439-443, ISBN 978-953-6135-67-7.
3. **Sima Rodica**, Al. S. Apahidean, Maria Apahidean, D. Măniuțiu, Erzsebeth Csok, **2007**, The influence of fertilization and system of culture on greenhouse tomatoes quality. Proceedings of the International Conference „Research People and Actual Task on Multidisciplinary Sciences”, Vol. I. Lozenec, 6-8 June, Bulgaria, p. 93-97, ISBN 978-954-91147-3-7.
4. **Sima Rodica**, Al. S. Apahidean, Maria Apahidean, D. Măniuțiu, Diana Ficior, **2007**, The influence of fertilization on yield and fruit quality at greenhouse tomatoes cultivated in soil and organic substrate. Simpozionul Științific Internațional „Realizări și perspective în horticultură, viticultură, vinificație și silvicultură” consacrat aniversării a 100 de ani de la nașterea Prof. univ. Gherasim RUDI, Lucrări științifice, Vol. 15(2), p. 336-339, ISBN 978-9975-946-11-7. [In Romanian].
5. **Sima Rodica**, **2006**, The influence of technological inputs on greenhouse tomatoes quality. Proceedings of 41st Croatian & 1st International Symposium on Agriculture, 13th-17th February 2006, Opatija, Croatia, p. 333-334, ISBN 953-6331-39-X.
6. **Ganea (Sima) Rodica**, D. Indrea, Al. S. Apahidean, Maria Apahidean, D. Măniuțiu, **2002**, The effect of composition and volume of substrate on under glass grown tomatoes. Innováció a tuelomány és a gyakorlat egysége az ezvedforduló agráriumban, p. 105-111, Debrecen, ISBN 963-9274-29-1.

Annex 2 – List of Research projects:


a). director:

- 1) Director of research grant 9609/06.07.2015 USAMV – 756/07.07.2015 Eurofins Agroscience Services SRL, Biological assessment and development of technology for application of plant protection products and other products used in agriculture, **2015-2016**.
- 2) National Council for Scientific Research in Higher Education research project, AT type, “The influence of culture system on alimentary quality of vegetables obtained from protected spaces cultures”, **2004-2005**.

b). member in national research Projects:

- 3) Proiect complex PC: Cercetări interdisciplinare privind efectul unor principale inputuri potențial nocive din surse tehnologice (fertilizanți, pesticide) în optimizarea relației sol, plantă, consumator în scopul asigurării calității vieții; Contractor: USAMV Cluj-Napoca; **2008-2011**;
- 4) PNCDI – PROGRAM IDEI – PCE; COD CNCISIS: 1488; Stabilirea unui sortiment de plante furajere anuale și perene în condițiile Câmpiei Transilvaniei, în vederea limitării efectelor negative ale secetei asupra producerii de furaje; **2008-2011**;
- 5) Proiecte de cercetare-dezvoltare complexe, Modulul I, nr. 32/2006, Ameliorarea și asigurarea seminței de bază, crearea de noi soiuri, precum și metode ecotehnice de protecție integrată la specii legumicole din Podișul Transilvaniei – SEMPROT; Contractor titular: Stațiunea de Cercetare Dezvoltare pentru Legumicultură Iernut, jud. Mureș; Contractor asociat: USAMV Cluj-Napoca; **2006-2008**;
- 6) Proiect complex PC: Biotehnici de protecție a culturilor de legume utilizând produse economice; Contractor: Institutul de Cercetări în Chimie Raluca Ripan Cluj-Napoca; Contractor asociat USAMV Cluj-Napoca; **2007-2010**;
- 7) Proiect complex PC: Cercetări privind inventarierea și conservarea diversității genetice la diferite specii de legume – premisă esențială a extinderii agriculturii ecologice în România și a securității alimentare pe termen lung; Contractor: USAMV Cluj-Napoca, **2007-2010**;
- 8) Proiect complex PC 51045: Exploatarea durabilă a resurselor de sol din spații protejate prin implementarea tehnologiilor ecologice și dezvoltarea unor metode de monitorizare și analiză compatibile cu standardele Uniunii Europene; Contractor: Universitatea de Științe Agricole și Medicină Veterinară Ion Ionescu de la Brad Iași; Contractor asociat USAMV Cluj-Napoca, **2007-2010**;
- 9) Grant CNCISIS tip A, cod CNCISIS 787, Cercetări privind unele secvențe tehnologice la cultura tomatelor de seră, pe substrat organic, **2002-2004**;
- 10) Grant CNCISIS tip A, Dirijarea fertilizării în cultura castraveților de seră pe substrat organic, **2001-2004**;
- 11) Grant CNCISIS tip AT, Contribuții la perfecționarea tehnologiei de cultură a ciupercilor Pleurotus, **2000-2003**;
- 12) Grant CNCISIS tip A, Eficientizarea culturii ardeiului gras în solarii prin sisteme de cultură „fără sol”, **2000-2003**.

Cluj-Napoca, 05.07.2020

Prof.  Maria Sima, PhD