



## Europass Curriculum Vitae

### Personal information

**First name(s) / Surname(s)** **Rodica Maria Sima**  
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**Nationality** Romanian  
**Gender** Female

### Work experience

**University of Agricultural Sciences and Veterinary Medicine (UASVM), Cluj-Napoca**  
Development/improvement of technologies for in field and protected cultivation of vegetable species;  
Food quality of vegetables from field and protected cultivation under the influence of different technological inputs (fertilizers, pesticides, growing media etc.);  
Soilless cultivation of vegetable species;  
Reaction of vegetable plants to abiotic stress factors;  
Use of vegetable species in landscaping.

**Dates** October 2017 - onwards  
**Occupation or position held** Professor PhD  
**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 and Business in Rural Development  
**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 cultivation 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	Diploma of Engineer in Horticulture
Name and type of organisation providing education and training	University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Faculty of Horticulture
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  
*European level (\*)*

**English**

**French**

Understanding			Speaking		Writing
Listening	Reading		Spoken interaction	Spoken production	
B2 Independent user	C1 Proficient user		B2 Independent user	B2 Independent user	C1 Proficient user
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 00PH1652-2000-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 CNCSIS (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**

**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;

**165 scientific papers** published in national and international journals: 28 articles in ISI indexed journals; 73 articles in international database indexed journals.

**Director of 2 research projects.** Participation as **member of the research team in 12 national projects.**

**Member of International Societies:** Balkan Environmental Association (BENA), International Society for Horticultural Sciences (ISHS), International Society of Organic Agriculture Research (ISOFAR).

**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).

**EDITORIAL BOARD MEMBER and SCIENTIFIC REVIEWER:**

**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;

**ISI indexed journals:** Scientific Reviewer Scientia Horticulturae; Scientific Reviewer Notulae Botanicae Horti Agrobotanici Cluj-Napoca.

**Annexes**

Annexe 1. Selective list of publications

## Annex 1 – Selective list of publications

### Books, chapters in books:

#### a). single author:

- 1) **Rodica Sima, 2017**. Legumicultură ornamentală, Manual didactic. Ed. AcademicPres, Cluj-Napoca. ISBN 978-973-744-583-4
- 2) **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].

### Scientific papers:

1. Panțiru Irina, Amy Ronaldson, Sima N., Dregan A., **Rodica Sima\***, **2024**, The impact of gardening on well-being, mental health, and quality of life: an umbrella review and meta-analysis. Systematic Reviews, 13(1):45. DOI: 10.1186/s13643-024-02457-9
2. 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.
3. 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.
4. 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.
5. 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. Madalina Tudor-Radu, Loredana Elena Vîjan\*, 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.
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.
7. Andreea Stanilă, Zorița Diaconeasa, Ioana Roman, Nicușor Sima, Danuț Măniuțiu, Alin Roman, **Rodica Sima\***, **2015**, Extraction and 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.
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, Bulletin of UASVM Cluj-Napoca, ISSN 1843-5254, p. 273-278;
11. **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.

Pagina web: <https://scholar.google.com/citations?user=-ZHORVoAAAAJ&hl=ro>

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Professor Rodica Maria Sima, PhD