Europass Curriculum Vitae

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Personal information

First name(s) / Surname(s)	Chitu, Emil
Address(es)	**Crinului street, nr. 36, D7 block, apt. 9, 3rd floor, Pitesti town, code 110109, Romania**
Telephone(s)	**0040 248278066** Mobile: 0040 740220333
Fax(es)	**0040 248278477**
E-mail	**icdp.pitesti@asas.ro, emilchitu@gmail.com,**
Nationality	Romanian
Date of birth	24.12.1954
Gender	male

Desired employment / Occupational field

Work experience

Dates	25.12.2019 - present
Occupation or position held	Orchard Technologies and plant protection laboratory - Senior Researcher I degree, retired researcher with 50% working rate
Main activities and responsibilities	Orchard Technologies and plant protection laboratory
Name and address of employer	Research Institute for Fruit Growing Pitesti, Maracineni, Str. Marului, no. 402, Maracineni, code 117450 Arges County, http://www.icdp.ro
Type of business or sector	Research in Fruit Growing
Dates	23.11.2017 – 24.12.2019
Occupation or position held	Orchard Technologies and plant protection lab. responsible - Senior Researcher I degree
Main activities and responsibilities	Orchard Technologies and plant protection lab. responsible
Name and address of employer	Research Institute for Fruit Growing Pitesti, Maracineni, Str. Marului, no. 402, Maracineni, code 117450 Arges County, http://www.icdp.ro
Type of business or sector	Research in Fruit Growing
Dates	01.10.2011 – 22.11.2017
Occupation or position held	Scientific Secretary, Senior Researcher I degree
Main activities and responsibilities	Scientific Secretary, Fruit Trees Eco-physiology
Name and address of employer	Research Institute for Fruit Growing Pitesti, Maracineni, Str. Marului, no. 402, Maracineni, code 117450 Arges County, http://www.icdp.ro
Type of business or sector	Research in Fruit Growing
Dates	01.07.2002 - 30.09.2011
Occupation or position held	Scientific Secretary, Senior Researcher II degree
Main activities and responsibilities	Scientific Secretary, Fruit Trees Eco-physiology
Name and address of employer	Research Institute for Fruit Growing Pitesti, Maracineni, Str. Marului, Maracineni, code 117450Arges County, http://www.icdp.ro
Type of business or sector	Research in Fruit Growing
Dates	01.05.1990 - 30.06.2002
Occupation or position held	Senior Researcher III degree

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Main activities and responsibilities	Scientific Secretary, Fruit Trees Eco-physiology
Name and address of employer	Research Institute for Fruit Growing Pitesti, Maracineni, Str. Marului, Maracineni, code 117450Arges County, http://www.icdp.ro
Type of business or sector	Research in Fruit Growing
Dates	01.10.1979 - 31.07.1983 and 01.08.1983 – 30.04.1990
Occupation or position held	Engineer and Researcher
Main activities and responsibilities	Fruit Trees Propagation, Technologies and Eco-physiology
Name and address of employer	Research Station for Fruit Growing Mehedinti, Drobeta Turnu - Severin
Type of business or sector	Research in Fruit Growing

Education and training

Dates	11.1993 - 12.2000
Title of qualification awarded	Ph.D. Diploma in Horticulture
Principal subjects/occupational skills covered	Horticulture, Fruit Growing
Name and type of organisation providing education and training	University of Agronomical Sciences and Veterinary Medicine, Bucharest
Level in national or international classification	(remove if not relevant, see instructions)
Dates	09.1975 - 09.1979
Title of qualification awarded	Horticulturist engineer
Principal subjects/occupational skills covered	Horticulture
Name and type of organisation providing education and training	University of Agronomical Sciences and Veterinary Medicine, Bucharest
Level in national or international classification	High Confidence [ARACIS]

Personal skills and competences

Mother tongue(s): **Specify mother tongue** Romanian

Other language(s)

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Experimented user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(*) Common European Framework of Reference for Languages

Social skills and competences	Adaptable, team player
Organisational skills and competences	Ph.D. in Horticulture, December 2000
Technical skills and competences	Horticulturist, Fruit Trees Eco-physiology Researcher
Computer skills and competences	Microsoft Office, SPSS 14.0 Statistical Analysis Software, LEAD Technologies, Inc., Instat+ v.3.37 climatological statistical software, Surfer 9.0 or 12.0 Surface Mapping System, Golden Software, Inc., Corel Draw, PhotoFiltre Studio X, ImageJ, Q Basic programmer, Specware 9 Pro.
Artistic skills and competences	Graph design, digital photography
Other skills and competences	Hobby: bonsai, computers, gardening
Driving licence	Yes

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Additional information

Publications (selective list- cronologicaly)

1. E. Chitu, M. Calinescu, I. Mazilu, M. Coman and E. Mateescu, 2022. Model-based assessment of Romania's climatic suitability for the extension of fig, Chinese persimmon and jujube crops. Romanian Journal of Horticulture, Volume III, 2022. ISSN-L 2734 – 7656. On line ISSN 2734 – 8083. Print ISSN 2734 – 7656. CD-ROM ISSN 2734 – 7664.pag. 131-138. https://romanianjournalofhorticulture.ro/model-based-assessment-of-romanias-climatic-suitability-for-the-extension-of-fig-chinese-persimmon-and-jujube-crops/
2. Chitu, E., Paltineanu, C., 2020. Timing of phenological stages for apple and pear trees under climate change in a temperate-continental climate. International Journal of Biometeorology 64, 1263–1271 (2020). https://doi.org/10.1007/s00484-020-01903-2;
3. Chitu, E., and Paltineanu, C., 2019. Relationships between MDS, Soil, and Weather Variables for Topaz Apple Tree Cultivated in Coarse-Textured Soils. Journal of Irrigation and Drainage Engineering. Volume 145, Issue 2ISSN (print): 0733-9437 | ISSN (online): 1943-4774. doi:10.1061/(ASCE)IR.1943-4774.0001365. https://ascelibrary.org/doi/abs/10.1061/%28ASCE%29IR.1943-4774.0001365
4. Chitu Emil, Paltineanu Cristian, Sumedrea Dorin, Butac Mădălina, Militaru Mădălina, Tănăsescu Nicolae, Sirbu Sorina, Jakab Zsolt, Petre Gheorghe, Caplan Ion, Iacobuta Gheorghe, Calinoiu Ion, Diaconu Aurelia, 2016. The effect of the extreme values of the air temperature from the last two winters in Romania on the viability of the apricot, peach and sweet cherry flower buds. Fruit Growing Research, Vol. XXXII, 2016. ISSN: 2286 – 0304; ISSN–L 2286 – 0304; Online ISSN 2344 – 3723: 44-54. http://publications.icdp.ro/publicatii/lucrari%202016/08.Lucrare%20Emil%20Chitu. pdf
5. Chițu E., Călinescu M., Isac I., Iancu M., Dumitru Sorina Justina, Ignat P., 2016. Zoning of the fruit trees species in the Arges County basins according to the pedoclimatic conditions. Editura Invel Multimedia, București. ISBN 978-606-764-013-7; Tipografia color Universal Pitești: 140 p.p. ;
6. Chitu E., Giosanu D., Mateescu E., 2015. The Variability of Seasonal and Annual Extreme Temperature Trends of the Latest Three Decades in Romania. Agriculture and Agricultural Science Procedia. Volume 6, 2015, doi:10.1016/j.aaspro.2015.08.113, pages 429–437
7. Coman Mihail and Chițu Emil, 2014. Zonarea speciilor pomicole în funcţie de condițiile pedoclimatice și socio-economice ale României (Zoning of fruit trees species depending on soil and climatic conditions of Romania). Editura Invel Multimedia, ISBN: 978-973-1886-93-0, 288 p.p.;
8. Chiţu E., Giosanu D., Mateescu E., 2013. Seasonal and Annual Extreme Temperature Variability and Trends of the latest three decades in Romania. Advances in Environmental Sciences - International Journal of the Bioflux Society, Online ISSN 2065-7647. Volume 5, Issue 2: 70-88; http://www.aes.bioflux.com.ro
9. Giosanu D., Chiţu E., Mateescu E., 2013. Comparison of the monthly and annual trends of extreme air temperatures at Pitesti and Maracineni in the period 1982-2011, versus Romania. Scientific Symposium “Sustainable Development in Agriculture and Horticulture”. 14 - 15 November 2013, Craiova, Romania;
10. Chitu E., Chitu V. and Butac M., 2012. Modelling of climatic changes impact on the growth and fruiting of some plum cultivars in the southern part of Romania. Acta Hort. 968(968):253-260, November 2012. DOI: 10.17660/ActaHortic. 2012.968.35;
11. Chițu E., Sumedrea D., Păltineanu Cr., Tănăsescu N., 2012. Daily stem growth pattern in irrigated apple orchards from Arges County in relation to climate change. Fruit Growing Research, Vol. XXVIII, 2012, ISSN 2286-0304: 58-77. http://www.icdp.ro/publicatii/lucrari%202012/09.%20Emil%20Chitu.pdf
12. Chitu Emil, Mateescu Elena, Chitu Viorica, Sumedrea Dorin, 2011. Models to determine the thermal suitability for pear orchards in Romania. Acta Hort. (ISHS) 981:741-748. http://www.actahort.org/books/981/981_119.htm;
13. Chitu, E., Sumedrea , D., Chitu, V., Topor, E., Paltineanu , C., Dumitru, M.L., Ionita , A.D. and Filipescu, L. 2011. Phenological and climatic modelling of the late frost damage in apricot orchards under the changing climatic conditions of south-eastern Romania. Acta Hort. (ISHS) 919:57-64. http://www.actahort.org/books/919/919_7.htm;
14. Asanica A., Sumedrea D., Chitu E., Butac M., Militaru M. and Tudor V., 2011. Initial growth and yield of Skeena, Kordia and Ferrovia sweet cherry varieties on Gisela 5 rootstock. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture, Vol. 66, ISSN 1843-5254:135-142, inclus in ISI Master Journal List (Thomson Reuters Master Journal List, ISSN: 1843-5394), CNCSIS B+:135-142. http://journals.usamvcj.ro/horticulture/search/results

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15. Chiţu E., Butac M., Iancu M., 2010. Modeling of climatic changes impact on the growth and fruiting of some plum cvs. in the southern part of Romania. Acta Horticulturae , nr. 968:253-260. ISSN: 0567-7572; ISBN: 9789066056756. http://www.actahort.org/books/968/968_35.htm
16. Chitu Emil, Aura Dana Ionita, Marina Cirjaliu-Murgea, Viorica Chitu, Laurentiu Filipescu, 2009. Evaluation of foliar nutritive fluids effect on apple photosystem II efficiency using chlorophyll fluorescence. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture, Vol. 66, ISSN 1843-5254:135-142, inclus in ISI Master Journal List (Thomson Reuters Master Journal List, ISSN: 1843-5394), CNCSIS B+:135-142. http://journals.usamvcj.ro/horticulture/search/results
17. Chiţu E., D. Sumedrea, Cr. Păltineanu, 2008. Phenological and climatic simulation of late frost damage in plum orchard under the conditions of climate changes foreseen for Romania. Acta Horticulturae (ISHS) 803, ISSN 0567-7572; ISBN 978 90 6605 681 7:139-146. http://www.actahort.org/books/803/803_17.htm.
18. Chiţu, E. and Cr. Păltineanu, 2006. Phenological and Climatic simulation of the late frost damage in cherry and sour cherry in Romania. Acta Horticulturae 707. ISSN: 0567-7572. ISBN: 90 6605 460 3: 109-119. http://www.actahort.org/books/707/707_13.htm
19. Paltineanu Cr. and E. Chiţu, 2006. An estimation model of the climatic rating in the 'Golden Delicious' apple cultivar in the Southern part of Romania. Acta Horticulturae 707. ISSN: 0567-7572. ISBN: 90 6605 460 3: 119-127. http://www.actahort.org/books/707/707_14.htm

Research projects

Director of the project:

Sectoral Project of the Ministry of Agriculture and Rural Development - Romania: ADER 6.3.3./ 2023-2026. Actualizarea zonării speciilor pomicole în raport cu schimbările climatice (Updating the zoning of fruit trees species in relation to climate change); https://icdp.ro/cercetare/proiecte-nationale/plan-sectorial-madr/ader-6-3-3/rezumat/

Project DGMADR 1. „Analiza pretabilității cultivării pe teritoriul României a unor specii pomicole noi: goji, kiwi, banana nordului, kaki, curmalul chinezesc, smochinul și moșmonul", în perioada 2018-2022 (Analysis of the feasibility of growing some new fruit species on the territory of Romania: goji, kiwi, northern banana, kaki, Chinese persimmon, fig and mulberry, in the period 2018-2022);

Sectoral Project of the Ministry of Agriculture and Rural Development - Romania: ADER 3.3.12. / 2015-2018. Creşterea competitivităţii tehnico-economice în pomicultură prin tehnologii adaptate la condițiile pedoclimatice din România în vederea implementării Subprogramului tematic Pomicol în perioada 2015-2020 (Increasing technical and economic competitiveness in fruit growing through technologies adapted to the pedoclimatic conditions in Romania in order to implement the Pomicol Thematic Subprogram in the period 2015-2020);

Sectoral Project of the Ministry of Agriculture and Rural Development - Romania: ADER 1.2.3./ 2012-2014. Tehnologii pomicole inovative de limitare a impactului negativ al schimbărilor climatice (Innovative fruit technologies to limit the negative impact of climate change);

PNCDI II - Partnership / 51-059 / 18.09.2007: Evaluarea impactului schimbărilor climatice asupra potenţialului agroclimatic al României în vederea zonării producţiei pomicole (CLIMPACTPOMI), Assessing the impact of climate change on Romania's agro-climatic potential for zoning of fruit production;

PN II Programul Capacităţi / 181 CP I / 05.09.2008: Modernizare laborator de cercetare pentru păstrarea fructelor şi a materialului săditor pomicol (FRUITSTOR);

Partner of the project:

COST Action Project 863: Euroberry Research: from Genomics to Sustainable Production, Quality & Health (2005-2008).

Patents:

Single author of **National patent nr. 127444 B1** registered to OSIM on 28.12.2012**: „System and method of warning the effects of late frost in orchards using phenological and climatic simulation"**

Co-author at Patent nr. 127519 B1, registered to OSIM on 30.09.2013: „ Procedure for obtaining black charcoal by carbonisation of plant debris and its management in orchards"; Co-author of 1 fruit cultivars patent: patent ISTIS no. 298/31.07.2013 for black currant cultivar POLI 51.

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	Documentary visits and participation in international scientific congresses and symposiums: The international course "Crops for arid and semiarid zones", organized by the Ministry of foreign Affairs from Israel, Center for International Cooperation Mashav and Institutes for applied research Ben-Gurion University of the Negev, between October 10 - December 10, 1994; 7th International Symposium on Modelling in Fruit Research and Orchard Management, Copenhagen, Denmark, 20.-24.06.2004; 8th International Symposium on Modelling in Fruit Research and Orchard Management, Einsiedeln, Switzerland, 1-5 iulie 2007; 9th European Society for Agronomy Congress, Warsaw, Poland, 4-7 September 2006, "European education and research in agronomy"; workshop-ul „Berry production in changing climate conditions and cultivation systems", Geisenheim, Germany, 29-31 October 2008; 28th International Horticultural Congress, August 22-27, Lisbon, Portugal; III Balkan Symposium, Beograd, 2016.

Date,
April 2024

Signature,

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