

Curriculum Vitae

Personal information

First name(s) / Surname(s) **SUMEDREA MIHAELA**

Address(es) Pitesti, Romania

Telephone(s) 00 40 0248 278066

Fax(es) 00 40 0248 278477

E-mail mihaela_sumedrea@yahoo.com; office@icdp-pitesti.ro

Nationality Romanian

Date of birth 12 March 1968

Gender female

Desired employment / Occupational field

Work experience

Dates 01.11.2017 - to present

Occupation or position held Senior researcher Ist, degree, Plant protection, Expertise, consultancy and phytosanitary assistance in fruit growing.

Main activities and responsibilities Plant protection

Name and address of employer RIFG Pitesti Romania, Str. Marului, Maracineni, Arges, cod 117450, CP 73, <http://www.icdp.ro>
E-mail: office@icdp-pitesti.ro

Type of business or sector Research in Fruit Growing

Desired employment / Occupational field

Dates June, 2004 – 01.11.2017

Occupation or position held Senior researcher IInd, degree, Plant protection, Expertise, consultancy and phytosanitary assistance in fruit growing

Main activities and responsibilities Plant protection

Name and address of employer RIFG Pitesti Romania, Str. Marului, Maracineni, Arges, cod 117450, CP 73, <http://www.icdp.ro>
E-mail: office@icdp-pitesti.ro

Type of business or sector Research in Fruit Growing

Dates 01.05.2001- 01.06.2004

Occupation or position held Plant protection

Main activities and responsibilities Senior researcher, III degree, Plant protection

Name and address of employer Research Institute for Fruit Growing Pitesti, Romania, O.P.1, C.P. 73, Pitești, Arges District, 110006, Romania, Tel: 0040-248-278066; Fax: 0040-248-278477; E-mail: office@icdp-pitesti.ro Website: <http://www.icdp.ro>

Type of business or sector Research in Fruit Growing

Dates 01.05.1998 - 01.05.2001

Occupation or position held Plant protection

Main activities and responsibilities researcher, Plant protection

Name and address of employer	Research Institute for Fruit Growing Pitesti, Romania, O.P.1, C.P. 73, Pitești, Arges District, 110006, Romania, Tel: 0040-248-278066; Fax: 0040-248-278477; E-mail: office@icdp-pitesti.ro Website: http://www.icdp.ro																																							
Type of business or sector	Research in Fruit Growing																																							
Dates	01.11.1993 - 01.05.1998																																							
Occupation or position held	Fruit Breeding & Genetic resources																																							
Main activities and responsibilities	engineer, Fruit Breeding & Genetic resources - cherry																																							
Name and address of employer	Research Institute for Fruit Growing Pitesti, Romania, O.P.1, C.P. 73, Pitești, Arges District, 110006, Romania, Tel: 0040-248-278066; Fax: 0040-248-278477; E-mail: office@icdp-pitesti.ro Website: http://www.icdp.ro																																							
Type of business or sector	Research in Fruit Growing																																							
Education and training																																								
Dates	October, 1996 - July, 2001																																							
Title of qualification awarded	PhD 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 Faculty of Horticulture																																							
Level in national or international classification	High Confidence [ARACIS]																																							
Dates	1996																																							
Title of qualification awarded	English certificate																																							
Principal subjects/occupational skills covered	Foreign Language Training																																							
Name and type of organisation providing education and training	FIDES Foreign Languages Training Center Bucuresti Web. www.fidescentre.ro ; E-mail cursuri@fidescentre.ro ; institutii@fidescentre.ro																																							
Level in national or international classification	ECL, TOEIC, TOEFL, TFI , Cambridge																																							
Dates	1988-1993																																							
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 Horticulture Faculty																																							
Level in national or international classification	High Confidence [ARACIS]																																							
Personal skills and competences																																								
Other language(s) Self-assessment	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>B2</td> <td>English</td> <td>B2</td> <td>English</td> <td>B2</td> <td>English</td> <td>B2</td> <td>English</td> <td>B2</td> <td>Independent use</td> </tr> </tbody> </table>										Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				B2	English	B2	English	B2	English	B2	English	B2	Independent use
Understanding				Speaking				Writing																																
Listening		Reading		Spoken interaction		Spoken production																																		
B2	English	B2	English	B2	English	B2	English	B2	Independent use																															
Language	<p>(*) Common European Framework of Reference for Languages</p>																																							
Social skills and competences	Team spirit, good ability to adapt to extended work or activity, good communication skills gained though my experience as researcher																																							

Experience in coordinating research projects:

-**ADER 6.3.22./2023** „The development of innovative technologies of ecological fruit growing harmonized with economic and natural resources”, 2023-2026 - Project manager.

-**12 PCCDI/2019 ECOTEHNOPOM** „Pre-harvest ecological technologies for propagation and exploitation of fruit species”, 2019-2021 - Project Manager component 2.

-**PN III - 68 CI/2017** „Innovative integrated disease and pest control technology in super-intensive cherry orchards”, 2017-2018 - Responsible for the project.

-**ADER 4.1.1./2015** „Identifying solutions for the integrated control of harmful organisms in fruit plantations that lead to the rehabilitation of the environment and obtaining healthy products in an ecological system” - Responsible for the project.

-**PNCDI II 51-008/2007** „Optimisation of fruit trees crops management directed to reduction of inputs in order to limit greenhouse gase emissions”, 2008-2010 - Project manager.

-**PNCDI II 61-040/2007** „Bio mimetic strategies to control some fruit growing pests using stat of the art biocides”, 2007-2010 - Project responsible.

-**RO 2001 IB AG-01** - A3, France „Harmonization of Romanian legislation with European legislation regarding the placing of plant protection products on the market, in accordance with EU directives - Responsible BPE.

Experience in other research projects - collaborator:

Ader 1.1.9./2011, Ader 1.1.8./2011, Ader 1.2.4./2011, Ader 1.2.3./2011, Ader 1.2.4./2011, Ader 3.3.3./2015, Ader 3.2.1./2015, Ader 3.3.1./2015, Ader 3.3.2./2015, Ader 16.1.1./2015, Ader 3.3.12/2015, Ader 3.1.2/2015, Ader 3.2.2./2015, Relansin 15/1999, Relansin 1924/2004, Relansin 1694/2004, Relansin 1922/2004, Agral 113/2001 Agral 146/2002 Agral 294/2004, CEEX 20/2005, CEEX 25/2005, CEEX 41/2005, CEEX 78/2006, BIOTECH 4510/2004, PNCDI II 52-153/2008, PNCDI II 52-165/2008, PNCDI II 52-154/2008, PNCDI II 51-064/2007, PNCDI II 51-016/2007, PNCDI II 51-059/2007, CEEX 20/2005, CEEX 25/2005, CEEX 41/2005, CEEX 59/2007, CEEX 78/2006, CEEX 101/2006, CEEX 100/2006, CEEX 138/2006, COOP-BIL, Sectoral Project PP320/2006, Grant CNCSIS 487, Biotech 4510/2004, AGRAL 81, AGRAL 113/2001, AGRAL 294/2004, Orizont 2000, PN-III-P2-2.1-BG-2016, COBIL Belarus/2016, COBIL France/2011, COBIL 39-12 China/2009.

Organisational skills and competences

Coordinator of the *Good Experimental Practice Program* (BPE) regarding the testing and use of plant protection products in the field: Fruit growing.

Computer skills and abilities

- ICT Training Module: Use of ARM 7.5 program in the field of pesticide biological efficacy assessment, Syngenta, Romania, March 25 2011.

- ICT Training Module: Use of Field Pro program in the field of pesticide biological efficacy assessment, DuPont Romania, Bucharest, September 24 2009;

- ICT Training Module: Use of ARM 7.0 program in the field of pesticide biological efficacy assessment, Research and Development Institute for Wine Growing Valea Călugărească, February 02 2007.

- Courses in the field of applied Information and Communication Technologies (ICT), University of Pitesti between March-October 2000 ; May-October 2001 at “Muntenia” Formation Center, in the frame of TEMPUS JEP 14448 European Project;

- Windows 3.1.1., 95, 98, 2000, MS Office; Norton Commander, IrfanView, XnView, PhotoFiltre, Specware 8, Specware 9, ARM 8, ARM 9, Internet.

Other skills and abilities

- Phytosanitary risk monitoring and release of Phytosanitary Assistance Bulletins, based on annual subscriptions

- Member of *Commission for Coordination of Research and Promotion of Plant Protection Products* ASAS, Bucharest;

- Member of the *Romanian Society of Horticulture*;

- Pedagogy and pedagogical practice course - University of Agronomic Sciences and Veterinary Medicine Bucharest

Pharmacy Assistant - Post-secondary School, 2 years.

Additional Information

Marin Cristian, Călinescu Mirela, **Sumedrea Mihaela**, Chițu Emil, 2023,

The dynamic monitoring of some damaging agents in fruit growing related to the climate changes of last decade [Monitorizarea dinamicii unor agenți de dăunare din pomicultură în contextual schimbărilor climatice din ultimul deceniu]. Fruit Growing Research, Vol. XXXIX, 2023; DOI 10.33045/fgr.v39.2023.13;

<https://publications.icdp.ro/publicatii/lucrari%202023/13.%20Marin%20Cristian.pdf>

Marin F.C., Calinescu Mirela, **Sumedrea Mihaela**, 2022, *Researches on use of some post-emergent herbicides to control weeds in bearing apples orchards [Cercetări privind eficacitatea unor erbicide post-emergente în combaterea buruienilor în livezile de măr pe rod]*. Fruit Growing Research, Vol. XXXVIII, 2022, 11 pp.; <https://publications.icdp.ro/publicatii/lucrari%202022/23.%20Marin%20Cristian.pdf>

Sumedrea Mihaela, Marin Florin Cristian, Călinescu Mirela, 2021, *Influența diferitelor sisteme de fitoprotecție asupra faunei entomofage dintr-o plantație de măr (The influence of different phytoprotection systems on entomophage fauna in a apple plantation)*. Fruit Growing Research Vol. XXXVII, 8 pp.; <https://publications.icdp.ro/publicatii/lucrari%202021/16.Sumedrea%20Mihaela.pdf>

Marin F.C., **Sumedrea Mihaela**, Călinescu Mirela, Chițu E., Moale Cristina, Septar Leinar, 2021, *Use of expert software and feromones traps for biocenotic stress monitoring and early warning of treatments against insects in orchards. [Utilizarea programelor expert și a capcanelor cu feromoni pentru monitorizarea stress-ului biocenotic și avertizarea timpurie a tratamentelor cu insecticide în plantațiile pomicole]*. Fruit Growing Research Vol. XXXVII, 13 pp.; <https://publications.icdp.ro/publicatii/lucrari%202021/13.Marin%20Florin.pdf>

Marin F.C., Călinescu Mirela, **Sumedrea Mihaela**, Chițu E., 2020, *Behavior of some walnut varieties under juvenile phase to bacteriose and antracnose attack [Comportarea unou soiuri de nuc în fază juvenilă la atacul bacteriozei și antracnozei]*. Fruit Growing Research Vol. XXXVI, 10 pp.; <https://publications.icdp.ro/publicatii/lucrari%202020/II.03.%20Marin%20Cristian.pdf>

Marin F.C., Călinescu Mirela, **Sumedrea Mihaela**, Bălăuță L., Chitu E. 2019, *Indicatori pentru diagnoza timpurie și cuantificarea stressului biocenotic la unele specii pomicole cultivate în sistem superintensiv [Indicators for early diagnosis and quantification of biocenotic stress on some fruit species grwn in the superintensive system]*, Fruit Growing Research, Vol. XXXV, 2019. 16 pp.; <https://publications.icdp.ro/publicatii/lucrari%202019/II.02.%20Marin%20Cristian.pdf>

Marin F.C., Calinescu Mirela, **Sumedrea Mihaela**, Chitu E., Tănăsescu N., Moga Cristina, 2017, *Efectul produselor pe bază de calciu asupra calității cireșelor și prunelor [Effect of Calcium based products on cherries and plum quality]*, Fruit Growing Research, Vol. XXXIII, p. 53-59, <http://publications.icdp.ro/publicatii/lucrari%202017/II.3.%20Marin.pdf>

Adrian Asănică, Valerica Tudor, Catița Plopa, **Mihaela Sumedrea**, Adrian Peticilă, Răzvan Teodorescu, Valentina Tudor, 2015. *In vitro embryo culture of some sweet cherry genotypes*. Agriculture and Agricultural Science Procedia. Elsevier Vol. 10, 2016, <http://www.sciencedirect.com/science/article> , ISSN 2285-5653, pg. 172-177.

Mihaela Sumedrea, Fl.C. Marin, Mirela Călinescu, D. Sumedrea, A. Iorgu, 2015. *Researches Regarding the Use of Mating Disruption Pheromones in Control of Apple Codling Moth - Cydia pomonella L.* Life for Agriculture, Agriculture for Life, UASVM Bucharest. Agriculture and Agricultural Science Procedia. Elsevier Vol. 6C, pg. 171-178.

Militaru M., Butac M., **Sumedrea M.**, Călinescu M., Marin F. C., 2015. *Evaluation of resistance to pests and diseases of some old apple varieties*. Fruit Growing Research, vol. XXXI, pg. 34-37. <http://publications.icdp.ro/publicatii/lucrari%202015/05.Militaru%20Madalina.pdf>

Sumedrea D., Isac Il, Iancu M., Olteanu A., Coman M., Duțu I. (coordonatori), Ancu I., Botu I., Budan S., Butac M., Călinescu M., Chițu E., Creangă I., Isac V., Mladin P., Mladin Gh., Militaru M., Mazilu Cr., Marin F., Nicola C., Preda S., Plopa C., Stanciu C., **Sumedrea M.**, Tănăsescu N., Turek A., 2014. *Pomi, arbuști fructiferi și căpșun - Ghid tehnic și economic*. Editura Invel - Multimedia, București (recunoscută CNCISIS), ISBN 978-973-1886-82-4; 284 pagini.- [Journal Database - http://publications.icdp.ro/publicatii/lucrari%202015/14.Marin%20Florin.pdf](http://publications.icdp.ro/publicatii/lucrari%202015/14.Marin%20Florin.pdf)

Sumedrea D., Chițu E., Chițu Viorica, **Sumedrea Mihaela**, Marin F. C., Tanasescu N., 2012, *Fruit growing technologies to mitigate the negative impact of the climatic changes in the southern part of Romania [Tehnologii pomicole de limitare a impactului negativ al schimbărilor climatice în Sudul României]*, Scientific Papers, Series B, Horticulture, Vol. LVI, 2012, p. 185-192, ISSN Online 2286-1580, ISSN-L 2285-5653; <http://horticulturejournal.usamv.ro/index.php/scientific-papers/issues?id=75-Journal Database> –

Sumedrea Mihaela, Sumedrea D., Asănică A., "Pomicultură practică", 2011, Editura Invel Multimedia, ISBN 978-973-1886-55-8, recunoscută CNCISIS;

Sumedrea D., **Sumedrea Mihaela**, "Pomicultură generală", 2011, Editura Invel Multimedia, ISBN 978-973-1886-60-2, recunoscută CNCISIS;

Sumedrea Mihaela, Sumedrea D., Marin F.C., Chitu E., Călinescu Mirela, Bolbose Cecilia, Zagrai I., Iorgu A, 2010, *Biological efficacy of some new insecticides in control of San José scales, red mites and aphids in apple and plum orchards [Eficacitatea biologică a unor insecticide noi în combaterea păduchelui din San Jose, păienjenilor roșii și afidelor în livezile de măr și prun]*, Journal of Horticulture Forestry and Biotechnology, Banat's University of Agriculture Sciences and Veterinary Medicine Timisoara, Faculty of Horticulture, vol. 14. 2010, p. 252-256, AGROPRINT Editure Timisoara 2009, ISSN 2066-1797; - [Index Copernicus - http://www.journal-hfb.usabtm.ro/romana/Lista%20lucrari%202010_PDF/JHFB%20-%20vol.1/53%20Sumedrea%20Mihaela.pdf](http://www.journal-hfb.usabtm.ro/romana/Lista%20lucrari%202010_PDF/JHFB%20-%20vol.1/53%20Sumedrea%20Mihaela.pdf) –

Sumedrea Mihaela, Sumedrea D., Chițu E., Tănăsescu N., Turek A., Marin F. C., Temocico Georgeta, Chițu Viorica, Murariu F., Murariu Raluca, Nicola Claudia, Călinescu Mirela, Asănică Cristina Alexandra, Alecu Eugenia, 2010, "Tehnologie privind optimizarea fertilizării, a sistemului de combatere a bolilor și dăunătorilor și aplicarea cărbunelui negru în pomicultură" (Proiect PNCDI II 51-008/2007 - Optimizarea Managementului Tehnologiilor Pomicole Direcționată către Reducerea Imputurilor, în Scopul Limitării Emisiilor de Gaze cu Efect de Seră) Pitești, 2010, Editura Invel Multimedia, ISBN 978-973-1886-53-4, 268 pp., recunoscută CNCISIS;

Sumedrea Mihaela, 2010 - colaborator, coordonator Cristian Păltineanu *Pomicultura durabilă: de la genotip la protecția mediului și sănătatea umană* capitolul IV - *Protecția plantelor în pomicultură. Fitoprotecția speciilor fructifere în pomicultura durabilă*. Editura ESTFALIA, București, ISBN 973-8024-10-2; 414 pagini, p. 313-376.

Sumedrea Mihaela, Marin F.C., Teodorescu Georgeta, Paul Bădescu A., Săvulescu I., 2009, *Rynaxypr a new alternative to control codling moth (Cydia pomonella) in Romanian orchards [Rynaxypr o alternativă nouă pentru combaterea viermelui merelor (Cydia pomonella) în livezile din România]*, Proceedings of R.I.F.G. Pitesti, Vol. XXV 2009, p.124-129, ISSN 1584-2231; -**Agris FAO Database, Core KMI UK și DOAJ Database** - <http://www.icdp.ro/publicatii/Lucrari%202009/039.pdf>

Sumedrea Mihaela, Marin F.C., Sumedrea D. Chitu E., Călinescu Mirela, Smaranda Șt., 2009, *New phytoprotection technologies for 'Idared' cv. apple orchards [Tehnologii noi de fitoprotecție pentru livezile de meri " Idared"]*, Journal of Horticulture Forestry and Biotechnology, Banat's University of Agriculture Sciences and Veterinary Medicine Timisoara, Faculty of Horticulture, vol. 13. 2009, AGROPRINT Editura Timișoara 2009, ISSN 2066-1797; - **Index Copernicus** - http://www.journal-hfb.usab-tm.ro/romana/Lucrari_2009_paginate/25.pdf

Sumedrea D., Marin F.C., Nicola Claudia, **Sumedrea Mihaela**, Călinescu Mirela, 2010, *Preliminary results regarding the influence of black charcoal application in apple orchards on chemical and microbiological properties of the soil*, Analele Universitatii din Craiova, Biology-Horticulture-Food Produce Processing Technology-Environmental Engineering, Editura Universitaria, Craiova, Romania p. 534-543 ISSN: 1453-1275;

<http://www.anucraiova.3x.ro/cont/2010-2/V2.43.Sumedrea.pdf> - **CNCSIS 175** -

http://www.journal-hfb.usab-tm.ro/romana/Lista%20lucrari%202010_PDF/JHFB%20-%20vol.1/53%20Sumedrea%20Mihaela.pdf - **Index Copernicus** -

Teodorescu Georgeta, **Sumedrea Mihaela**, Marin F.C. 2006, *Synanthedon myopaeformis* Borkh un pericol real pentru livezile de măr și păr [Synanthedon myopaeformis Borkh apple clearwing moth a real danger for apple and pear orchards], Proceedings of IX Congress of European Society of Agronomy, Warsaw, September 2006; Horticulture and Silviculture Faculty, USAMVB Timișoara, ISSN 1453-1402 - **CNCSIS 260** –

- Teodorescu Georgeta, Murariu Fănică, **Sumedrea Mihaela**, Florin Cristian Marin, 2009. *Use of vegetal extracts in control of Monilia spp.*, Proceedings of the 1st Balcan Symposium on Fruit Growing Plovdiv Bulgaria, November, 2007, Acta Horticulturae 825, ISSN 0567-7572, ISBN 978-90-6605-410-3, pag. 363 - 370, ISI Proceedings.

Teodorescu Georgeta, Isac Maria, Amzăr Valentina, **Sumedrea Mihaela**, Bădescu Cristina, Șarpe Catița, Zdermțan Monica, Frăsin Loredana Beatrice, Vlăduțu Alina Mihaela, Mutafa I., Marin F.C., Olteanu A., 2004, *Managementul combaterii integrate a principalilor paraziți care cauzează declinul părului în România [Integrated management of main parasites causing pear decline in Romania]*, Editura Tiparg, Pitești, ISBN 973-7734-98-X, 61 p.; http://cncsis.gov.ro/userfiles/file/CENAPOSS/Edituri_arhiva_2010.pdf - **CNAPOSS-CNCSIS 329** –

- Mladin Paulina, Gh. Mladin, M. Coman, D. Sumedrea, Irina Ancu, Viorica Chițu, **Mihaela Sumedrea**, E. Chițu, 2008. *Ghidul de bune practici pentru cultura zmeurului, afinului, căpșunului și prunului*. Editura INVEL - Multimedia, București (recunoscută CNCSIS), ISBN 978-973-7753-84-7; 60 pagini.

- Teodorescu Georgeta, T. Roman, **M. Sumedrea**, 2003. *Entomologie horticolă - Dăunători specifici și metode de combatere* – Ed. CERES, ISBN 973-40-0631-2.

Patents:

-**Patent No. 1275** „Procedure for obtaining black coal by carbonisation of plant debris and its management in orchards”- co-author.

-**Patent No. RO127796-Ao; RO127796-B1** „Process for producing a planting material free of PNRSV by in vitro cultures in sour cherry tree variety named Schattenmorelle. Derwent Primary Accession Number: 2012-P00180 (Platforma Web of Science) - co-author.

Awards:

-SRH, 2003 for the work „Pomicultură” - Sumedrea Dorin, Mihaela Sumedrea, 2003, Ed. Academiei de Înalte Studii militare București; 218 pg; ISBN 973-663-004-8.

-SRH, 2008 for the work „Înființarea și întreținerea plantațiilor de prun, cireș și vișin”.

-Ion Haseganu, 2013 for the work „Pomicultura durabilă - de la genotip la protecția mediului și sănătatea umană”.

-Teodor Bordeianu, 2021 for the work „Tehnologii ecologice în pomicultură”.

Signature,

Date, 12.06.2024