



Europass Curriculum Vitae

Personal information

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E-mail titiricairina@gmail.com
Nationality romanian
Date of birth 10.04.1980
Gender femele

Desired employment / Occupational field

Work experience

Dates 08.2024-present
Occupation or position held research scientist I
Main activities and responsibilities Fruit growing germplasm evaluation, technologies for improvement of fruit quality
Dates 11.2019-08.2024
Occupation or position held research scientist II
Main activities and responsibilities Germplasm evaluation, technologies for improvement of fruit quality
Name and address of employer Dăbuleni Research-Development Station for Plant Cultivation on Sandy Soil, Romania, Petre Banita 217, Dabuleni, Romania
Type of business or sector Fruit Growing Department
Dates 11.2004-11.2019
Occupation or position held research scientist II
Main activities and responsibilities Berries selection and breeding, germplasm evaluation, technologies for improvement of fruit quality, Head of Laboratory from 2012-2019
Name and address of employer Research Institute for Fruit Growing Pitesti - Maracineni
Type of business or sector Small Fruis Department

Education and training

Dates 10.2004-10.2010
Title of qualification awarded Ph.D. Diploma in Horticulture
Principal subjects/occupational skills covered horticulture
Name and type of organisation providing education and training University of Agronomic Sciences and Veterinary Medicine, Bucuresti
Level in national or international classification (remove if not relevant, see instructions)
Dates 10.1999 – 07.2004

TITIRICĂ IRINA

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Title of qualification awarded | Diploma of license
 Principal subjects/occupational skills covered | Horticulture
 Name and type of organisation providing education and training | University of Agronomic Sciences and Veterinary Medicine, Bucuresti
 Level in national or international classification | High graduate

Personal skills and competences

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

Other language(s)

Self-assessment
 European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C2	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user
C1	Proficient user	C2	Proficient user	C2	Proficient user	C1	Proficient user	B2	Independent user

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

Social skills and competences | Replace this text by a description of these competences and indicate where they were acquired.
 (Remove if not relevant, see instructions)

Organisational skills and competences

Technical skills and competences

Computer skills and competences | Microsoft Office(Word, Excel and PowerPoint)

Artistic skills and competences

Other skills and competences | Pedagogical module

Driving licence | No

Additional information

Annexes
 1. List of publications,
 2. Expertise gained in research projects,
 3. The memory of the activity

1. LIST OF PUBLICATIONS

I am co-author to 18 scientific books, single autor to 1 book, and 86 published scientific papers in country and abroad.

The selective list of publications has the following papers:

- **Titirică I**, Netcu F, Dima M, Bîrsoghe C Northern banana or paw-paw grown in southern Romania sandy soils. Scientific Papers. Series B, *Horticulture.*, Scientific Papers. Series B, Horticulture. Vol. LXVII, No. 2, 2024 Print ISSN 2285-5653, CD-ROM ISSN 2285-5661, Online ISSN 2286-1580, ISSN-L 2285-5653.
- **Irina Titirică**, Marilena-Viorica Hovaneţ, Oana Brincoveanu, Emma Adriana Ozon, Eliza Oprea , Eugenia Nagodă , Ludovic Everard Bejenaru, Ligia Elena Duţu, Elena Moroşan, Carmmelina Bădiceanu, Florentina Netcu, Cornelia Bejenaru Comparative morpho-anatomical studies for two *Asimina triloba* varieties, Prima 1216 and Ithaca. Revista FARMACIA, 2024, Vol. 72, 5,
- Ioana Roman, **Titirică Irina**. 2023. Înfiinţarea unei plantaţii de afin, cu soiuri valoroase, cu fructe bogate în compuşi bioactivi. Editura AcademicPres, referenti ştiinţifici prof. Dr. Adriana Sestras, Conf. Dr. Erzsebet BUTA, 187 pagini.
- Claudia Nicola, Nagy Mihaela, Ghiţa Gina, Iamandei Maria, Diaconu Aurelia, **Titirică Irina**. 2022. Utilizarea compostului obţinut din namoluri de epurare a apelor uzate menajere în pomicultură- norme şi restricţii. Ed. Invel multimedia ISBN 978-606-764-073-1. 112 pagini

- Militaru Mădălina, Coman Mihail, Butac Mădălina, Sturzeanu Monica, **Titirică Irina**, Călinescu Mirela, Stanciu Cosmina, Botu Mihai, Gavăt Corina, Sîrbu Sorina, Iurea Elena, Erculescu Mihaela, Sestras Adriana, 2018. Fondul de germoplasmă la speciile pomicele cultivate în România, Ed. Invel Multimedia, ISBN 978-606-764-044-1, 210 pagini. Singur autor capitol "Arbuști fructiferi"
- Butac Mădălina, Militaru Mădălina, **Titirică Irina**, Sturzeanu Monica, Gavăt Corina, Opreță Alexandru Vlăduț, Iurea Elena, Sîrbu Sorina, Botu Mihai, Petre Valeria, Petre Gheorghe, Vintilă Marian, 2018. Sortimentele pretabile pentru pomicultura modernă, Ed. Invel Multimedia, ISBN 978-606-764-045-8, 134 pagini.
- **Irina Titirică**, Ioana A. Roman, Claudia Nicola, Monica Sturzeanu, Elena Iurea, Mihai Botu, Radu E. Sestras, Rodica Pop, Mădălina Militaru, Sezai Ercisli, Adriana F. Sestras. 2023. The Main Morphological Characteristics and Chemical Components of Fruits and the Possibilities of Their Improvement in Raspberry Breeding. Horticulturae 2023, 9 (1), 50; <https://doi.org/10.3390/horticulturae9010050>. WOS:000917826700001
- Milica Dima, Mirela Paraschivu, Elena Partal, Aurelia Diaconu, Reta Draghici, **Irina Titirica**, 2023. The impact of the sowing time on peanuts yield's components in marginal sandy soils in southern Oltenia, Romania. Romanian Agricultural Research, no.40, 2023, First Online: February, 2023. DII 2067-5720 RAR 2022-30. <https://www.incda-fundulea.ro/rar/nr40fol/rar40.42.pdf> WOS:001012854500029
- **Irina Titirică**, Florentina Netcu. 2022. The behavior of some highbush blueberry cultivars (*Vaccinium corymbosum* L.) on the sandy soils from South-West of Romania Vol. 52 Nr.1 (2022): Analele Universității din Craiova - Agricultură, Montanologie, Seria Cadastru. BDI- Open journal System, Google Scholar, Crossref, DOAJ. DOI: <https://doi.org/10.52846/aamc.v52i1.1357>
- **Irina Titirică**, Milica Dima, Georgeta Temocico, Claudia Nicola. 2022. Study of use sewage sludge compost as fertilizer on the sandy soil in a plum orchard. Rom Biotechnol Lett. 2022; 27(2): 3389-3397, BDI Indexare : Clarivate Analytics (SCIE, BIOSIS Previews), WorldWideScience, WorldCat, CiteFactor, Scipio, CABI, JournalGuide, LetPub https://rombio.unibuc.ro/wp-content/uploads/2022/05/007_Irina-Titirica.pdf
- Milica Dima, Aurelia Diaconu, Reta Drăghici, **Irina Titirică**, Alina Paraschiv, Florentina Netcu, 2022. Correlation between fresh mass and dry mass of some medicinal and aromatic plant species grown on sandy soils. Annals of the University of Craiova - Agriculture, Montanology, Cadastre Series, Vol. 52, Nr. 1/2022, p. 107-114, BDI- Open journal System, Google Scholar, Crossref, DOAJ, <https://doi.org/10.1234/aamc.v52i1.1322>
- Maria-Florentina Băjenaru, **Irina Titirică**, Iulian Rățoi. 2022. Research on the behavior of some vine cultivares with red grapes in the sandy soil area of South Oltenia. Analele Universității din Craiova, seria Agricultură –Montanologie –Cadastru (Annals of the University of Craiova -Agriculture, Montanology, Cadastre Series) Vol. 52/1/2022. BDI- Open journal System, Google Scholar, Crossref, DOAJ. DOI: <https://doi.org/10.52846/aamc.v52i1.1311>
- **Titirică Irina**, Dima Milica, Diaconu Aurelia, Paraschiv Alina-Nicoleta, Netcu Florentina. 2022. The use of compost obtained from sewage sludge, as fertilizer in a peach orchard. Fruit Growing Research, Vol. XXXVIII. (2022) DOI 10.33045/fgr.v38.2022.19 <https://publications.icdp.ro/publicatii/lucrari%202022/19.Titirica%20Irina.pdf>
- Netcu Florentina, **Titirică Irina**, Dima Milica, Băjenaru Maria, 2021. Preliminary results regarding the behavior of some currant cultivars on the sandy soils from the south of Oltenia. Analele Universității din Craiova, seria Agricultură – Montanologie – Cadastru (Annals of the University of Craiova - Agriculture, Montanology, Cadastre Series) Vol.51/1/2021 BDI Index,- Open journal System, Google Scholar, Crossref, DOAJ. <https://www.editurauniversitaria.ro/storage/publications/cuprins/ul9mwbSb3YeVkp49yg4cMMBL0.pdf>
- Monica Sturzeanu, **Irina Titirică**, Oana Hera, Cristina Mihăescu, 2020. The effect of temperature on pollen viability and germination capacity of some strawberry and blackberry cultivars, Curent Trends in Natural Sciences, vol. 9, Issue 18, pp. 12-19 BDI Index: Crossref, Google Scholar, SCPIO, Index Copernicus International, Index Copernicus Journal Master List., DOAJ - Directory of Open Access Journals CAB Abstracts EuroPub <https://natsci.upit.ro/media/2056/002sturzeanu-et-al.pdf>
- **Titirică I.**, Sestras A., Sturzeanu M., 2018. The study of some progenies (F1) from *Ribes* spp. Fruit Growing Research, Vol. XXXIV. ISSN 2286-0304, ISSN-L 2286-0304, BDI Index: CABI - Centre for Agriculture and Biosciences International (CABI), Scopus (Elsevier), URLICHSWEB, IndexCopernicus, DOAJ - Directory of Open Access Journals, Academic Journals Database, MediaFinder, TROVE - National Library of Australia, BDI CNCSIS, ISSN 2286-0304, ISSN-L 2286-0304 <https://publications.icdp.ro/publicatii/lucrari%202018/I.13.%20Titiric%C2%A6.pdf>
- Sestras Adriana, Militaru M., **Titirica**, Dan Cătălina, Andreacan A., Mitre V., Sestras R. 2018. Yield and response to the main diseases attack of pear cultivars and heritability of the traits. Indexare BDI: CAB International https://www.uaiasi.ro/revista_horti/files/Nr1_2018/13.%20Sestras%20Adriana.pdf
- Sturzeanu M., Călinescu M., Nicola C., **Titirică I.**, Ciucu M., 2018. Study of new strawberry selections from the Romanian strawberry breeding programme. Fruit Growing Research, Vol. XXXIV. ISSN 2286-0304, ISSN-L 2286-0304, DOI 10.33045/fgr.v34.2018.11 BDI Index: CABI - Centre for Agriculture and Biosciences International (CABI), Scopus (Elsevier), URLICHSWEB, IndexCopernicus, DOAJ - Directory of

- **Irina Titirică**, Florentina Netcu, Cristina Birsoghe, Ioana Roman 2023. The performance of the persimmon grown in the southern of Romania. Scientific Papers. Series B, Horticulture. Vol. LXVII, No. 2, 2023 Print ISSN 2285-5653, CD-ROM ISSN 2285-5661, Online ISSN 2286-1580, ISSN-L 2285-5653. Web of Science Core Collection (Index de citare a surselor emergente - THOMSON REUTERS) <http://mjl.clarivate.com/cgi-bin/jrnlst/lresults.cgi?PC=MASTER&ISSN=2285-5653>
- Iurea, E., Sîrbui, S., Corneanu, M., Butac, M., **Titirica, I.**, Militaru, M., 2019. Assessment of Some Sweet Cherry Cultivars in Comparison with Their Genitors under the Conditions of the North-Eastern Area of Romania. Not Bot Horti Agrobo, 2019, 47(1):xxx-xxx. DOI:10.15835/nbha47111240 . Print ISSN 0255-965X; Electronic 1842-4309. cotată în Web of Science Core Collection <https://notulaeobotanicae.ro/index.php/nbha/article/view/11240>, WOS:000453580400026

2. Expertise gained in research projects:

In International Projects as manager and researcher

- Bilateral project Romania –Moldavia Republic. Berry. 2013-2014, **project leader**
- România –Spania Berry-Agreem breeding experimentation and commercial introduction of berry cultivars, director de program, 2017-2021, unitatea finantatoare: SOCIEDAD COOPERATIVA ANDALUZA AGROMOLINILLO-SPAIN, Contract nr. 1504/11.05.2017, **project leader**
- INTERBERRY 1587: Interdisciplinary integrated study for improvement of the quality of berries and for the design of new products with high added value” (Italy- Romania- Poland), researcher; 2005-2008.
- FP6-AGRI GEN RES 036 – Acronim : GENBERRYAGRY -2006-0392: European small berries genetic resources employee researcher; 2005-2008
- COST Action 863 Euroberry Research: from Genomics to Sustainable Production, Quality and Health ; researcher; 2009.
- Bilateral project Romania- Belarus Republic. Identification and selection of new sources of diseases resistance and fruit quality for apple and pear breeding programs. Researcher 2011-2013.

In National Projects as manager and researcher:

- ADER 6.3.2 "Contributions to the efficiency of natural resources in areas subject to aridification by introducing some exotic plant species into culture"contract nr. 632/13.07.2023, 220.000 euro, 2023-2026 **project leader**.
- PN-II-IN-CI -2013 -1- 0050. Implementation of the technology cultivation of new blueberry cultivars on nutritional substrates with low intake of peat;, 2013-2014. **project leader**
- ADER 3.2.1. Cercetări asupra structurii populațiilor hibride a eredității caracteristicilor și a determinismului genetic la speciile pomicele, director de proiect, 2015-2018, unitatea finantatoare MADR, Contract nr 3.2.1/16.10.2015, valoare 862.850 lei= 172.570 euro, **project leader** <https://www.madr.ro/docs/cercetare/2019/rezultate-finale-2015-2018/ADER-3.2.1-faza-finala.pdf>
- PN-III-CERC-CO-CI-2017-0041. "Implementation of the raspberry propagation technology from root cuttings, for efficient exploitation of mother plants nuclear stock, 2017-2019 , Contract nr. 107CI/2017 = 11.111 euro, **project leader** <https://icdp.ro/cercetare/proiecte-nationale/proiect-ci-107/informatii-utile/>
- PS 6.3.3. Efficient capitalization of natural mountain resources by achievement of specific traditional products; Project leader for partner 1-ICDP; 2008-2009.
- AGRAL nr. 163- Modern systems for the small fruits propagation of valuable genotypes for the establishing of ecological plantings in the unfavourable agricultural areas; researcher, period: 2004-2005
- RELANSIN 1922- New horticultural products for the human health by the using in the sustainable growing systems of the high phototherapeutic small fruits genotypes; researcher; 2005-2006.
- CEEX no.76 - The food safety on the fruits and the vegetables chain production and processing; researcher, member in the team; 2005-2008
- CEEX no.20 - Sustainable Fruit Tree Growing - from genotype to environment protection and human health; researcher; 2005-2008.
- AGRAL no. 294- Research on planting material production technology for establishing organic fruit plantations; researcher; 2004-2006

- CEEEX no.93. - The extension of the preservation duration of the perishable fruits and highly perishable and the management of the risk; researcher; 2005-2008
- CEEEX no.50- Advanced technologies and facilities for drying of the fruits and vegetables specific to Romania, to obtain dried products under EU rules; researcher; 2005-2008.
- P.S. 320. Maintaining and enhancing biodiversity and improving the quality of genetic resistance to the factors biotic and abiotic at the cultivars trees and shrubs, in the specific geographic areas; researcher; 2006-2010
- PC. 52-153 Technological systems and assortments in the sustainable fruit systems for highbush blueberry, primocane-fruited raspberry and black currant; employee researcher; 2008-2011.
- CNCSIS 63GR The determinism of the morphological, physiologically and biochemical factors concerned in the vegetative of multiplication for some rootstocks and promising selections of stone species ,researcher 2007-2008
- PC. 52-142. " The genetic potential improving and complex characterization of the biotypes from the plant future group, with impact on environment and sustainable development in fruit growing; employee researcher; 2008-2011
- PC. 51-059. The assessment of potential impacts of climate change on agroclimatic potential of Romania for fruit production; researcher; 2007-2010
- PC-51-028 Increase economic efficiency through in the fruit fresh valorification and the management of the risk post-harvest factors the life storage optimization and marketing strategies; researcher; 2007-2010
- ADER 1.1.8. „Collecting, preserving and utilization of the autochthonous genetic biodiversity for working out integrated strategies used in breeding of the fruit species" 2011-2014

3. The memory of the activity

I attended the undergraduate courses at the University of Pitesti, Faculty of Sciences, in the period 1999-2004, completed with the diploma of diplomatic engineer. In the period 2004-2010, I attended the PhD courses at the University of Agronomic Sciences and Veterinary Medicine, Bucharest, Horticulture field, under the scientific supervision of Mr. CS I IANCU MIHAIL, with the theme "Research on the improvement of the nutritional regime for some new blueberry varieties created in Romania".

During my professional training, I attended specialized courses, such as: "Modernization of the Romanian fruit production chain" (Wagenigen University and Research; 2016-2017); "International Berry School (IBSS) - Genetic approaches for improving berry adaptability and nutritional quality" (2009, Politecnica dele Marche University, Bologna– Italy).

After completing the faculty, I was employed at the and Research Institute for Fruit Growing, Pitesti - Mărăcineni, following the professional ranks from scientific research assistant (2004-2006), to Scientific Researcher (2006-2010), Scientific Researcher gr. III, laboratory manager (2010-2017) and Scientific Researcher gr. II, laboratory head (2017-2019).The main activities concerned the evaluation, improvement and selection of berries, assortment study, conservation and evaluation of genetic resources, technologies for berries propagation, technologies for improving the blueberry nutrition regime.

Since 2019, I am employed as a Scientific Researcher gr. II at the Dăbuleni Research-Development Station for Plant Culture on Sands. The main activity is focused on the evaluation and selection of the assortment of fruit trees and berries suitable for growing in sandy soils, improvement and conservation of genetic resources, breeding, technologies for exotic fruit trees species.

Following the research carried out, I was the author and co-author of 18 books, I published 88 scientific articles in international databases, 14 of which they were quoted and indexed by web of science platform, I am also, author and the co-author of 8 patents.

March, 2025

Ph.D. Titirică Irina

Research scientist I