



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) SFÎRLOAGĂ LOREDANA MIRELA
Address(es) Aurel Vlaicu Street No. 24, Dăbuleni, Romania
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Fax(es)
E-mail ditaloredanamirela@yahoo.com
Nationality romanian
Date of birth 31.01.1985
Gender femele

Desired employment / Occupational field

Work experience

Dates 2008 - 2015:
Occupation or position held Biology teacher in secondary and high school education;
Main activities and responsibilities
Name and address of employer
Type of business or sector
Dates 2017 - Present
Occupation or position held Scientific researcher III at SCDCPN Dăbuleni
Main activities and responsibilities Improvement and promotion of vegetable plants, assessment of germplasm collection, improvement of technologies for propagation and cultivation of horticultural species.
Name and address of employer Research and Development Station for Plant Culture on Dăbuleni Sands
Phone:+40251334402 Fax.:+40251334347
Type of business or sector Research and Development

Education and training

Dates 11.2019-06.2023
Title of qualification awarded Ph.D. Diploma in Biology
Principal subjects/occupational skills covered Biology
Name and type of organisation providing education and training Institute of Biology of the Romanian Academy Bucharest
Level in national or international classification (remove if not relevant, see instructions)
Dates 2008-2009
Title of qualification awarded Master of Environmental Science

Principal subjects/occupational skills covered: Environmental Science

Name and type of organisation providing education and training: Faculty of Environmental Science, BABEȘ - BOLYAI "University of Cluj – Napoca

Level in national or international classification: High graduate

Dates: 2004-2008

Title of qualification awarded: Diploma of license

Principal subjects/occupational skills covered: Biology

Name and type of organisation providing education and training: Faculty of Sciences, "LUCIAN BLAGA" University of Sibiu

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: - good communication and organizational skills;
- punctuality, responsibility, self-control;
- team spirit;
- the availability to work overtime and to travel for work and outside the town.

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: Yes

Additional information

Annexes: 1. List of publications.

Experience gained in national programs

Program/project	Function	Period: from....to...
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<p>ADER 7.2.1. Enriching the vegetable gene pool by obtaining biological creations intended to obtain varieties and hybrids from the Solanaceae family, tomatoes, peppers, plantains, eggplants.</p>	Responsible for the project	2019 - 2022
<p>ADER 4.1.1. Obtaining new potato varieties with superior response capacity to abiotic and biotic stress by using the genetic determinism of some tolerance characters.</p>	Collaborator	2019 - 2022
<p>ADER 7.2.5. The improvement and diversification of the germplasm of some vegetable crops intended for food products, in order to increase the productivity and quality of the harvest, the adaptability to biotic and abiotic stress factors.</p>	Collaborator	2019 - 2022
<p>ADER 7.3.15. Establishing the measures and means of integrated prevention and control of the pest <i>Tuta absoluta</i>, the mining moth in tomato crops in protected areas.</p>	Collaborator	2019 - 2022
<p>Project 1746 Maintenance of varietal purity and seed production of vegetable plant cultivars for which SCDCPN Dăbuleni is the maintainer.</p>	Project director	2018 - 2022
<p>Project 1738 Creation and promotion of genotypes tolerant to heat and water stress, in some vegetable plant species.</p>	Collaborator	2018-2022
<p>Project 1739 Promotion of medicinal and aromatic plant species in areas with arid climate in the south of Oltenia.</p>	Collaborator	2018-2022
<p>ADER 3.3.6. Evaluation and conservation of vegetable germplasm sources tolerant to thermal and water stress, with a view to their use in breeding programs.</p>	Collaborator	2015-2018
<p>Complex Project no. 9PCCDI/2018 "Complex system for the integral utilization of some agricultural species with energy and food potential."</p>	Collaborator	2018-2020
<p>Complex Project 27PCCDI/2018: "Innovative technologies for irrigating crops in arid, semi-arid and sub-humid-</p>	Collaborator	2018-2020

dry climate conditions."		
Project 1.1.3. Conservation and use of germplasm resources in the improvement of garden pea, garden bean, tomato, long pepper, bell pepper grown on sandy soils	Project director	2023-2027
ADER 5.1.3. Identification and promotion of some technological measures in order to make better use of the production obtained from the sweet potato - <i>Ipomoea batatas</i> cultivated in Romania, in order to obtain products rich in nutrients and safe for consumers.	Collaborator	2023-2027
ADER 6.3.2. Contributions to the efficiency of natural resources in areas subject to aridification by introducing exotic plant species into culture.	Collaborator	2023-2027
ADER 1.1.6. Research on the identification/creation of sunflower genotypes, with superior morphological characteristics, with complex resistance to adverse environmental factors, with a high degree of attractiveness for bees, suitable for cultivation in different sustainable agriculture systems, for a healthy diet.	Collaborator	2023-2027
ADER 5.2.2. Research on the development of modern technologies for the introduction into culture of valuable species of medicinal and aromatic plants, in the context of supporting agroecosystems in accordance with the EU Biodiversity Strategy, to ensure the economic efficiency of traditional farms.	Collaborator	2023-2027
PROJECT 2.1.1. Perfecting the technologies for growing vegetable plants in view	Collaborator	2023-2027

of the efficient use of sandy lands (open field and protected spaces)		
ADER 6.3.14. Research on the development of innovative cultivation technologies in the production of rootstocks and vine seedlings	Project director	2023-2027

LIST OF PUBLICATIONS

1. Pintilie Ioan, **Diță (Sfîrloagă) Loredana Mirela**, 2017, *Variability of the main quantitative characters of the tomato variety Romec 554j*. Annals of the Research and Development Station for Plant Culture on Sands Dabuleni, Editura Sitech, Craiova, VOL. 21-2017, pag. 102-108.
2. **Sfîrloagă Loredana Mirela**, Diaconu Aurelia, Dima Milica, Novac Mihaela Gabriela, Croitoru Mihaela, 2018, *Preliminary results on the culture of zucchini pattison (Cucurbita pepo patissoniana) on sandy soils in southern Oltenia*, Annals Of The University Of Craiova Series: □□ Biology □ Horticulture Food produce processing technology Vol. XXIII (LIX) – 2018, p.223-227.
3. **Sfîrloagă Loredana Mirela**, Pintilie Ioan, Novac Mihaela-Gabriela, 2018, *Variabilitatea principalelor caractere cantitative la soiul de mazăre de grădină Ișalnița 60/Variability of the main quantitative characters at the Ișalnița 60 green pease variety*, Annals of the Research and Development Station for Plant Culture on Sands Dabuleni, Editura Sitech, Craiova, VOL.22-2018, pag.92-100.
4. Novac Mihaela-Gabriela, Pintilie Ioan, **Sfîrloagă Loredana Mirela**, 2018, *Variabilitatea principalelor caractere cantitative la soiul de fasole pitică de grădină Ișalnița 43/Variability of the main quantitative characters at the Ișalnița 43 garden dwarf bean variety*, Annals of the Research and Development Station for Plant Culture on Sands Dabuleni, Editura Sitech, Craiova, VOL.22-2018, pag.64-74.
5. **Sfîrloagă Loredana Mirela**, Croitoru Mihaela, Dima Milica, 2019, *Results preliminary concerning the behavior of varieties of okra (hibiscus esculentus) on the sandy soils of south Oltenia*, Analele Universității din Craiova, seria Agricultură – Montanologie – Cadastru (Annals of the University of Craiova - Agriculture, Montanology, Cadastre Series) Vol. XLIX/2019, pag. 127-130.
6. Diaconu A., Rățoi I., Nanu Șf., Croitoru M., Drăghici R., Ciuciuc E., Drăghici I., Dima M., Pintilie I., Enache V., Paraschiv A., **Sfîrloagă L.**, Coteș Ghe, 2019, „**6 Decenii de cercetări privind cultura plantelor pe nisipuri**”, editura Sitech, Craiova. ISBN 978-606-11-7015-9.
7. Diaconu Aurelia, Nanu Ștefan, Rățoi Iulian, Croitoru Mihaela, Drăghici Reta, Ciuciuc Elena, Drăghici Iulian, Dima Milica, Pintilie Ioan, Paraschiv A lina Nicoleta, Coteș Gheorghe, **Sfîrloagă Loredana Mirela**, 2019- **Aniversare SCDCPN Dăbuleni- PUNTE PESTE GENERAȚII-** Editura Sitech, Craiova, ISBN 978-606-11-7259-7.
8. **Sfîrloagă Loredana Mirela**, Pintilie Ioan, Diaconu Aurelia, Nanu Ștefan, 2020, *Variability of the main quantitative characteristics of the Romec 554j tomato variety*, Annals Of The University Of Craiova, Series: Biology Horticulture Food products processing technology Environmental engineering, Vol. XXV (LXI) – 2020, pag. 526-531.
9. **Sfîrloagă Loredana Mirela**, Ardelean Ioan, Diaconu Aurelia, Croitoru Mihaela, 2020, *Increasing the chemical parameters of soil and physiological characteristics of the tomatoes Romec 554j variety by extraradicular treatments with the inoculum of cyanobacteria and microalgae*. Muzeul Olteniei Craiova. Oltenia. Studii și comunicări. Științele Naturii. Tom. 36, No. 1/2020, pag. 37-44.
10. Ciuciuc Elena, Pintilie Ioan , **Sfîrloagă Loredana Mirela**, 2020, *The assessment of genetic resources used in improvingtomatoes in the climatic conditions from 2020 year*, Annals Of The University Of Craiova, Series: Biology Horticulture Food products processing technology Environmental engineering, Vol. XXV (LXI) – 2020, pag. 57-63.
11. **Sfîrloagă Loredana Mirela**, Pintilie Ioan, Ciuciuc Elena, Nanu Ștefan, 2020 *Variabilitatea principalelor caractere cantitative ale soiului de pepene galben Dăbuleni 60 (L-D 14) / Variability of the main quantitative characters of the melon variety Dăbuleni 60 (L-D 14)*, Analele Stațiunii de Cercetare Dezvoltare pentru Cultura Plantelor pe Nisipuri Dăbuleni, Vol. 23. ISSN: 2360-0829 ISSN L: 2360-0829, pag.112-119
12. Nanu Ștefan, **Sfîrloagă Loredana**, Paraschiv Alina-Nicoleta, Iamandei Maria, 2020 *Cercetări privind monitorizarea și combaterea atacului de Tuta absoluta la tomatele cultivate în spațiile protejate – rezultate preliminare / Research on monitoring and combating the attack of Tuta absoluta on tomatoes cultivated in protected spaces - preliminary results*,

13. Dima Milica, Diaconu Aurelia, Drăghici Reta, Croitoru Mihaela, Ciuciuc Elena, **Sfirloagă Loredana**, 2020 *Cercetări privind influența unor îngrășăminte foliare aplicate la Hyssopus officinalis cultivat pe solurile nisipoase / Research on the influence of foliar fertilizers applied to Hyssopus officinalis grown on sandy soils*, Analele Stațiunii de Cercetare Dezvoltare pentru Cultura Plantelor pe Nisipuri Dăbuleni, Vol. 23. ISSN: 2360-0829 ISSN L: 2360-0829, pag. 13-18.

14. **Sfirloagă Loredana-Mirela**, Nanu Ștefan, Ciuciuc Elena, Șerban Diana-Maria, 2021. *Variability of the main characters at the Isalnita 43 garden dwarf bean variety in the process of conservative selection*, 17th Annual meeting "DURABLE AGRICULTURE – AGRICULTURE OF THE FUTURE" 18th November, Craiova, ROMANIA.

15. Nanu Ștefan, Paraschiv Alina-Nicoleta, **Sfirloagă Loredana Mirela**, Iamandei Maria, 2021. *Study on monitoring and combating the attack of Tuta absoluta on tomatoes cultivated in protected spaces in south Romania*, 17th Annual meeting "DURABLE AGRICULTURE – AGRICULTURE OF THE FUTURE" 18th November, Craiova, ROMANIA.

16. Ciuciuc Elena, Pintilie Ioan, **Sfirloagă Loredana Mirela**, Șerban Maria Diana, 2021 *Study of the variability of the main quantitative characters of some homozygous advanced tomato lines*, ANNALS OF THE UNIVERSITY OF CRAIOVA, Biology, Horticulture, Food products processing technology, Environmental engineering, Vol. XXVI (LXII) - 2021.

17. Dima Milica, **Sfirloagă Loredana Mirela**, Diaconu Aurelia, Drăghici Reta, Drăghici Iulian, Croitoru Mihaela, Paraschiv Alina Nicoleta, 2021 *Research on the nutrition system for jerusalem artichoke grown on sandy soils*, Journal "Scientific Papers Series Management, Economic Engineering in Agriculture and Rural Development", Vol.21(3)2021.

18. Ana Valentina Ardelean, Ioan Ardelean, **Loredana Mirela Sfirloagă**, Călina Petruța Cornea, 2021, *Some biotechnological applications of cyanobacteria and green microalgae* Scientific Bulletin. Series F. Biotechnologies, Vol. XXV, No. 1, ISSN 2285-1364, CD-ROM ISSN 2285-5521, ISSN Online 2285-1372, ISSN-L 2285-1364.

19. **Loredana-Mirela Sfirloagă**, Mihaela Croitoru, Aurelia Diaconu, Alina-Nicoleta Paraschiv, Ioan Ardelean, 2021, *Photosynthetic inoculants for promoting seed germination and development of tomato plants/ Inoculanții fotosintetici pentru promovarea germinării semințelor și dezvoltării plantulelor de tomate* 14th edition of the International Scientific Symposium Current Trends in Natural Sciences, organized by University of Pitesti, Romania.

20. **Sfirloaga, L.M.**, Croitoru, M., Diaconu, A., Nanu, Ș., Ardelean, I. (2022). *The effect of Chlorella sorokiniana UTEX 1230 as a biofertilizer on tomato culture Romec 554j variety cultivated on sandy soils at RDSPCS Dăbuleni*. Current Trends in Natural Sciences, 11(21), 428-439. <https://doi.org/10.47068/ctns.2022.v11i21.047>

21. **Sfirloagă, L.M.**, Nanu Ș. (2022). *The behavior of some pepper genotypes in sandy soil conditions in southern Oltenia*. Vol. 52 No. 1 (2022): *Annals of the University of Craiova - Agriculture, Montanology, Cadastre Series* <https://anale.agro-craiova.ro/index.php/aamc/article/view/1354>

22. **Sfirloagă, L.M.**, Nanu, Ș., Diaconu, A., Șerban, M.D., Băjenaru M.F., Bîrsoghe, C., Frătuțu, F., Dima, M. (2022). *The behavior of some tomato genotypes under conditions of thermo-hydric stress in the area of sandy soils*. ANNALS OF THE UNIVERSITY OF CRAIOVA, Biology, Horticulture, Food products processing technology, Environmental engineering, 27(63).

23. Nanu, Ș., Paraschiv, A.N., Frătuțu F.C. and **Sfirloagă, L.M.** (2022). *Evaluation of the D19 pumpkin genotype (Cucurbita maxima L.), under the conditions of cultivation on the sandy soils of the southwest of Oltenia*. Romanian Journal of Horticulture, Volume III, 2022: 99-104, On line ISSN 2734 – 8083, PRINT ISSN 2734 – 7656, DOI 10.51258/RJH.2022.11.

24. Frătuțu F.C., Nanu*, Ș., Diaconu, A., **Sfirloagă, L.M.**, Șerban, M.D., (2022) *The study of the physico-chemical characteristics of pumpkin seeds (Cucurbita maxima Duch.) cultivated in the south of Oltenia*. Analele Universității din Craiova, seria Agricultură – Montanologie – Cadastru Vol. 52/1/2022.

25. Bîrsoghe, C., Nanu, Ș., Diaconu, A., Paraschiv, A.N., **Sfirloagă, L.M.**, Băjenaru, M.F., Șerban, M.D., Dima, M. (2022) *Research on the behavior of some genotypes of garden beans on the sandy soils of southern Oltenia*. Vol. 27 No. 63 (2022): ANNALS OF THE UNIVERSITY OF CRAIOVA, Biology, Horticulture, Food products processing technology, Environmental engineering.

26. Nanu, Ș., Paraschiv, A.N., **Sfirloagă, L.M.**, Aurelia Diaconu, A., Frătuțu, F., Ciuciuc, E., Băjenaru, M.F., Bîrsoghe, C., Șerban M. (2022) *The evolution of the watermelons culture over time*. Vol. 27 No. 63 (2022): ANNALS OF THE UNIVERSITY OF CRAIOVA, Biology, Horticulture, Food products processing technology, Environmental engineering.

27. Băjenaru, M.F., Diaconu, A., Nanu, Ș., Bîrsoghe, C., Paraschiv, A., **Sfirloagă, L.**, Dima, M., Rățoi, I. (2022) *The behavior of some vine varieties with white grapes in the ampelographic collection of SCDCPN Dăbuleni*. Vol. 27 No. 63 (2022): ANNALS OF THE UNIVERSITY OF CRAIOVA, Biology, Horticulture, Food products processing technology, Environmental engineering.

28. **Sfirloagă, L.M.**, Nanu, Ș., Iliana, M.D., Frătuțu, F. (2022) *Comportarea genotipului de tomate L-11/53 în condițiile solurilor nisipoase de la SCDCPN Dăbuleni*. Analele Stațiunii de Cercetare-Dezvoltare pentru Cultura Plantelor pe Nisipuri Dăbuleni, Volumul 25/2022.

29. Iliana, M.D., Nanu, Ș., **Sfirloagă, L. M.**, Frătuțu, F. C., Bîrsoghe C., Băjenaru M. F., Coteț, Ghe. (2022) *Studiul variabilității principalelor caractere cantitative ale unor hibrizi de tomate pentru consum în stare proaspătă pe solurile*

- nisipoase de la SCDCPN Dăbuleni. Analele Stațiunii de Cercetare-Dezvoltare pentru Cultura Plantelor pe Nisipuri Dăbuleni, Volumul 25/2022.*
30. Nanu, Ș., Diaconu, A., Ciuciuc, E., Toma, V., Paraschiv, A.N., **Sfirloagă, L.**, Frătuțu, F.(2022). *Cercetări privind cultura pepenilor verzi la SCDCPN Dăbuleni. Analele Stațiunii de Cercetare-Dezvoltare pentru Cultura Plantelor pe Nisipuri Dăbuleni, Volumul 25/2022.*
- 31.**Sfirloagă, L.**, Nanu, Ș., Frătuțu, F., & Ilina, M. D. (2023). *Research on the behavior of the long pepper genotype 'Bogdan'(Capsicum annuum l.) in sandy soil conditions at Dăbuleni RDSPCS. " Annals of the university of Craiova-Agriculture Montanology Cadastre Series", 53(1), 278-283.*
32. **Sfirloagă, L.**, Nanu, Ș., Diaconu, A., Frătuțu, F., Ilina, D. (2023) *The behavior of the long pepper genotype 'L-28' (Capsicum annuum L.) in pedo-climatic conditions from Dăbuleni RDSPCS The IX South-Eastern Europe Symposium on Vegetables and Potatoes, Accepted for publication in Acta Horticulturae;*
33. Nanu, S., Paraschiv, A.N., Iamandei, M., **Sfirloagă, L.M.**, Bîrsoghe, C., Ilina, M.D., Frătuțu, F., Băjenaru, M. (2023) *Evaluation of the effectiveness of some protection products against the Tutaabsoluta pest in tomato crops from southern Romania, The IX South-Eastern Europe Symposium on Vegetables and Potatoes, Accepted for publication in Acta Horticulturae.*
- 34.Nanu **S.**, Frătuțu F. C., Paraschiv, A.N., **Sfirloagă L.M.** (2023) *The behavior of some watermelon cultivars (Citrullus lanatus (Thunb.) Matsum. et. Nakai) in the pedo-climatic conditions of southwestern Romania, The IX South-Eastern Europe Symposium on Vegetables and Potatoes, Accepted for publication in Acta Horticulturae.*
- 35.Frătuțu, F., Nanu, S., **Sfirloagă, L.**, Ilina, D. (2023) *Physico-chemical characteristics of pumpkin fruits (Cucurbita maxima Duch.) cultivated on sandy soils at Dăbuleni RDSPCS Scientific Papers. Series B, Horticulture.*
- 36.Frătuțu, F., Ștefan, Nanu., **Sfirloagă, L.**, & Ilina, D. (2023). *The behavior of some melon cultivars (Cucumis melon) on the sandy soils from SCDCPN Dăbuleni. " Annals of the University of Craiova-Agriculture Montanology Cadastre Series", 53(1), 135-140.*
- 37.**Sfirloagă Loredana-Mirela**, Nanu Ștefan, Frătuțu Felicia-Constantina, Ilina Maria-Diana (2023) *Comportarea genotipului de ardei gras (Capsicum Annuum L. Var. Grossum) Ișalnița 85 V în condițiile solurilor nisipoase de la SCDCPN Dăbuleni, Analele SCDCPN Dăbuleni, Volumul 26/2023.*
38. Ilina Maria-Diana, Nanu Ștefan, **Sfirloagă Loredana Mirela**, Frătuțu Felicia Constantina (2023). *The behavior of the Alexandra plants variety through temporary protection and mulching in sandy soil conditions at SCDCPN Dăbuleni, Analele SCDCPN Dăbuleni, Volumul 26/2023.*
39. Frătuțu Felicia-Constantina, Nanu Ștefan, **Sfirloagă Loredana- Mirela**, Ilina Maria-Diana, Ciuciuc Elena, Toma Vasile (2023). *Research regarding the grafting of watermelons, Analele SCDCPN Dăbuleni, Volumul 26/2023;*
40. **Sfirlogă, L.M.**, Nanu, Ș., Diaconu, A., Frătuțu, F. and Ilina, D.M. (2024). *The behavior of the Romec 554j tomato genotype (Lycopersicon esculentum Mill.) on the sandy soils of SCDCPN Dăbuleni. European Horticulture Congress 12-16 May 2024 Bucharest, Romania Accepted for publication in Acta Horticulturae.*
41. Frătuțu, F., Nanu, Ș., Bîrsoghe, C., & **Sfirlogă, L.** *The behavior of some melon genotypes (Cucumis melo L.) grown on sandy soils from SCDCPN Dabuleni. https://horticulturejournal.usamv.ro/pdf/2024/issue_1/Art55.pdf Scientific Papers. Series B, Horticulture. Vol. LXVIII, No. 1, 2024.*
- https://horticulturejournal.usamv.ro/pdf/2024/issue_1/Art55.pdf
42. **Sfirlogă, L. M.**, Nanu, Ș., Ilina, M. D., & Frătuțu, F. (2024). *The genetic variability in tomato genotypes L-11/53 and V 5 grown in protected spaces. Annals of the University of Craiova, Biology, Horticulture, Food products processing technology, Environmental engineering, 29(65).*
- [https://anale-horticultura.reviste.ucv.ro/index.php/bihpt/article/view/176,](https://anale-horticultura.reviste.ucv.ro/index.php/bihpt/article/view/176)
- DOI: <https://doi.org/10.52846/bihpt.v29i65.176>
43. Ilina, M.D., Nanu, Ș., *Sfirloaga, L.M.*, Frătuțu, F.C. (2024). *Variability of the main quantitative characters in the garden pea variety Ișalnița 60 in sandy soil conditions from RDSPCS Dăbuleni. Annals of the University of Craiova Agriculture, Montanology, Cadastre Series Vol. 54/1/2024;*
- <https://anale.agro-craiova.ro/index.php/aamc/article/view/1549>
- DOI: <https://doi.org/10.52846/aamc.v54i1.1549>
44. Felicia-Constantina Frătuțu, Ștefan Nanu, **Loredana Mirela Sfirloaga**, Cristina Bîrsoghe, Diana Maria Ilina (2024) *The behavior of some watermelons hybrids in pedoclimatic condition from SCDCPN Dăbuleni, Annals of the University of Craiova Agriculture, Montanology, Cadastre Series Vol. 54/1/2024; DOI:<https://doi.org/10.52846/aamc.v54i1.1547>*
45. **Sfirloagă Loredana Mirela**, Nanu Ștefan, Diaconu Aurelia, Ilina Diana Maria, Frătuțu Felicia (2024) - *Study of some cherry tomato genotypes at SCDCPN Dăbuleni, Annals of SCDCPN Dăbuleni, Volume 27/2024;*
46. Frătuțu Felicia- Constantina, Nanu Ștefan, **Sfirloagă Loredana Mirela**, Bîrsoghe Cristina, Ilina Maria-Diana (2024) - *Behavior of some watermelon hybrids in the pedoclimatic conditions at SCDCPN Dăbuleni, Annals of SCDCPN Dăbuleni, Volume 27/2024;*
47. Ilina Maria-Diana, Nanu Ștefan, Băjenaru Maria Florentina, **Sfirloagă Loredana Mirela**, Bârsoghe Cristina, Frătuțu Felicia Constantina (2024) - *Research on the production and quality of some white grape varieties for white wines in the sandy soil area of southern Oltenia, Annals of SCDCPN Dăbuleni, Volume 27/2024;*
48. **Loredana Mirela Sfirloagă**, Ștefan Nanu, Aurelia Diaconu, Felicia Constantina Frătuțu, Diana-Maria Ilina (2024) -

Tomato variety "ROMECA 554 J". Scientific Research Offer for Technology Transfer in Agriculture, Food Industry and Forestry, Vol.XXVII, 2024. Ceres Publishing House, ISSN 1844-0355 (accepted for publication);
49. Maria Diana ILINA, Ștefan NANU, **Loredana Mirela SFÎRLOAGĂ**, Felicia Constantina FRĂTUȚU (2024) - *Behavior of the garden pea variety "Ișalnița 60" in the conditions of sandy soils in southern Oltenia*. Scientific Research Offer for Technological Transfer in Agriculture, Food Industry and Forestry, Vol.XXVII, 2024. Ceres Publishing House, ISSN 1844-0355 (accepted for publication).

The memory of the activity

The undersigned Sfirloaga Loredana Mirela, born in Bechet, on 31.01.1985, attended primary school and secondary school at the General School with classes I-VIII No. 2. Dăbuleni. In 2004, I graduated from the "C-tin Brâncoveanu" Theoretical High School in Dăbuleni, majoring in philology. In the period 2004-2008 I attended the courses of the "Lucian Blaga" University of Sibiu, Faculty of Sciences, majoring in Biology. Also in the period, 2004-2008, I attended the courses of the "Lucian Blaga" University of Sibiu, Faculty of Sciences, majoring in Ecology and environmental protection. In 2009, I graduated from the Master's courses at "Babeș Bolyai" University in Cluj-Napoca, Faculty of Environmental Science, specialization in Environmental Science. Throughout my university studies, I attended the courses of the Department for the Training of Teaching Staff.

In the fall of 2008, I started teaching. In the 2008-2009 school year, I worked as a substitute biology teacher at General School No. 3 with cls. I-VIII Dăbuleni. In the school years 20011-2013, I worked as a substitute biology teacher at General School No. 1 with classes I-VIII, Bolintin Deal, Giurgiu county. In the 2013-2014 school year, I taught at the "Dimitrie Bolintineanu" High School in Bolintin Vale, Giurgiu county. In 2014, I enrolled at Secondary School No. 1, with cls. I-VIII Găiseni, Giurgiu county.

During my teaching activity, I created a favorable educational climate, promoting the newest and most effective teaching methods, intended to contribute to the acquisition and consolidation of skills and abilities, the use of terms and information specific to biology.

I have rigorously studied and interpreted the new guidelines within the curriculum area "Mathematics and Natural Sciences", elaborating assessment sheets for each level of study separately.

We organized meditations for the students who recorded poorer results in the learning process, in order to recover them, aspects reflected in the pass percentage in the Biology discipline.

We offered additional consultations to the students who showed increased abilities for the study of biology, in order to present them at school competitions and Olympiads.

I gave open lessons at the school level, within the curricular areas, as well as at Methodical Circles.

At General School No. 1 Găiseni I prepared and taught an optional for the 5th grade on the subject of HEALTH EDUCATION, approved by ISJ Giurgiu, an optional that enjoyed success and continuity for several years, and at General School No. 3 I prepared and taught an optional for the 3rd and 4th grades on "Ecology and environmental protection".

In June 2017, I participated in the competition for the position of research assistant in the field of horticulture, organized by S.C.D.C.P.N. Dăbuleni, being declared admitted.

Since July 2017, I have been employed as a research assistant at the Research and Development Station for Plant Culture on Dăbuleni Sands and I have worked in the "Plant Improvement and Seed Production" collective.

In 2018, I took and passed the scientific researcher exam in the specialty "Plant Breeding and Seed Production".

In 2019, I was enrolled as a doctoral student, in the field of Biology through the School of Advanced Studies of the

Romanian Academy, hereinafter referred to as SCOSAAR Bucharest Institute of Biology.

Within the group of researchers from SCDCPN Dăbuleni, I specialized in the field of vegetable cultivation on sandy soils. In 2021, I took and passed the third degree scientific researcher exam in the specialty "Plant Breeding and Seed Production", and in 2023 I took and passed the Doctorate exam in the field of Biology through the School of Advanced Studies of the Romanian Academy, hereinafter referred to as SCOSAAR Institute of Biology Bucharest.

The research activity in the field of improvement and seed production on sandy soils aimed at the following aspects:

- the study of the behavior of the biological material in the conditions of sandy soils in order to select the parents used in the improvement process;
- the creation of new genotypes of leguminous species through the use of hybridization and selection, characterized by earliness, productivity;
- the culture behavior of some genotypes of autochthonous leguminous species in order to recommend the most productive ones that effectively capitalize on the eco-pedological conditions of the sandy soil area;
- studies on maintaining the biological purity of the seed in the varieties of garden peas *Adela* and *Ișalnița 60*, dwarf garden beans *Ișalnița 43*, tomatoes *Romec 554j* through conservative selection.

The researches followed several cycles of experimentation in order to establish both the degree of adaptability of this culture in the area where the researches were carried out, as well as to identify the most suitable varieties and lines that achieved special productions.

We followed the behavior of tomato, pepper genotypes and bean and tomato lines in culture and found that most of the studied varieties and lines achieved high production increases.

In order to create new varieties, we carried out hybridization and selection works.

In order to obtain certified seed, we followed the verification of the genetic purity of the seed for the local pea, bean, tomato, and pepper varieties.

In parallel with the breeding research, research was also carried out on some important technological links for the establishment of an appropriate cultivation technology for this area. The optimal doses of fertilization, the optimal time to sow, the most effective herbicides in combating weeds have been established.

As part of the scientific research activity, I tried to apply everything that is new in scientific research within the themes and experiences studied, so that the results obtained can be generalized in production.

March, 2025

PhD biologist Sfirloagă Loredana Mirela,
Scientific researcher III