


## PERSONAL INFORMATION

## Birsoghe Cristina



 Petre Banita Street, 104, Calarasi, 207170, Romania

 0251/334402

 [dragomircristina20@yahoo.com](mailto:dragomircristina20@yahoo.com)

Female **Gender** | **Date of birth** 24.07.1991 | Romanian **Nationality**

## WORK EXPERIENCE

April 01, 2024 - present

**Scientific researcher**

Research - Development Station for Plant Culture on Dabuleni Sands, Petre Banita Street, 217, Calarasi, Dolj, 207170, Romania

Activities and responsibilities:

Development of biochemistry research in order to identify new ways of progress in agricultural research.

September 15, 2020 - March 31, 2024

**Scientific research assistant**

Research - Development Station for Plant Culture on Dabuleni Sands, Petre Banita Street, 217, Calarasi, Dolj, 207170, Romania

Activities and responsibilities:

Development of entomology and biochemistry research in order to identify new ways of progress in agricultural research.

**Type of sector of activity:** researcher

September 01, 2018 - August 31, 2020

**Professor biology**

Tehnological High School "Al. I. Cuza", Slobozia

Responsibilities: Teaching biology in high school classes

**Type or sector of activity:** education

September 01, 2015 - December 14, 2017

**Biologist**

SC Fitofarm SRL, Tg-Jiu

Responsibilities: Consultancy farmers, establishment of measures to combat diseases and pests

**Type of sector of activity:** phytopharmacy

**EDUCATION AND TRAINING**


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October 2013 - June 2015

**Masters degree :**

Biodiversity and conservation of natural ecosystems, Faculty of Agriculture and Horticulture, University of Craiova, Biology specialization

The main subjects studied:

- Elements of systemic ecology;
- Biodiversity of the living world;
- Principales of biological conservation;
- Population genetics;
- Symbiosis in the living world.

October, 2010 - June, 2013

**Degree in biology**

Faculty of Agriculture and Horticulture, University of Craiova, Biology specialization

The main subjects studied:

- Human anatomy and hygiene;
- General cytology;
- Comparative anatomy;
- Biochemistry;
- General genetics;
- General parasitology;
- General animal physiology;
- General microbiology;
- Plant morphology and anatomy.

September, 2006 - June, 2010

**High school diploma**

Spiru Haret National College, Tg - Jiu

Main subjects studied:

- Biology;
- Chemistry;
- Romanian language and literature
- English;
- French;
- Mathematics
- History;
- Geography

**PERSONAL SKILLS**


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**Mother tongue** Romanian language

**Other language (s)**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French language	B1	B1	B1	B1	B1
Independent user					
English language	B1	B1	B1	B1	B1
Independent user					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2: Proficient user  
Common European Framework of Reference for Languages

Communication skills   ▪ good communication skills acquired through their own experience as a teacher

Job-related skills       ▪ a good knowledge of the diversity of entomofauna;  
                                  ▪ team spirit

Competențe informatice   ▪ good command of Microsoft Office tools

Permis de conducere      ▪ B

Additional information

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- Memorandum of activity
- Experience gained in national/international programs
- List of published scientific works

## Memorandum of activity

The undersigned, Bîrsoghe Cristina, I attended courses at Spiru Haret National College in Tg-Jiu, biochemistry specialization, graduating from these courses in the year 2010. Then, I attended the Faculty of Agriculture and Horticulture, Biology specialization at the University of Craiova, obtaining a degree in biology with the thesis "Hepatic viruses". In 2015, I graduated from the Master's courses at the University of Craiova, Faculty of Agriculture and Horticulture, specializing in Biodiversity and conservation of natural ecosystems. Throughout my university studies, I also attended the courses of the Department for the Training of Teaching Staff. Since the fall of 2015, I have worked as a biologist at SC Fitofarm Tg-Jiu where I have provided consultancy in the field of plant protection. From September 2018, I started in education and worked until August 2020 as a biology teacher at the Technological High School, Al. I. Cuza", Slobozia.

In August 2020, I participated in the competition for the position of scientific research assistant, organized by Research – Development Station for Plant Culture on Sands Dăbuleni, being declared admitted. Since September 2020, I have been employed as a scientific research assistant at the Research –Development Station for Plant Culture on Sands Dabuleni and I have worked in the "Climate Change and Environmental Protection" laboratory. In March 2024 I took and passed the scientific researcher exam in "Agriculture/Horticulture speciality".

In the research activity, I constantly improved my professional knowledge and skills, participating in numerous national and international scientific events, both as the first author and in collaboration with researchers from SCDCPN Dăbuleni or researchers from specialized units in the country.

In the 3 years of activity carried out in the field of research, I participated in the achievement of the objectives of the research projects and themes carried out within the "ADER 2018-2022", projects financed from the state budget through MADR and self-financing themes SCDCPN Dăbuleni.

As part of the scientific research activity, I aimed to use the novelties of scientific research in the studied experiences, so that the obtained results could be generalized in production.

During the research activity carried out at SCDCPN Dăbuleni, I prepared and published 26 scientific papers, 7 of which as the first author.

### Experience gained in national/international programs

Programul/Proiectul	Funcția	Perioada: de la...până la.....
1. ADER 5.1.1: „ <i>Research on the impact of climate change on potato cultivation in traditional areas in order to reconfigure optimal cultivation areas in accordance with the EU "Green Deal" strategy and to identify and model the new potato ideotype with tolerance/resistance to climate change</i> ”	Collaborator	2023-2027
2. ADER 5.1.3: „ <i>Identifying and promoting some technological measures in order to make better use of the production obtained from the sweet potato - Ipomea batatas cultivated in Romania, in order to obtain products rich in nutrients and safe for consumers</i> ”	Collaborator	2023-2027
3. ADER 6.3.2: „ <i>Contributions to the efficiency of natural resources in areas subject to aridification by introducing exotic plant species into culture</i> ”	Collaborator	2023-2027
4. ADER 6.3.14: „ <i>Research on the development of innovative culture technologies in the production of rootstocks and viticultural planting material</i> ”	Collaborator	2023-2027
5. Project no. 563/1.1.1 of 15.03.2023: „ <i>Conservation and use of germplasm resources in the breeding of bean and groundnut plants grown on sandy soils</i> ”	Collaborator	2023-2027
6. Project no. 563/1.1.2 of 15.03.2023: „ <i>Diversification, conservation and use of genetic resources in the improvement of watermelons, melons, pumpkins grown on sandy soils</i> ”	Collaborator	2023-2027
7. Project no. 563/1.1.3 of 15.03.2023 „ <i>Conservation and use of germplasm resources in the improvement of garden pea, garden bean, tomato, long pepper, bell pepper grown on sandy soils</i> ”	Collaborator	2023-2027
8. Project no. 563/1.1.4 of 15.03.2023: „ <i>Improving the assortment of sweet potato varieties grown on sandy soils through the approval of new varieties</i> ”	Collaborator	2023-2027
9. Project no. 563/1.1.5 of 15.03.2023: „ <i>Improving the assortment of early potato varieties, through the selection of the most adapted varieties to the pedoclimatic conditions in the area of sandy soils and market requirements</i> ”	Collaborator	2023-2027
10. Project no. 563/1.1.6 of 15.03.2023: „ <i>Completing the viticultural germplasm fund by obtaining clonal selections with high economic value</i> ”	Collaborator	2023-2027
11. Project no. 1.2.1 of 15.03.2023: „ <i>Diversification of the assortment of fruit trees and shrubs suitable for the area of sandy soils, with adaptability to climate changes in the area: peach, apricot, plum, kiwi, chinese persimmon, persimmon, almond, northern banana, fig, etc</i> ”	Collaborator	2023-2027
12. Project no. 2.1.2 of 15.03. 2023: „ <i>Improving sweet potato cultivation technologies in order to make better use of the pedoclimatic conditions in the area of sandy soils</i> ”	Collaborator	2023-2027

13. Project no. 2.1.3 of 15.03.2023: „ <i>The effect of climate change on physiological and biochemical processes in species: date, sweet potato, watermelon</i> ”	Collaborator	2023-2027
14. Project nr. 2.1.4 of 15.03.2023: „ <i>Quantification of the effect of climate change on the productivity of some species of cereals and technical plants grown under non-irrigated conditions</i> ”	Collaborator	2023-2027
15. Project 1733/10.10.2018: „ <i>Establishing early growing methods and developing field cultivation technologies of some vegetable plant species</i> ”	Collaborator	2023-2027
16. ADER 7.2.5: „ <i>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</i> ”	Project manager	2019-2022
17. ADER 7.2.1: „ <i>Enriching the vegetable gene pool by obtaining biological creations intended to obtain varieties and hybrids from the Solanaceae family, tomatoes, peppers, plantains, eggplants</i> ”	Collaborator	2019-2022
18. ADER 7.3.4: „ <i>Research on in vitro selection in order to identify, multiply and promote sweet potato genotypes with tolerance to thermohydric stress</i> ”	Collaborator	2019-2022
19. ADER 7.3.15: „ <i>Establishing the measures and means of prevention and integrated control of the pest Tuta absoluta, the mining moth in tomato crops in protected areas</i> ”	Collaborator	2019-2022
20. Project 1734/10.10.2018: „ <i>Determining the influence of climate change on the quality of production in areas at risk of aridification in southern Oltenia</i> ”	Project director	2018-2022
21. Project 1735/10.10.2018: „ <i>Research on the behavior of some species of fruit plants in the context of climate change on the sandy soils of southern Romania</i> ”	Collaborator	2018-2022
22. Project 1737/10.10.2018: „ <i>The foundation of culture technologies through physiological research on some species of plants grown on sandy soils</i> ”	Collaborator	2018-2022

**LIST OF PUBLISHED SCIENTIFIC WORKS****ISI Cited Publications**

1. Reta DRĂGHICI, Milica DIMA, Alina Nicoleta PARASCHIV, Maria Florentina BĂJENARU, **Cristina BÎRSOGHE**, 2023. *The behavior of some local and foreign cowpea genotypes in the conditions of climate changes in the South of Oltenia*, Scientific Papers. Series A. Agronomy, Vol. LXVI, No. 2, 2023, ISSN 2285-5785; ISSN CD-ROM 2285-5793; ISSN Online 2285-5807; ISSN-L 2285-5785, pag. 198-207, [https://agronomyjournal.usamv.ro/pdf/2023/issue\\_2/Art25.pdf](https://agronomyjournal.usamv.ro/pdf/2023/issue_2/Art25.pdf).
2. Irina TITIRICĂ, Florentina NETCU, **Cristina BÎRSOGHE**, Ioana A. ROMAN, 2023. *The performance of the persimmon grown in the southern of Romania*, Scientific Papers. Series B, Horticulture. Vol.LXVII, No.2, 2023, ISSN 2285-5653, CD-ROM ISSN 2285-5661; Online ISSN 2286-1580; ISSN-L 2285-5653, pag. 188-193, WOS: 001131049200074, [https://horticulturejournal.usamv.ro/pdf/2023/issue\\_2/Art29.pdf](https://horticulturejournal.usamv.ro/pdf/2023/issue_2/Art29.pdf).

**BDI rated publications**

1. **Cristina BÎRSOGHE**, Ștefan NANU\*, Felicia-Constantina FRĂTUȚU, Alina-Nicoleta PARASCHIV, Maria-Florentina BĂJENARU, Milica DIMA, 2023. *Evaluation of the quality of some watermelon varieties grown on sandy soils*, (Annals of the University of Craiova - Agriculture, Montanology, Cadastre Series), Vol. 53/1/2023, pp. 15-20, DOI: <https://doi.org/10.52846/aamc.v53i1.1430>, <https://anale.agro-craiova.ro/index.php/aamc/article/view/1430/1356>.
2. Maria-Florentina BĂJENARU, **Cristina BÎRSOGHE**, Iulian RĂȚOI, 2023. *Studies on the biological and productive potential of some table grape cultivars grown in the pedoclimatic conditions of southern Oltenia*, (Annals of the University of Craiova - Agriculture, Montanology, Cadastre Series), Vol. 53/1/2023, pp. 7-14, DOI: <https://doi.org/10.52846/aamc.v53i1.1429>, <https://anale.agro-craiova.ro/index.php/aamc/article/view/1429/1355>.
3. *Research on the behavior of some genotypes of garden beans on the sandy soils of southern Oltenia*, ANNALS OF THE UNIVERSITY OF CRAIOVA, Series: Biology, Horticulture, Food products processing technology, Environmental engineering, Vol. XXVII (LXIII) – 2022, **Bîrsoghe Cristina**, Nanu Ștefan, Diaconu Aurelia, Paraschiv Alina-Nicoleta, Sfirloagă Loredana-Mirela, Băjenaru Maria-Florentina, Șerban Maria-Diana, Dima Milica, <https://doi.org/10.52846/bihpt.v27i63.14>, <https://anale-horticultura.reviste.ucv.ro/index.php/bihpt/article/view/14/22>.
4. *The behavior of some vine varieties with white grapes in the ampelographic collection of SCDCPN Dăbuleni*, ANNALS OF THE UNIVERSITY OF CRAIOVA, Series: Biology, Horticulture, Food products processing technology, Environmental engineering Vol. XXVII (LXIII) – 2022, Băjenaru Maria-Florentina, Diaconu Aurelia, Nanu Ștefan, **Bîrsoghe Cristina**, Paraschiv Alina, Sfirloagă Loredana, Dima Milica, Rățoi Iulian. <https://doi.org/10.52846/bihpt.v27i63.4>, <https://anale-horticultura.reviste.ucv.ro/index.php/bihpt/article/view/4/8>.

5. *Research concerning the behavior of table grape cultivars grown on the sandy soils of Southern Oltenia*, Romanian Journal of Horticulture, Vol. 3 Noiembrie 2022, M.F. Băjenaru, A.N. Paraschiv, C. **Bîrsoghe**, M.D. Șerban and I. Rățoi., <https://romanianjournalofhorticulture.ro/wp-content/uploads/2022/12/20.171-178..pdf>.

6. *The evolution of the watermelons culture over time*, ANNALS OF THE UNIVERSITY OF CRAIOVA, Series: Biology, Horticulture, Food products processing technology, Environmental engineering, Vol. XXVII (LXIII) – 2022, Nanu Ștefan, Paraschiv Alina-Nicoleta, Sfirloagă Loredana Mirela, Diaconu Aurelia, Frățuțu Felicia, Ciuciuc Elena, Băjenaru Maria-Florentina, **Bîrsoghe Cristina**, Șerban Maria, <https://doi.org/10.52846/bihpt.v27i63.41>, <https://anale-horticultura.reviste.ucv.ro/index.php/bihpt/article/view/41/40>.

7. *The behavior of some tomato genotypes under conditions of thermal-hydric stress in the sandy soils area*, ANNALS OF THE UNIVERSITY OF CRAIOVA, Series: Biology, Horticulture, Food products processing technology, Environmental engineering, Vol. XXVII (LXIII) – 2022, Sfirloagă Loredana-Mirela, Nanu Ștefan, Diaconu Aurelia, Șerban Maria-Diana, Băjenaru Maria-Florentina, **Bîrsoghe Cristina**, Frățuțu Felicia, Dima Milica, <https://doi.org/10.52846/bihpt.v27i63.56>, <https://anale-horticultura.reviste.ucv.ro/index.php/bihpt/article/view/56>.

8. Drăghici Reta\*, Drăghici Iulian, Ciurescu Georgeta, Matei Gheorghe, Paraschiv Mirela, Croitoru Mihaela, Paraschiv Alina Nicoleta, Băjenaru Maria Florentina, Dima Milica1, **Dragomir-Mereanțu Cristina**, 2021. *The reaction of some cowpea genotypes to the thermohydric conditions from the area of sandy soils in the south of Oltenia*, Annals of the University of Craiova, Series: Biology, Horticulture, Food products processing technology, Environmental engineering, Vol. XXVI (LXII) - 2021 DOI: 10.52846/bhfe.26.2021.11, [https://horticultura.ucv.ro/horticultura/sites/default/files/horticultura/Reviste/Analele/2021/11\\_69-74\\_Draghici%20Anale%20Horti%202021.pdf](https://horticultura.ucv.ro/horticultura/sites/default/files/horticultura/Reviste/Analele/2021/11_69-74_Draghici%20Anale%20Horti%202021.pdf)

9. Paraschiv Alina-Nicoleta, Diaconu AURELIA, **Dragomir-Mereanțu Cristina**, Nanu Ștefan, 2021. *The influence of climate conditions on the nutritional quality of some potato lines tested in culture on sandy soils from Southern Oltenia*, Analele Universității din Craiova, seria Agricultură – Montanologie – Cadastru (Annals of the University of Craiova – Agriculture, Montanology, Cadastre Series) Vol. 51/1/2021, pag. 223-232 <https://anale.agro-craiova.ro/index.php/aamc/article/view/1279/1208>.

#### **Publications in the annals of RDSPCSS Dabuleni**

1. **BÎRSOGHE Cristina**, TITIRICĂ Irina, NETCU Florentina, PARASCHIV Alina-Nicoleta, NANU Ștefan, 2023. *Evaluation of fruit quality of some chinese date genotypes in sandy soil conditions in southern Oltenia*, Annals of the Research-Development Station for Plant Culture on Sands Dabuleni , Volume 26/2023, pag. 110-128, ISSN 2360 – 0829, ISSN-L 2360 – 0829.

2. DRĂGHICI Reta, CROITORU Mihaela, **BÎRSOGHE Cristina**, PARASCHIV Alina-Nicoleta, DIMA Milica, 2023. *Research on the implications of green cowpea manure on sandy soil fertility*, Annals of the

Research-Development Station for Plant Culture on Sands Dabuleni, Volume 26/2023, pag. 18-34, ISSN 2360 – 0829, ISSN-L 2360 – 0829.

3. DIMA Milica, DRĂGHICI Reta, DIACONU Aurelia, NANU Ștefan, PARASCHIV Alina, NETCU Florentina, **BÎRSOGHE Cristina**, 2023. *Preliminary results regarding the behavior of the *Sylibum Marianum* species on the sandy soils of southern Oltenia*, Annals of the Research-Development Station for Plant Culture on Sands Dabuleni, Volume 26/2023, pag. 7-17, ISSN 2360 – 0829, ISSN-L 2360 – 0829.

4. COTEȚ Gheorghe, DIACONU Aurelia, PARASCHIV Alina-Nicoleta, **BÎRSOGHE Cristina**, NANU Ștefan, 2023. *Behavior of some early potato varieties on sandy soils from RDSPCS Dăbuleni*, Annals of the Research-Development Station for Plant Culture on Sands Dabuleni, Volume 26/2023, pag. 48-64, ISSN 2360 – 0829, ISSN-L 2360 – 0829.

5. NETCU Florentina, TITIRICĂ Irina, NANU Ștefan, DIMA Milica, **BÎRSOGHE Cristina**, 2023. *The behavior of some blackberry varieties grown on the sandy soils of southern Oltenia*, Annals of the Research-Development Station for Plant Culture on Sands Dabuleni, Volume 26/2023, pag. 129-141, ISSN 2360 – 0829, ISSN-L 2360 – 0829.

6. BĂJENARU Maria-Florentina, RĂȚOI Iulian, **BÎRSOGHE Cristina**, *Evaluation of the technological potential of some grape varieties for wine, from the area of sandy soils*, Annals of the Research-Development Station for Plant Culture on Sands Dabuleni, Volume 26/2023, pag. 158-169, ISSN 2360 – 0829, ISSN-L 2360 – 0829.

7. TITIRICĂ Irina, NETCU Florentina, **BÎRSOGHE Cristina**, DIMA Milica, *Comportarea speciei banana nordului (*Asimina Triloba L.*) în condițiile pedoclimatice din sudul României/The behavior of the northern banana species (*Asimina Triloba L.*) in the pedoclimatic conditions of southern Romania*, Annals of the Research-Development Station for Plant Culture on Sands Dabuleni, Volume 26/2023, pag. 142-156, ISSN 2360 – 0829, ISSN-L 2360 – 0829.

8. *Cercetări privind comportarea unor genotipuri de mazăre de grădină în condițiile schimbărilor climatice din sudul Olteniei*, Annals of the Research-Development Station for Plant Culture on Sands Dabuleni, vol. 25/2022, **BÎRSOGHE Cristina**, PARASCHIV Alina-Nicoleta, NANU Ștefan, ILINA Maria-Diana, BĂJENARU Maria-Florentina, FRĂTUȚU Felicia-Constantina, COTEȚ Gheorghe.

9. *Dinamica unor procese fiziologice la cultura de fasoliță în condiții de stres termohidric / The dynamics of some physiological processes in cowpea culture under conditions of thermohydric stress*, Annals of the Research-Development Station for Plant Culture on Sands Dabuleni, vol. 25/2022, Alina-Nicoleta PARASCHIV, Reta DRĂGHICI, **Cristina BÎRSOGHE**, Milica DIMA, Maria Florentina BĂJENARU.

10. *Brâncoveana - un nou soi de arahide obținut pe solurile nisipoase / Brâncoveana - a new variety of peanut obtained on sandy soils*, Annals of the Research-Development Station for Plant Culture on Sands

Dabuleni, vol. 25/2022, DIMA Milica, DRĂGHICI Reta, NANU Ștefan, NETCU Florentina, PARASCHIV Alina-Nicoleta, BĂJENARU Maria, **BÎRSOGHE Cristina**.

11. *Sorgul pentru boabe - alternativă cerealieră pentru valorificarea durabilă a solurilor nisipoase din sudul Olteniei în contextul schimbărilor climatice / Grain sorghum - alternative cereal for the sustainable utilization of sandy soils in southern Oltenia in the context of climate change*, Annals of the Research-Development Station for Plant Culture on Sands Dabuleni, vol. 25/2022, DRĂGHICI Reta, CIURESCU Georgeta, DRĂGHICI Iulian, CROITORU Mihaela, PARASCHIV Alina-Nicoleta, DIMA Milica, NETCU Florentina, **BÎRSOGHE Cristina**.

12. *Studiul variabilității principalelor caractere cantitative ale unor genotipuri de tomate pentru consum în stare proaspătă pe solurile nisipoase de la SCDCPN Dăbuleni / Study of the variability of the main quantitative characteristics of some tomato genotypes for fresh consumption on the sandy soils from Dăbuleni RDSPCS*, Annals of the Research-Development Station for Plant Culture on Sands Dabuleni, vol. 25/2022, ILINA Maria-Diana, NANU Ștefan, SFÎRLOAGĂ Loredana-Mirela, FRĂTUȚU Felicia-Constantina, **BÎRSOGHE Cristina**, BĂJENARU Maria-Florentina, COTEȚ Gheorghe.

13. **Bîrsoghe Cristina**, Ciuciuc Elena, Nanu Ștefan, Băjenaru Maria-Florentina, Paraschiv Alina-Nicoleta, *Atacul de ostrinia nubilalis asupra culturii de porumb zaharat/ The attack of the european corn borer on the sugar corn culture*, Annals of the Research-Development Station for Plant Culture on Sands Dabuleni, Volume 24/2021, pag.64-72, <https://www.scdcpndabuleni.ro/wp-content/uploads/Lucrari-stiintifice-SCDCPN-Dabuleni-Vol-XXIV-2021.pdf>

#### **Publications in specialist journals**

1. *Tuta absoluta – tomato mining moth*, *Scientific Research Offer for Technological Transfer in Agriculture, Food Industry and Forestry*, vol. XXV, 2022, Ștefan Nanu, Aurelia Diaconu, Alina Paraschiv, Loredana Sfirloagă, **Cristina Bîrsoghe**, Diana Șerban.
2. *The sweet potato, a perspective crop for the area of sandy soils*, Diaconu Aurelia, **Dragomir-Mereanțu Cristina**, Info Amsem magazine, June 2021, ISSN 2068-6862.

April, 2024  
Scientific researcher,  
Biologist Birsoghe Cristina