



### Personal information

Name / Surname **FRĂTUȚU (CORNESCU) FELICIA CONSTANTINA**  
Adress **Urdari, Nr 159, Gorj County, Romania**  
Phone **0766631308**  
E-mail [cornescu\\_felicia@yahoo.com](mailto:cornescu_felicia@yahoo.com)  
Nationality **Romanian**  
Date of birth **21.03.1990**  
Gender **Female**

### Professional experience

Period **01 April 2024 - Present**  
Occupation or position held **Scientific Researcher**  
Name and address of employer **SCDCPN Dăbuleni, str. Petre Banita , Călărași, Dolj County**  
Type of business or sector **Determinations and research in the horticulture laboratory**

Period **January 2022-31 march 2024**  
Occupation or position held **Scientific Research Assistant**  
Name and address of employer **SCDCPN Dăbuleni, str. Petre Baniță , Călărași, Dolj County**  
Type of business or sector **Determinations and research in the horticulture laboratory**

Period **2019-2020**  
Occupation or position held **Substitute teacher**  
Main activities and responsibilities **Teaching – learning – assessment activities**  
Name and address of employer **Ionești School, Ionești Commune, Gorj County and Leșile High School, Șimnicul De Sus, Dolj County, Romania**  
Type of business or sector **Education**

Period **2018-2019**  
Occupation or position held **Substitute teacher**  
Main activities and responsibilities **Teaching – learning – assessment activities**  
Name and address of employer **Ionești School, Ionești Commune, Gorj County**  
Type of business or sector **Education**

Period **2017-2018**  
Occupation or position held ***Substitute teacher***  
Main activities and responsibilities ***Teaching – learning – assessment activities***  
Name and address of employer ***Ionești School, Ionești Commune and Turceni Technological High School, Turceni City, Gorj County***  
Type of business or sector ***Education***

Period **2016-2017**  
Occupation or position held ***Substitute teacher***  
Main activities and responsibilities ***Teaching – learning – assessment activities***  
Name and address of employer ***Ionești School, Ionești Commune and Turceni Technological High School, Turceni City, Gorj County***  
Type of business or sector ***Education***

Period **2013-2016**  
Occupation or position held ***Substitute teacher***  
Main activities and responsibilities ***Teaching – learning – assessment activities***  
Name and address of employer ***Ionești School, Ionești Commune and Turceni Technological High School, Turceni City, Gorj County***  
Type of business or sector ***Education***

Period **2012-2013**  
Occupation or position held ***Substitute teacher***  
Main activities and responsibilities ***Teaching – learning – assessment activities***  
Name and address of employer ***Turceni Technological High School, Turceni City, Gorj County***  
Type of business or sector ***Education***

### **Education and Training**

Period **2016-2020**  
Qualification / diploma obtained ***PHD IN HORTICULTURE***  
The main disciplines studied / professional skills acquired ***HORTICULTURE  
Micropropagation  
Pomiculture***  
Name and type of educational institution / training provider ***Craiova University  
Faculty of Horticulture  
Doctoral School of Animal and Plant Resources Engineering***  
Level in national or international classification ***Cycle III - Doctoral postgraduate studies***

Period **2012-2014**

Qualification / diploma **Master's degree in biology**  
obtained

The main disciplines studied / **Biology: Biodiversity and ecosystem conservation**  
professional skills acquired

Name and type of educational **University of Craiova, Faculty of Agriculture and Horticulture**  
institution / training provider

Level in national or **Cycle II - Master's postgraduate studies**  
international classification

Period **2009-2012**

Qualification / diploma **Bachelor's degree**  
obtained

The main disciplines studied / **Biology**  
professional skills acquired

Name and type of educational **Craiova University**  
institution / training provider **Faculty of Horticulture**

Level in national or **Cycle I - Bachelor's degree studies**  
international classification

Period **2005-2009**

Qualification / diploma **High school diploma**  
obtained

The main disciplines studied / **Philology**  
professional skills acquired

Name and type of educational **Turceni Energy Industrial School Group**  
institution / training provider

Level in national or **High school**  
international classification

Period **2018-2020**

Qualification / diploma **Teaching degree I certificate**  
obtained

The main disciplines studied / **Biology**  
professional skills acquired

Name and type of educational **University of Craiova, Department for teaching staff training**  
institution / training provider

Level in national or **Teaching degree**  
international classification

Period **2014-2017**

Qualification / diploma **Teaching degree II certificate**  
obtained

The main disciplines studied / **Biology**  
professional skills acquired

Name and type of educational institution / training provider **University of Craiova, Department for teaching staff training**

Level in national or international classification **Teaching degree**

Period **2013**

Qualification / diploma **Certificate of teaching degree DEFINITIVE IN EDUCATION**  
obtained **(4037/11.09.2012)**

The main disciplines studied / **Biology**  
professional skills acquired

Name and type of educational institution / training provider **University of Craiova, Department for teaching staff training**

Level in national or international classification **Teaching degree**

### **Personal skills and competences**

Native language(s) **Romanian**

Foreign language(s) known

Self-evaluation

*European level (\*)*

#### **Understanding**

Listening

Reading

#### **Speaking**

Participating in conversation  
Oral speech

#### **Writing**

Written expression

**English language**

C1 Proficient user C1 Proficient user C1 Proficient user C1 Proficient user B1 Independent user

**French language**

B1 Independent user B1 Independent user B1 Independent user B1 Independent user B1 Independent user

*(\*) The level of the Common European Framework of Reference for Foreign Languages*

Social skills and competences

- team spirit;  
- ability to adapt  
- good communication skills, obtained as a result of experience as a teacher

Organisational skills and competences

- organizational skills  
- good project or team management experience

Technical skills and competences

- the ability to handle laboratory equipment and apparatus

Computer skills and abilities

Microsoft Office™ (Word™, Excel™ și PowerPoint™);

Driver's license(s).

Driving license Cat B

Annexes

Activity memory  
List of published scientific papers

## ACTIVITY MEMORY

The undersigned, Fratuțu Felicia - Constantina, born in the city of Craiova on 21.03.1990, I completed primary school at the Strîmba-Jiu Secondary School, and in 2009 I graduated courses of the Industrial School Group in the city of Turceni, Gorj county, the profile of philology.

In the period 2009-2012, I studied at the Faculty of Agriculture and Horticulture, specializing in Biology at the University of Craiova. In the period 2012-2014, also within the University of Craiova, I attended the Master's courses in Horticulture, specializing in Biodiversity and ecosystem conservation.

In 2016, I started the courses of the Doctoral School of Animal and Plant Resources Engineering, within the University of Craiova, in the field of Horticulture, obtaining the title of Doctor of Horticulture following the public defense of my doctoral thesis with the title "Identification, evaluation and selection of horn genotypes (*Cornus mas L*) of food and ornamental interest", in 2020.

After finishing the faculty, I worked in education, in the period 2012-2020. In December 2021, I participated in the competition for the position of scientific research assistant (ACS) in the field of Horticulture, organized by SCDCPN Dăbuleni. In March 2024, I took and passed the exam for the position of scientific researcher.

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. During the 3 years of activity carried out in the field of research, I participated in the achievement of the objectives of the research projects carried out within the unit.

## LIST OF PUBLISHED SCIENTIFIC WORKS

### ARTICLES PUBLISHED IN ISI MAGAZINES AND ISI PROCEEDINGS

1. Cosmulescu SN, Trandafir I, **Cornescu F** (2019). Antioxidant capacity, total phenols, total flavonoids and colour component of cornelian cherry (*Cornus mas* L.) wild genotypes. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 47(2): 390-394, <https://www.notulaebotanicae.ro/index.php/nbha/article/view/11375/8282>;
2. **Cornescu Frățutu FC**, Cosmulescu S (2019). Variability of morphological characteristics in genotypes of *Cornus mas* L. Identified in oltenia region. *Scientific Papers. Series B, Horticulture* 63 (1): 85-91, [https://horticulturejournal.usamv.ro/pdf/2019/issue\\_1/Art12.pdf](https://horticulturejournal.usamv.ro/pdf/2019/issue_1/Art12.pdf);
3. Cosmulescu S, **Cornescu F** (2020). Variability in physical and chemical characteristics of Cornelian cherry fruits (*Cornus mas* L.) from Romanian Oltenia region's spontaneous flora and role of the climatic conditions. *Brazilian Journal of Botany* 43 (3): 677-682, <https://link.springer.com/article/10.1007/s40415-020-00615-6>;
4. COSMULESCU S, FRATUTU FC, RADUTOIU D.(2020). Determination of morphological characteristics of leaves in cornelian cherry (*Cornus mas* L.). *Rom Biotechnol Lett.*; 25(4): 1754-1758, <https://www.e-repository.org/rbl/vol.25/iss.4/11.pdf>;
5. **Felicia FRĂTUTU**, Ștefan NANU\*, Loredana SFÎRLOAGĂ, Diana ILINA- *PHYSICO-CHEMICAL CHARACTERISTICS OF PUMPKIN FRUITS (CUCURBITA MAXIMA DUCH.) CULTIVATED ON SANDY SOILS AT DĂBULENI RDSPCS* *Scientific Papers. Series B, Horticulture*; -În curs de publicare

### ARTICLES PUBLISHED IN BDI INDEXED MAGAZINES

1. **Cornescu FC**, Cosmulescu SN (2017). Morphological and biochemical characteristics of fruits of different cornelian cherry (*Cornus mas* L.) genotypes from spontaneous flora. *Notulae Scientia Biologicae* 9(4): 577-581. <https://www.notulaebiologicae.ro/index.php/nsb/article/view/10161>
2. **Felicia C. FRĂTUTU 1**, Ștefan NANU\*, Aurelia DIACONU , Loredana M. SFÎRLOAGĂ, Diana M. ȘERBAN (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*; <https://anale.agro-craiova.ro/index.php/aamc/article/view/1325>
3. Nanu, Ș., Paraschiv, A. N., Șfirloagă, L. M., Diaconu, A., **FRĂTUTU, F.**, Ciuciuc, E., ... & Șerban, M. (2022). THE EVOLUTION OF THE WATERMELONS CULTURE OVER TIME. *ANNALS OF THE UNIVERSITY OF CRAIOVA, Biology, Horticulture, Food products processing technology, Environmental engineering*, 27(63); <https://anale-horticultura.reviste.ucv.ro/index.php/bihpt/article/view/41>
4. Șfirloagă, L. M., Nanu, Ș., Diaconu, A., Șerban, M. D., Băjenaru, M. F., Bîrsoghe, C., **FRĂTUTU E.**, & Dima, M. (2022). THE BEHAVIOR OF SOME TOMATO GENOTYPES UNDER CONDITIONS OF THERMAL-HYDRIC STRESS IN THE SANDY SOILS AREA. *ANNALS OF THE UNIVERSITY OF CRAIOVA, Biology, Horticulture, Food products processing technology, Environmental*

5. Ş. Nanu 1, A.N. Paraschiv 1\*, **F.C. FRĂTUTU 1**, L.M. Sfirloagă 1(2022) - *Evaluation of the D19 pumpkin genotype (Cucurbita maxima L.), under the conditions of cultivation on the sandy soils of the southwest of Oltenia.* <https://romanianjournalofhorticulture.ro/wp-content/uploads/2022/12/11.99-104.pdf>

6. **FRĂTUTU, Felicia**, Ştefan, NANU., SFÎRLOAGĂ, 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. <https://anale.agro-craiova.ro/index.php/aamc/article/view/1447>

7. SFÎRLOAGĂ, S., Ştefan, N. A. N. U., **FRĂTUTU, 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. <https://anale.agro-craiova.ro/index.php/aamc/article/view/1477>

8. BÎRSOGHE, C., Ştefan, N. A. N. U., **FRĂTUTU, F. C.**, PARASCHIV, A. N., BĂJENARU, M. F., & Milica, D. I. M. A. (2023). *Evaluation of the quality of some watermelon varieties grown on sandy soils.* "Annals of the University of Craiova-Agriculture Montanology Cadastre Series", 53(1), 15-21. <https://anale.agro-craiova.ro/index.php/aamc/article/view/1430>

9. Ş. Nanu<sup>1</sup>, **F. C. Frătuţu**<sup>1</sup>, A. Paraschiv<sup>1</sup>, L.M. Sfirloagă<sup>1</sup>- (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.- În curs de publicare*

10. S. Nanu<sup>1a</sup>, A.N. Paraschiv<sup>1</sup>, M. Iamandei<sup>2</sup>, L.M. Sfirloagă<sup>1</sup>, C. Bîrsoghe<sup>1</sup>, M.D. Ilina<sup>1</sup>, **F. Frătuţu**<sup>1</sup>, M. Băjenaru<sup>1</sup>(2023). *Evaluation of the effectiveness of some protection products against the Tuta absoluta pest in tomato crops from southern Romania, The IX South-Eastern Europe Symposium on Vegetables and Potatoes, Accepted for publication in Acta Horticulturae.- În curs de publicare*

11. L.M. Sfirloagă<sup>1a</sup>, Ş. Nanu<sup>1</sup>, A. Diaconu<sup>1</sup>, **F. Frătuţu**<sup>1</sup>, D.M. Ilina<sup>1</sup> (2023). *The behavior of the long pepper genotype 'L-28' (Capsicum annuum) in pedo-climatic conditions from Dăbuleni RDSPCS, The IX South-Eastern Europe Symposium on Vegetables and Potatoes, Accepted for publication in Acta Horticulturae; - În curs de publicare*

#### ARTICLES PUBLISHED IN SCDCPN DĂBULENI ANNALS

1. **FRĂTUTU Felicia**, NANU Ştefan, Ilina Diana, CIUCIUC Elena (2022)- *THE EVOLUTION OF RESEARCH REGARDING THE CULTURE OF BELL PEPPER (Capersicum annum var. Grossum) AT SCDCPN DĂBULENI IN THE PERIOD 1970-2020*, ANALELE STAȚIUNII DE CERCETARE - DEZVOLTARE PENTRU CULTURA PLANTELOR PE NISIPURI DĂBULENI, Anale, volum XXV;

2. BÎRSOGHE Cristina, PARASCHIV Alina-Nicoleta, NANU Ştefan, ILINA Maria-Diana, BĂJENARU Maria-Florentina, **FRĂTUTU Felicia-Constantina**, COTEȚ Gheorghe (2022)- *RESEARCH ON THE BEHAVIOR OF SOME GENOTYPES OF GARDEN PEAS IN THE CONDITIONS OF CLIMATE CHANGES IN SOUTHERN OLTENIA*, ANALELE STAȚIUNII DE CERCETARE - DEZVOLTARE PENTRU CULTURA PLANTELOR PE NISIPURI DĂBULENI, Anale, volum XXV;

3. ILINA Maria-Diana, NANU Ștefan, SFÎRLOAGĂ Loredana Mirela, **FRĂTUTU Felicia Constantina**, Bîrsoghe Cristina, Băjenaru Maria Florentina, Coteș Gheorghe (2022). *Studiul variabilității principalelor caractere cantitative ale unor genotipuri 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, Anale 2022, volum XXV;
4. NANU Ștefan, DIACONU Aurelia, CIUCIUC Elena, TOMA Vasile, PARASCHIV Alina Nicoleta, SFÎRLOAGĂ Loredan, **FRĂTUTU Felicia** (2022). *Cercetări privind cultura pepenilor verzi la SCDCPN Dăbuleni*, ANALELE STAȚIUNII DE CERCETARE - DEZVOLTARE PENTRU CULTURA PLANTELOR PE NISIPURI DĂBULENI, Anale 2022, volum XXV;
5. SFÎRLOAGĂ Loredana Mirela, NANU Ștefan, ILINA Maria Diana, **FRĂTUTU Felicia Constantina** (2022). *Comportarea genotipului de tomate L11/53 în condițiile solurilor nisipoase de la SCDCPN Dăbuleni*. ANALELE STAȚIUNII DE CERCETARE - DEZVOLTARE PENTRU CULTURA PLANTELOR PE NISIPURI DĂBULENI, Anale 2022, volum XXV;
6. **FRĂTUTU Felicia-Constantina**, NANU Ștefan, SFÎRLOAGĂ Loredana- Mirela, ILINA Maria-Diana, CIUCIUC Elena, Toma Vasile (2023) - RESEARCH REGARDING THE GRAFTING OF WATERMELONS, Analele SCDCPN Dăbuleni, Volumul 26;
7. SFÎRLOAGĂ Loredana-Mirela, NANU Ștefan, **FRĂTUTU Felicia-Constantina**, ILINA Maria-Diana (2023) - *COMPORTAREA GENOTIPULUI DE ARDEI GRAS (CAPSICUM ANNUUM L. VAR. GROSSUM) ÎȘALNIȚA 85 V ÎN CONDIȚIILE SOLURILOR NISIPOASE DE LA SCDCPN DĂBULENI*, Analele SCDCPN Dăbuleni, Volumul 26;
8. ILINA MARIA-DIANA, NANU ȘTEFAN, SFÎRLOAGĂ LOREDANA MIRELA, **FRĂTUTU 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,

### ***PARTICIPATION IN NATIONAL/INTERNATIONAL SYMPOSIA/CONFERENCES***

1. International Scientific Symposium Horticulture, Food and Environment Priorities and perspectives Faculty of Horticulture University of Craiova 25-26 octombrie 20
2. Sesiunea anuală de referate științifice Cercetarea pomicolă o șansă pentru agricultura românească 20 septembrie 2018 Institutul de Cercetare pentru Pomicultură, Pitești-Mărăcineni
3. International Scientific Symposium Horticulture, Food and Environment Priorities and perspectives Faculty of Horticulture University of Craiova 26-27 octombrie 2017
4. *International Scientific Symposium HORTICULTURE, FOOD AND ENVIRONMENT Priorities and perspectives 13 – 14 October 2022*, Facultatea de Horticultură, Universitatea din Craiova, Craiova, România;
5. *The 18th ANNUAL MEETING "DURABLE AGRICULTURE –AGRICULTURE OF THE FUTURE" ANNIVERSARY CONFERENCE 10th-11th November 2022*, Facultatea de Agronomie, Universitatea din Craiova, Craiova, Romania.

6. Creații ale cercetării agricole românești " și participarea la Sesiunea Comemorativă: 100 de ani de la nașterea personalităților membre ale A.S.A.S. , la A.S.A.S. București, 11-13 octombrie 2023.

#### **BOOKS WITH SCIENTIFIC REFERENCES**

1. **SPECII POMICOLE CU POTENȚIAL DE CULTIVARE ȘI VALORIFICARE ÎN ROMÂNIA**, Coordonator COSMULESCU SINA NICULINA, **FRĂTUȚU (CORNESCU) FELICIA - autor principal cap. I** (paginile 5-40), ISBN 978-606-14-1926-5, Editura UNIVERSITARIA, Craiova, 2023. <https://www.editurauniversitaria.ro/ro/book/specii-pomicole-cu-potential-de-cultivare-si-valorificare-in-romania/13470>

I declare under my own responsibility that the data presented are in accordance with reality.

Martie, 2025

Scientific Researcher,

Dr. biologist Frățuțu Felicia Constantina