



Danela Murariu

Date of birth: 16/09/1960 | **Nationality:** Romanian | **Gender:** Female |
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● WORK EXPERIENCE

01/06/2018 – CURRENT

SCIENTIFIC SECRETARY – SUCEAVA GENE BANK

- Coordination of research activity;
- Achievement of the annual activity Report;
- Achievement of the thematic research Plan;
- Achievement of the Strategy for the conservation and use of plant genetic resources, the horizon of the years 2040-2045;
- Promoting national/international collaboration, by addressing research topics of common interest and presenting/publishing the results in conferences, symposiums and specialized periodicals;
- Promoting the "in situ - on farm" preservation of local populations of the main agricultural species by providing consultancy on crops and seed production technologies for the genetic material provided to people interested in the cultivation of traditional autochthonous varieties;
- Attracting extra-budgetary funds by developing/participating in national and international projects;
- Supervision and management of the maize and oat collections, in accordance with the curator's duties (taxonomic classification, establishment of regeneration priorities, multiplication and evaluation, verification of the correctness of the information in the database).

Suceava, Romania

01/07/1990 – 31/05/2018

HEAD OF EVALUATION SECTION – SUCEAVA GENE BANK

Scientific researcher - 1990-1994;

Third degree scientific researcher- 1994-1997;

Second degree scientific researcher - 1997-2002;

First degree scientific researcher 2002 - current

- Coordination of plant genetic resources multiplication/regeneration activity;
- Coordination of plant genetic resource characterization and evaluation activities;
- Curator of the *Avena* and *Zea mays* collections, preserved in Suceava Genebank.

Suceava, Romania

01/08/2012 – 31/01/2015

HEAD OF MAIZE BREEDING LABORATORY - RESEARCH ASSOCIATE – AGRICULTURAL RESEARCH AND DEVELOPMENT RESEARCH STATION OF SUCEAVA

- Coordination of early maize breeding activity;
- Keeping of maize inbred lines collection in the controlled conditions.

Suceava, Romania

01/03/1987 – 30/06/1990

RESEARCH ASSISTANT – AGRICULTURAL RESEARCH AND DEVELOPMENT RESEARCH STATION OF SUCEAVA

- Characterization and evaluation of local maize populations owned by plant genetic resources laboratory;
- Seed viability testing and monitoring of all seed samples owned by plant genetic resources laboratory.

Suceava, Romania

22/10/1983 – 28/02/1987

FARMER – FIELD CROPS FARM

- Coordination of a field crops farm in the area of 500 ha.

Tg. Frumos, Romania

● EDUCATION AND TRAINING

01/07/2021 – CURRENT

CERTIFICATE OF HABILITATION IN THE FIELD OF DOCTORAL STUDIES IN AGRONOMY, DOCTORAL SCHOOL OF UNIVERSITY OF LIFE SCIENCES IAȘI, – Education and Research Ministry

Coordination of doctoral theses within the Doctoral School at the University of Life Sciences Iași, Agronomy field, Genetics and Breeding specialty (July 2022- current)

www.edu.ro

01/10/1990 – 29/11/1994 – Romania

DOCTOR'S DEGREE IN AGRONOMY – Academy of Agricultural and Forestry Sciences „Gheorghe Ionescu Șișești” Bucharest

- Genetics, Plant physiology, Plant engineering;
- In-depth study on the factors that influence the seeds viability of some plant species preserved in Suceava Genebank.

BACHELOR'S DEGREE – Agronomic Institute „Ion Ionescu de la Brad” Iasi

Botanic, Phytopathology, Plant Physiology, Genetics, Breeding, Phytotechnics, Agrochemistry, Improvements land, Entomology, etc.

Trainings

- **1990-1994** - training course for doctoral thesis, the title "Study of the factors that influence the seeds viability of some plant species preserved in the Suceava Gene Bank", "doctor in agronomy", July 1994;
- **June 1995** - scientific training in the field of maize germplasm cold resistance analysis - Maize and Sorghum Research Institute Porumbeni, Republic of Moldova;
- **February 1996** - scientific training in the ultrastructural study of maize embryos - Institute of Genetics Chisinau, Republic of Moldova;
- **February 1997** - professional training course in the management of gene banks - IPK Gatersleben and Julius Kuhn Institute, Quedlinburg, Germany;
- **March 1997** - internship in germplasm evaluation in gene banks - CGN Wageningen, Netherlands.

Average of Years 9. 23 and 10 in Diploma Examination | EQF level 8 | 6 studii superioare

● LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

My Digital Skills

Microsoft Office (Word, Excel, Power Point) | Corell Draw | Baze de date | Programe statistice | navigare internet

● ORGANISATIONAL SKILLS

Social skills and competences

- Ability to plan and organize research activities and timely resolution of problems that arise during their development;
- Experience in projects and human resources management;
- Good ability to organize activities within a maize breeding field;
- Quick adaptation to activities carried out in multidisciplinary teams and sharing tasks among all team members.

Technical skills and competences

- Experience in organizing the activities in the experimental field of the Suceava Genebank, both in terms of setting up experiments related to ongoing projects and in reproducing samples from the Bank's collections;
- Skills in the implementation of projects and in the development of related documents.

Dissemination of the results obtained in the research activity

The activity of disseminating scientific results is highlighted by the publication of 138 scientific works, of which: 10 books, published in the CNCSIS accredited publishing houses; 9 scientific papers published in ISI rated journals, with impact factor; 53 scientific articles published in BDI indexed journals; 47 in the volumes of national/international conferences or congresses and 9 papers on results popularisation.

Managerial experience as: director/project responsible/team member of national/international research projects

Managerial experience in national/international research projects consisted of running 19 projects, of which: 10 as project director/responsible and 9 as projects team member.



The project title and identification	Position	Period
Assessment and sustainable use in the plant breeding programs of the existing polygenic variation in local populations preserved <i>ex situ</i> , in the context of climatic changes. Project financed by State Budget through Academy of Agricultural and Forestry Sciences.	Project manager	2019-2023
European Maize Germplasm Evaluation Network (EVA MAIZE) – project coordinated and financed by ECP/GR	Project responsible	2020-2021
Precision breeding of wheat cultivars of high agronomic importance (WBreed0.1)” 395PED/2020, project code: PN-III-P2-2.1-PED-2019-017. Project coordinator ULS Iasi	Team member	2019-2022
The establishment and continuous diversification of the national collection of medicinal and aromatic plants, the acclimatization and introduction of new species into culture and the improvement of cultivation technologies in the mountain area, sectorial project (ADER 6.2.1.) financed by Agriculture and Rural Development Ministry. Project coordinator ARDS Secuieni	Team member	2019-2021
<i>Lupinus mutabilis</i> for Increased Biomass from marginal lands and value for BIO refineries – LIBBIO - HORIZON 2020; 2017-2020 – Consortium coordinator ULS Iasi	Team member	2017-2019
The regeneration, multiplication and characterization of some local vegetable varieties with a unique character, sectorial project (ADER 3.1.4), financed by Agriculture and Rural Development Ministry, Project Coordinator Suceava Gene Bank	Team member	2015-2018
Identification of genotypes tolerant to thermic, water and biotic stress from traditional vegetable species suitable for technological systems specific to biological and conservative agriculture, sectorial project (ADER 1.1.2.), financed by Agriculture and Rural Development Ministry. Project Coordinator ICDLF Vidra	Team member	2011-2014
<i>Avena</i> genetic resources for quality in human consumption”, project financed by EU, according to European Council Regulation no. 870/2004, Project Coordinator Julius Koln Institute Quidlinburg, Germania	Project responsible	2007-2011
Increasing the efficiency of the use of an important fund of local maize germplasm from Romania”, Project financed by UEFSCDI, Bucharest. Project coordinator ARDS Suceava	Project responsible	2008-2011
Collecting local landraces of maize and cereals (wheat, barley, rye, oat, millet and buckwheat) in South Eastern Europe . Project financed by SEEDNet. Project Coordinator Plant Breeding Institute, Skopje, Macedonia.	Project responsible	2009-2010
Eastern European maize local landraces Network. Project financed by SEEDNet	Project manager	2007-2008
Survey mission in western part of Romania (Apuseni Mountains) of cereals and maize traditional plant varieties and landraces conserved on farm. Project financed by SEEDNet	Project manager	2006-2007
The study of the genetic diversity of traditional varieties and local populations in Romania, preserved <i>on-farm</i> . Project coordinated and financed by ECP/GR	Team member	2002-2003
Characterization of flax genetic resources from Europe and the transfer of information in the international database. Project coordinated and financed by ECP/GR	Team member	2000-2003;
Study on Agricultural Genetic Resources in the Carpathian – Inventory, Initiatives and Need for Action. Project coordinated and financed by „Safeguard for Agricultural Varieties in Europe”, St. Gallen, Switzerland	Project responsible	1999-2002
Inventory of the local maize landraces from the Carpathian Mountains, project financed by „Research Support Scheme”, Praha, Czech Republic	Project manager	2000-2002
Support for the Romanian program of plant genetic resources. Project financed by FAO. Project Coordinator Suceva Genebank	Team member	2000-2001
The comparative study of the physiological changes occurring as a result of natural and artificial accelerated aging treatments in the caryopsis of <i>Secale cereale</i> . Project financed by ANSTI Bucharest. Project Coordinator Suceava Genebank.	Team member	1999-2000
Characterization and evaluation of plant genetic resources for the preservation of genetic biodiversity and their use in breeding programs. Project financed by „Open Society Foundation”	Project manager	1998-2000

Professional prestige at national/international level

- Member of the editorial board of Journal „International Journal of Research in Agriculture and Forestry” (www.ijraf.org) (2017 - current);
- Referent for the characterization and evaluation descriptors for maize, developed by Bioversity International and the Global Crop Diversity Trust, together with 24 international experts (2009);
- Participant as director of the regional working group for South East Europe (SEEDNet) for cereals and maize in the implementation of the Strategic Program 2007-2010 for the conservation and use of plant genetic resources in SE Europe;

Member of national/international organizations

- Member of ECP/GR Working Group for maize from 2019 to current;
- Associate Member of Academy of Agricultural and Forestry Sciences „Gheorghe Ionescu Şişeşti”, Bucharest, Field Plant Crops Section, from 2015 to current;
- Member of ECP/GR Working Group for *AVENA* from 2010 to current;
- Leader of SEEDNet Working Group for cereals and maize (2005-2011);
- Member of the SEEDNet Steering Committee (2005-2011).

Communication and interpersonal skills

Communication skills thanks to the experience gained as an organizer of international scientific events:

- International Symposium “ Endangered Animal Breeds and Plant Varieties in the Carpathian Region”, Suceava, 24 - 28 May 1999;
- International Workshop of the European Project „Avena Genetic Resources for Quality in Human Consumption (AVEQ)”, Bucharest, 19-21 October 2010, Agricultural and Rural Development Ministry;
- The Meeting of the ECP/GR Working Group for Avena „ 6th Meeting of the ECPGR Avena Working Group”, Bucharest 22-24 October 2010, Agricultural and Rural Development Ministry;
- The International Expedition for collecting plant genetic resources from isolated villages located in Cluj and Alba counties, with the participation of 12 researchers from Serbia, Slovenia, Albania, Croatia, Macedonia, Bosnia&Herzegovina and Bulgaria.

Prizes awarded

- The Prize „Constantin Sandu Aldea” 2017, nr. 221, 19 December 2018, conferred by ASAS Bucharest for book „OAT”, authors: **Danela Murariu**, Domnica Daniela Plăcintă, Edit. Pim, Iasi, ISBN-978-606-13-3824-5;
- The Prize „Constantin Sandu Aldea” 2018, nr. 238, 11 December 2019, conferred by ASAS Bucharest for book „Wilde Relatives of Cultivated Plants in Romania” authors: Mihai Cristea și **Danela Murariu**, Edit. Pim, Iași, ISBN-978-606-13-4420-8;
- Award of excellence for Project coordination, with title „Inventory of the local maize landraces from the Carpathian Mountains, financed by „Research Support Scheme”, Praha, Czech Republic, project leader **Danela Murariu**, 2000-2002.

Additional information

In the last 20 years I have had responsibilities both nationally and internationally levels:

- On the national level, I carried out my entire activity at the Suceava Genebank, where I coordinated the activities of multiplication/regeneration, characterization and evaluation of plant genetic resources and last but not least the research activity of the institution. I have also been closely concerned with the national collection of local maize populations, where there are cultivars over 65 years old.
- On the international level, the most important achievements were those obtained in the period 2005-2011 when I coordinated the SEEDNet working group for cereals and maize for SE Europe, having an important role in initiating the conservation activities of plant genetic resources in the countries of the former Yugoslavia . Also, in the period 2007-2012, I worked alongside senior researchers from Europe, on the "Avena genetic resources for quality in human consumption" project, as the leader of a work package.

During the long period when I worked at Suceava Genebank, I accumulated a vast experience, in what represents the conservation and use of plant genetic resources for agriculture and food security.

04.08.2022

