

## **LIST OF RESEARCH PROJECTS**

### **Projects - RESEARCH ACTIVITY:**

#### **o National funding projects:**

1. The improvement of technology culture and the assortment of flat fruit peach and dwarf peach trees - member of research team (2000-2002)
  2. Contributions at the setting-rate of flat fruit peach tree by pruning and thinning of fruits - project manager (2001-2002)
  3. The assurance of fruits and fruit's distilled quality by HACCP method - member of research team (2001-2002)
  4. Researches concerning the anatomical, morphological and biochemical transformations which occur at the graft point level of cherry - project manager (2002-2005)
  5. Designing and implementing a sustainable management of agroecosystems fruit on numerical models and techniques assessing the impact of climate change satellite- member of research team (2006-2008)
  6. Conservation of natural resources and heritage of artificial fruit by high performance and sustainable land management and fruit tree plantations in expert system- member of research team (2006-2008)
  7. Integrated Information System for the identification, evaluation, planning and managing the national fund of medicinal herbs, aromatic and tinctorial (sources of raw materials for food, pharmaceutical and cosmetics) - member of research team (2006-2008)
  8. Developing and upgrading laboratories for Research Centre of Integrated and Organic Orchards - member of implementation team (2007-2009)
  9. Urban regeneration and environmental impact on society and converting buildings in Romania - member of research team (2008-2010)
  10. Promotion Sino-Romanian Cooperation in Government-Funded Innovation Projects - member of implementation team (2007-2009)
  11. Integrated Assessment Model of compatibility and incompatibility expression variety / rootstock in the cherry orchard – <http://www.cherry.webgarden.ro/> si <http://www.horticultura-bucuresti.ro/cercetare/proiecte/interne/model-integrat-de-evaluare-a-expresiei-compatibilitatii-si-incompatibilitatii-soi-portaltoi-la-cires> - project manager (2010 – 2012)
  12. Echange d'experiences pour developper le programme d'amelioration pommier et poier pour la resistance durable aux parasites - bilateral cooperation contract Ro-France - member of roumanian team (2011-2012)
  13. Organic apple cultivation, yellow varieties - bilateral cooperation contract RO-China - member of research team (2013-2014)
  14. Development of methods and techniques for integrated environmental and horticultural crops through the use of environmentally friendly products and biodegradable materials (FRIENDLYHORT) <http://www.friendlyhort-2012.eu/> - member of research team (2014-2016)
  15. Increased competitiveness in wine products, applying bioconversion technologies (WINESE) - member of research team (2014-2016)
  16. Innovation in berries culture (INNOBERRY) – TE project UEFISCDI – <http://innoberry.usamv.ro> - project manager (2015-2017)
  17. Enhancing strawberry assortment by introducing valuable genotypes – Bridge Grant 21BG/2016 – 2016-2019 – member
  18. Researches on the potential conversion of conventional fish farms into organic by establishing a model and good practice guide (ECOFISH) – 2015-2019 – member
  19. Enhancing institutional capacity of research-development-innovation in the field of organic pomiculture (ECOTEHNOPOM) – 2018-2020 – P2 (Fruit growing organic pre-harvest technologies for exploitation and propagation) – Project responsible; - P4 (Organic post-harvest technologies) – member and institutional responsible.
  20. ADER 144/19.09.2019. Identification, evaluation, testing, development and validation of methods of analysis of nutrients and contaminants from inputs used in organic farming (1.300.000 lei, 36 luni 19.09.2019.-15.09.2022), dir de proiect Roxana Madjar
  21. ADER 726/19.09.2019. Research on genetic variation, analyzed by the latest generation sequencing technology - NGS, in vegetable and fruit species of economic interest, in order to genotype them and obtain a database of genetic variations specific to native species (1.500.000 lei, 36 luni 19.09.2019.-15.09.2022), dir de proiect Amalia Udriste
- #### **o Mondial Bank Projects**
1. Implementation of the minimum input technologies at the apricot and peach culture in the south-east area of Dobrogea – member of the implementation team (2002-2005)
  2. New technological interventions in the production and exploitation of fresh perishable horticultural products Dobrogea – member of the implementation team (2008-2010)

3. Research on recovery apple culture to modern standards through the establishment of ecological planting disease resistant varieties grafted on low vigor rootstocks (M9) – member of the implementation team (2008-2010)

○ **European Commission funding projects**

1. Containment of Sharka virus in view of EU-expansion FP 7 - KBBE 2007-1-4-10, SharCo (2007-2012)

2. Marker Assisted Resistance to Sharka (MARS) - FP7-613654 - EC - GA (2013-present)

3. ProtectLife - Prevention of Water Contamination from Point Sources with Plant Protection Products by Improving Extension Specialists' Vocational Competences - 2017-1-TR01-KA202-045641 (2017-2019)

4. China – Romania Science and Technology demonstration park (2018)

5. Erasmus+ Undergraduate university module in permaculture: Creating new synergies between higher education and professionals to promote sustainable systems – BE01 AEF-EUROPE (2019-2022)

6. Erasmus + VIRAL – Vitalising ICT Relevance in Agricultural Learning - 609755-EPP-1-2019-1-BA-EPPKA2-CBHE-JP (2019-2022)

○ **SECTORAL OPERATIONALPROGRAMME HUMAN RESOURCES DEVELOPMENT / Human capital Projects**

1. “European Quality in Higher Education“, POSDRU/86/1.2/S/62249 – member of the implementation team (2010-2013)

2. “From university to active life“. POSDRU/189/2.1/G/155945 – Project manager (2015)

3. „Stagii de practica în sectorul agricol“, Proiect POCU 109308 – coordinator of practical stages (2019-2020)

○ **ERA-NET and ERA-NET Cofund projects (Horizon 2020)**

1. SUSFOOD (Sustainable Food)-FP7-ERANET-2011-RTD-KBBE.2011.2.6-02-Sustainable food production and consumption - GA no 291766 - (2011-2014)

2. Towards an ERA in Industrial Biotechnology” – ERA-IB 1 (2006-2011) - ERA-IB 2 (2012-2016), GA no 291814

3. FACCE Era Net Plus - Food security, Agriculture, Climate Change ERA-NET plus - FP7-ERANET-2013-RTD-KBBE.2013.1.4-05: Climate smart agriculture: adaptation of agricultural systems in Europe - ERANET+ - GA no 618105 - (2013-2018)

4. Belmont Forum Collaborative Research Action (CRA) & FACCE-JPI - Food Security and Land Use Change - 2013-2014

5. FACCE-JPI - Multi-partner Call on Agricultural Greenhouse Gas Research - 2013-2014

6. BiodivERsA/FACCE-JPI joint call on “Promoting synergies and reducing trade-offs between food supply, biodiversity and ecosystem services” 2013-2015

7. Core Organic Plus - 618107 - Innovative solutions in organic food and agriculture for next generation of food systems seeking synergies between rural development, natural resource management and food security and quality - 2013-2018

8. FACCE-SURPLUS COFUND 652615 - Sustainable and Resilient agriculture for food and non-food systems 2015-2020

9. ERA-GAS Cofund 696356 - ERA-NET for Monitoring & Mitigation of Greenhouse Gases from Agri- and Silvi-culture 2016-2021

10. CORE Organic Cofund – 727495 - Coordination of European Transnational Research in Organic Food and Farming Systems Cofund – 2016-2021

11. ERA CoBioTech – 722361 - ERA-NET Cofund on Biotechnologies – 2016-2021

12. BIODIVERSA3-Consolidating the European Research Area on biodiversity and ecosystem services – 642420 – 2015-2020

13. SUSFOOD 2- ERA-Net Cofund on Sustainable Food production and consumption - 727473 – 2017-2021

14. EU FRUIT - The European Fruit network – 696337 – 2016-2019

15. BiodivScen – Belmont Forum & Biodiversa - 776617 - Scenarios of biodiversity and ecosystem services (2017-2021)

16. SusCrop - Sustainable Crop Production – 771134 (2017-2021)

17. BiodivClim – Promoting and implementing joint programming to reinforce transnational research at the crossroad between biodiversity and climate change.- 869237 (2019-2023)

18. BiodivRestore - Promoting & implementing joint programming to reinforce transnational research for the conservation and restoration of degraded ecosystems and their biodiversity, including a focus on aquatic systems – 101003777 (2020-2024)