

CURRICULUM VITAE

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PERSONAL DATA

Date and place of birth: Athens, 23/7/58

Nationality: Greek

Marital status: Married with one child.

Permanent residence: 2 Hydras Str. 15122, Maroussi, Athens, Greece

Tel: +30-210 8053398

1. EDUCATION

- Graduated of the Agricultural University of Athens (1976-1982).
- Ph.D. Agronomy, Agricultural University of Athens, (1998). Topic of Doctorate “Population biology and control of *Sorghum halepense* L. Pers.”

1.1 SCHOLARSHIPS

Scholarships from the Hellenic State Scholarship Foundation as undergraduate student for four academic years (1977-‘78, 1978-‘79, 1979 -‘80 & 1980-‘81).

2. ACADEMIC & RESEARCH RECORD

- **Professor**, Laboratory of Agronomy, Department of Crop Science, AUA (2016).
- **Associate Professor**, Laboratory of Agronomy, Department of Crop Science, AUA (2012).
- **Assistant Professor**, Laboratory of Agronomy, Department of Crop Science, AUA (2006).
- **Lecturer** in Laboratory of Agronomy, Department of Crop Science, Agricultural University of Athens (2001).
- **Researcher**, Benaki Phytopathological Institute, Department of Weed Science (1984-86).

3. PROFESSIONAL EXPERIENCE

- **Head**, Laboratory of Weed Biology, Department of Weed Science, Benaki Phytopathological Institute (1986-2001).
- **Agronomist**, Agricultural Insurance Organization (1982-1983).

4. MEMBERSHIP IN SCIENTIFIC SOCIETIES

- Weed Science Society of Greece.
- Hellenic Scientific Association of Plant Breeding.

- European Weed Research Society.
- International Weed Science society.
- International Plant Parasitic Society.
- Plant Medicine Society of Greece.

5. MEMBERSHIP IN ACADEMIC CENTERS

- Participation in the Agrofood Specialization & Innovation Hub – Co organization of the Living Lab for the Study and Utilization of Natural Products of Medicinal and Aromatic Plants (MAPs) – Agricultural University of Athens (2021-today).
- Director of the Institute for the Study and Promotion of Medicinal Aromatic Plants - University Center for Research & Innovation - Agriculture University of Athens (2020 -today).
- Member of the Board of the K.E.DI.V.I.M. (Education and Lifelong Learning Center of Agriculture University of Athens (2019-today).

6. AREAS OF RESEARCH

- Field crops. Evaluation of field crops genotypes for yields and qualitative characteristics.
- Medicinal Aromatic plants (MAPs).
- Integrated and sustainable crop management.
- Weed Science.

6.1 SUBAREAS OF RESEARCH

- Drought tolerance assessment (agronomic and ecophysiological approach).
- Mitigation of field crops in climatic change.

6.2 PARTICULAR SCIENTIFIC ACTION

- Registration of field crops varieties in the National Catalogue of Crop varieties.
- Conservation of field crop genetic material (cereals) & guaranteed maternal plantations of Greek indigenous Medicinal Aromatic Plants.

7. AWARDS

- Award of “Agricultural excellence 2013” from Hellenic Marketing Academy for the project “Evaluation of micro and macro barley trials of Athenian Brewery SA” (2013).

- Award of Academic excellence (Hellenic Ministry of Educational affairs) for the research work “Assessment of wheat genotypes under water stress” (2012).
- Award of Academy of Athens for the Monography “Evaluating yield responses to water stress and drought resistance mechanisms of 20 local bread and durum wheat landraces” by authors, A. J. Karamanos, G. Economou, G. Livanos and A. Papastaurou. Agricultural University of Athens, (December 2008).

7.1 DISTINCTIONS

- Award for the second place in the “3rd Business Idea Competition of Agricultural University of Athens, “InnovInAgri”. Mentoring the team “NEFI MICROBREWERY–RAIN BEER”. Establishment of a microbrewery for the production of Bio-Friendly beer with the exploitation of rainwater. (2021).
- Award for the second place in the “2nd Business Idea Competition of the Agricultural University of Athens, “InnovInAgri”. Co mentoring the team “ERONTAS”, which created a beer, highlighting more its taste by adding Greek herbs (2018).
- Award for the third place in the “1st Business Idea Competition of the Agricultural University of Athens, “InnovInAgri”. Co mentoring the team “OH LIVE”, which created Greek herbs for herbal products in nespresso-compatible capsules, (2017).

7.2 PATENTS

- Development of a nutritional supplement based on the combination of hydroxytyrosol and essential oils of Oregano and sage. Industrial Property Organization: Depositor SYMBEEOSIS EY ZEIN S.A. (2022). **Participation in the research team.**
- Development of the Greek oregano variety “Arethousa” (*Origanum vulgare* subsp. *hirtum*). The first variety of Medicinal Aromatic Plant (MAP) registered in the National Catalog of Varieties of Plant species. Ministry of Agriculture and Food (2021). **Scientific responsible.**

7.3 REWARDS

- Student award to the undergraduate student Nikolakopoulou G., as best oral presentation of her bachelor thesis “Effect of irrigation on weed occurrence in Oregano crop” in the 19th European Weed Science Congress, Athens. Mentoring G. Economou (June 2022).

- Selection of the proposal "The journey of Oregano from tradition to innovation" (Economou et al.) in the presentation of AUA program for the entrepreneurship and innovation (Abu Babi, 2015).
- Selection of the research work "Prediction of climate change on cotton yields in Greece under eight climatic models using the Aqua Crop simulation model" (Voloudakis et al. 2013) for publication in "Special Issue of Agricultural Water Management (AGWAT) (2013).
- Selection of the article "Stimulating *Orobanche ramosa* seed germination with an *Ascophyllum nodosum* extract", by authors Economou et al. (*Phytoparasitica* 35: 367-375), as an educational material in the EWRS Workshop "Education and Training on: How to write a paper for a scientific journal", Kaposvar, Hungary (July 2010).

8. TEACHING RECORD

8.1 UNDERGRADUATE PROGRAM (AUA)

Principles of Crop Production - Field crops - Weed Science - Medicinal Aromatic Plants

8.2 POSTGRADUATE PROGRAM

AUA

- > Department of Crop Science. Sustainable Management in Agriculture. Weed Science (2005).
- > Department of Food Science & Human Nutrition. Medicinal and Aromatic Plants (2013-today).
- > Department of Agricultural Economics and Development. Farm business Management – Thematic issue: Medicinal Aromatic Plants.

UNIVERSITY OF THESSALY: Weed Science (1999-2004).

8.3 ERASMUS PROJECT

Undergraduate level:

- Greece – Turkey Bilateral Agreement. Agricultural University of Athens. Lectures on 'Principles of Crop Production' (2005).

- J.J. Strossmayer University in Osijek- Croatia. Erasmus [(HR OSIJEK01) - Greece Croatia Bilateral Agreement]. Lectures on Systematic, Biology and Ecology of Weeds” (2014).

Postgraduate Program:

- University of J.J. Strossmayer in Osijek Erasmus [(HR OSIJEK01) - Greece Croatia Bilateral Agreement]. Lectures on ‘Weed Science-Management strategies in weed control’ (2014).
- Erasmus plus “Sustainable Farming–SFARM”. Thematic issue “Sustainable options for the field crops in a climatic changeable environment” (2019).
- CLICHA Erasmus Plus “Climate Change in Agriculture”. Training of Professors in Mediterranean countries. EU. 586273- EPP-1-2017-1 EL-EPPKA2-CBHE-JP- (2018-2019).

8.4 EUROPEAN POSTGRADUATE PROGRAM ‘TEMPUS’

Coordination and organization of the teaching courses “Basic and Applied Weed Science”. Joint master’s degree in plant medicine (2012).

8.5 PROFESSOR TRAINING

Erasmus [(G ATHINE 03) - Greece Croatia Bilateral Agreement]. Reception of Professor Edita Štefanić, University of Osijek, Faculty of Agriculture in Osijek, Croatia, at the Laboratory of Agronomy for training in the topic “Weed Science (weed ecology, weed surveys, development of weed databases using GIS technologies and advanced statistics”) (2012).

9. DIPLOMA THESES

- Supervision in 7 PhD Theses (AUA).
- Supervision in more than 50 MSc Theses (AUA).
- Supervision in 1 MSc Thesis. Postgraduate Program of Mediterranean Agronomic Institute of Chania (MAICH).
- Member in the evaluation committee in more than 50 PhD Theses.
- Member in the evaluation committees in more than 70 MSc Theses.
- External evaluator in 2 MSc Theses in the Postgraduate Program of Mediterranean Agronomic Institute of Chania (MAICH).

10. TRAINING SEMINARS AND WORKSHOPS

- K.E.DI.VI.M. (Education and Lifelong Learning Center of Agriculture University of Athens) Educational seminar on "Aromatic and Medicinal plants: Production, Processing and Marketing". (Athens 2022). Certified training program: <http://www.acta.edu.gr>
Coordination.
- Participation in the seminars of Athenian Brewery S.A. in the frame of the 'Training Program for Barley Contract Growers' (2020).
- Advanced Workshop “Education & Training: Herbicide Resistance Identification Training, European Weed Research Society (EWRS) (Antalya, Turkey, 5-7 November 2019). **Scientific committee.**
- Advanced Workshop on “Weed Mapping as a Tool in Plant Ecology and Weed Management Mediterranean Agronomic Institute of Chania (MAICH) Crete (Greece 16 - 18 September 2019). **Organizer and Scientific Committee.**
- Summer School on “Weed Mapping as a Tool in Plant Ecology and Weed Management” Czech University of Life Sciences Prague, Czech Republic (16-21 July 2018). **Scientific Committee.**
- “NEW AGRICULTURE FOR A NEW GENERATION”. Training programs for the Greek young generation on ‘Medicinal and Aromatic Plants (MAPs). Stavros Niarchos Foundation (2018- 2019- 2020- 2021). **Coordinator.**
- Participation in the Seminar on "Aromatic Medicinal Plants". Training of Professors from University of Beijing in the framework of the Bilateral Cooperation of Greece and China. Agricultural University of Athens (2016).
- Participation in the training course “Attica Training school in Urban Agriculture. Arboriculture and Medicinal & Aromatic Plants: examples of urban implementation”. Agricultural University of Athens. EU Project (2015).
- TRIPTOPOLEMOS: Educational seminar on "Aromatic and Medicinal plants: Production, Processing and Marketing", Agricultural University of Athens. Educational program for young farmers/producers. Agriculture University of Athens (2013, 2014, 2016, 2018). **Organization and Coordination.**
- Participation in the seminars of the Educational Program "Integrated Management of Crop Enemies, Diseases and Weeds". A Training Program of Agronomists servants of the Ministry of Agriculture (Agricultural Applications Department). Recommendations in the field of Weed Management. Benaki Phytopathological Institute [1995-2000].

11. INTERNATIONAL COLLABORATIONS & SERVICES

- European Weed Research Society (EWRS). Common experiment of EWRS Working Groups members on ‘Variations of *Echinochloa crus-galli*’. Emergence behaviour depending on the population origin and growing site (2016-2019).
- University of Duzse and Canakkale Onsekiz Mart University, Turkey (2016-2018).
- Newe Ya'ar Research Center, Volcani Center, Israel (2014 -2018).
- Czech University of Life Science Prague, Faculty of Agrobiology, Food and Natural Resources (2014 -2019).
- Nebraska Linkoln University USA (2012-2016).
- University of J.J. Strossmayer in Osijek, Faculty of Agriculture, Croatia (2012-2015).

12. INTERNATIONAL & NATIONAL EXPERTISE

- Member of the National Climate Change Network “CLIMPACT”. Participation in the scientific committee representing the Agricultural University of Athens in the Action 5.2: Impact assessment in the agricultural sector. Funding from the Hellenic Ministry of Development and Investments, the General Secretariat for Research and Innovation (2022-).
- Head of the European Weed Research Society (EWRS) Working Group on “Weed Mapping” (2012-2020).
- Participation in Task Force of EWRS “Education and training” (2015-2020).
- Member of the Management Committee of the “Cost Action-846 on Sustainable Management of Parasitic Plants” (2005-2006).
- Participation in the Committee of Greek Ministry of Rural Development and Foods for the strategy plan on Aromatic/ Medicinal plants (2011).
- Member of the Advisory Committee of the Ministry of Rural Development and Food for the "Protection of Traditional Crops of Greece" (2008-2013).
- Member of the Advisory Committee of the Ministry of Rural Development and Food for the surveillance, evaluation and assignment of Subproject III: "Collection, Rescue and Protection of Plant Genetic Material" (2007-2013).

- Representative of Agriculture University of Athens for the Technical Committee of Propagating Material (T.C.P.M.) in the sub-sector of "Field Crops " (2007-2013).
- National Representative of Greece in European Weed Research Society (EWRS) (1999-2014).

13. INVITED SPEAKER

- Invited speaker at the Conference "CLIMATE CHANGE SCIENCE, STATE AND CITIZENS, organized by the GREECE GEOTECHNICAL CHAMBER. Ilioupoli Town Hall Athens (Jan 2019).
- Invited expert from the Management Body of Karpathos - Sarias to participate in the Action "Cooperation with scientific bodies for the Eco-Development area of North Karpathos - Sarias. Thematic Priority 51 – Promotion of Biodiversity & Nature Protection – Survey of aromatic medicinal plants in N. Karpathos." October 2015.
- Invited speaker in 10th Weed Science Congress Vrdnik Belgrade (21-23 September 2016).
- Invited speaker at the "Bioflora" intra-university network conference on "Aromatic & Medicinal Plants". Conference and Cultural Center of the University of Patras, (March 2015).
- Invited expert in the “Rice Workshop”, coordination of Duzce και Trakya Universities (Turkey) και the Turkish Ministry of Agriculture, Duzce, Turkey (14-16 December 2015).
- Invited expert in the “Workshop on site specific weed management in practice”. Newe-Yaar Research Center, Agricultural Research Organization, Volcani Israel (7-10 July 2015).
- Invited speaker in “6th International Weed Science Congress, Hangzhou, China (2012)” with title "The undesired vegetation in archaeological sites. Integrated management in respect to historic landscape” (2012).
- Invited expert and chair in the Satellite Workshop on "Measures preventing the introduction of invasive plants in arable crops, in the frame of “2nd Workshop on Invasive Alien Plants in Mediterranean Type Regions of the World”, Trabzon (TR), (2010).
- Invited speaker in the 8th International Workshop on “Physical and Cultural Methods on Weed control”. Instituto Agronomico Mediterraneo De Zaragoza, Zaragoza, Spain (9-11 March 2009).

14. SCIENTIFIC AND RESEARCH ACTIVITY

14.1 ORGANIZER / MEMBER OF SCIENTIFIC COMMITTEES

- **Coordination** of the expert's meeting on "Weed Spatial Dispersal for Mediterranean Type Climate", Agricultural University of Athens July 13th 2012, Athens (2012).
- Member in Organizing and Scientific Committee in the 1st International Conference Medicinal Crops (MEDICROPS'11). Challenges and Prospects for Sustainable Development in Small-Scale Farming. OECD Cooperative Research Program (2011).
- **Coordination** and organization of the Satellite Working Group for "Measures preventing the invasive plants in arable crops", "2nd Workshop on Invasive Alien Plants in Mediterranean Type Regions of the World", Trabzon (2010).
- Member of the Scientific Committees and Session Organizer in the European Weed Research Society Symposia and Workshops (2009-2020).
- Founding member of the EWRS Working Group on "Novel and Sustainable Weed Management in Arid and Semi-Arid Agroecosystems" (2007-).
- Member of the "Crop Wild Relatives" Forum (2007-2012).
- Participation in the "Cost Action-846 on Sustainable Management of Parasitic Plants" (2001-2006).
- Member of the Organizing and Scientific Committee in Scientific Symposia of Hellenic Weed Science Society (1999-today).

14.2 PROJECTS

1. GOOD: Agroecology For Weed, HORIZON-CL6-2022-FARM2FORK-02-two-stages (since 2025)
2. OpenAgri: The EU Project Empowering Farmers with Open-Source Tools - HORIZON EUROPE (since 2024).
3. National Research Network on Climate Change and its Impacts – CLIMPACT II» Participation in the Sub-Action: Impacts of climate change on product quality and the agricultural economy (from 2023 to present). Funding from GEK. National Development Program 2021-2025.
4. Participation in the project "Boosting SOcial and Organic farming for inclUusive and sustainable gRowing eConomiEs (SOURCE)". Strengthening organic

agriculture with a social label (social agriculture) and supporting farmers and vulnerable social group. Funded by EU. Coordination by “ New Agriculture New Generation” NGO, “AGRIFORM” & Hungarian University of Agriculture and Life Sciences” (2022-2023).

5. Cultivation, processing, and marketing of Greek medicinal and aromatic plants. – production of fresh and dry herbs, essential oils, spices and pharmaceutical products (2022 –2023). EU-ESPA DYPA 2020 (www.dypa.gov.gr). Certified training program: <http://www.acta.edu.gr> **Scientific Responsible in AUA.**
6. Monitoring of *O. cumana* (broomrape) races and other troublesome weeds in sunflower fields of North-East Greece (2022). Surveys in sunflowers crops and mapping of broomrape and other weeds spatial dispersal using GIS. Funded by BASF Hellas SA. **Scientific Responsible.**
7. Design, pilot application and evaluation of innovative methods for the feeding of the sheep and goats based on innovative phytotherapeutic prevention preparations - phytogetic feed additives-, based on domestic medicinal and aromatic plants (mainly oregano and its essential oil - oregano oil), without the administration of antibiotics EU- ΠΑΑ –ΕΣΠΑ 16.1 - 16.2 (2014-2020) Coordination University of Thessaly (2022-). **Scientific coresponsible in AUA.**
8. Development of standards and the quality signs for the for the medicinal aromatic plants (*Sideritis* spp and *Salvia* spp) and enforcement of best practices on, the harvest of natural wild plants, the use of propagation material for the cultivation, the processing and standardization. EU- ΠΑΑ –ΕΣΠΑ 16.1 - 16.2 (2014-2020) Coordination CIHEAM-MAICh. (2022-). **Scientific co responsible in AUA.**
9. Participation as Co- organizer of the Center of Specialization and Innovation in Agriculture. Agro-Know-Hub. Living Lab for the Study and Utilization of Natural Products of Medicinal and Aromatic Plants. Agricultural University of Athens. EU- Region of Attica (2021 -).
10. Participation as Co-designer of the project "Water for Tomorrow" for Sustainable Development through the better management of water resources in Greece concerning the Water Department of Thessaly. A program funded by Athenian Brewery S.A. Coordination by the Research Laboratory for Socio-Economic and Environmental Sustainability (ReSEES), with scientific responsible the Professor of the Athens University of Economics, Mrs. Phoebe Kountouri (2021-2023).
11. Integrated Modular Training and Consulting Program on Sustainable Conservation and Commercial Utilization of Native Medicinal and Aromatic Plants (MAPs) of Crete.”. ‘New Agriculture for the New Generation’ and S. Niarchos foundation. Coordination CIHEAM-MAICh. **Scientific Responsible in AUA** (2021-2022).

12. Proposed Activity Plan for Sustainable Development of Medicinal and Aromatic Plants' (MAPs') Sector in the implementation area of "Vamvakou Revival" Program Funding by S. Niarchos Foundation. (2020). **Scientific Responsible.**
13. Fava- Santorini: yield Improvement, production of health propagation material and description of the traditional variety and development of adapted cultural materials. EU- ΠΑΑ –Espa 2014/C198/01). (2020-) **Scientific co responsible in AUA.**
14. Herbicide assessment for *Cirsium arvense* and other broadleaf weeds in winter cereals. Research project funded by ADAMA Agan Ltd. Scientific Officer: G. Economou (2019-2020). **Scientific Responsible.**
15. "Benchmarking of the economic and competitiveness of durum wheat, with sunflower and rapeseed in two regions of Greece (Region of Larissa and Region of Evros)". Barilla Hellas (2019-2020). **Scientific Responsible.**
16. Climate Change in Agriculture / CLICHA KA2 – Cooperation for innovation and the exchange of good practices – Capacity Building in the field of Higher Education. (2018-2021).
17. Medicinal and Aromatic Plants (MAPs). Training Program, Business Plans Implementation and Development of Guaranteed Products. Recharging Greek Youth to Revitalize the Agriculture and Food Sector of the Greek Economy. Funding by S. Niarchos Foundation. (2018- 2020). **Scientific Responsible.**
18. Innovated biotechnological production of antioxidant natural products from microorganism and essential oils from Greek wild native flora for the development new qualitative health protected products and food supplements (ANTIOX – PLUS). ESPA 2014-2020 (Partnership Agreement for the Development Framework). Funded from Hellenic Ministry Economy & Development and EU (2017-2020). **Scientific Responsible in AUA.**
19. Barilla researching program: "Evaluation of the durability of the variety "Svevo", a durum wheat, under dry environmental conditions. (*Triticum turgidum* ssp. *durum* var "Svevo"). Barilla HELLAS (2017-2018). **Scientific Responsible.**
20. Climate Change Risk Assessment of Cyprus. CYPRUS GOVERNMENT- Ministry of Agriculture, Natural Resources and Environment and Department of Environment (EU) [Contract No 22/2014] (2016).

21. Herbicide assessment for *Cirsium arvense* and other broadleaf weeds in winter cereals. Research program funded by ADAMA AGAN Ltd. (2016–2017). **Scientific Responsible.**

22. Innovation and Entrepreneurship. “Medicinal Aromatic Plants (MAPs). From the tradition to the innovation. Possibilities of the utilization of oregano biotypes with origin the Ikaria Island. Implementation of an integrated management plan for MAPs, registration in the national catalogue of varieties of crop plants and production of propagating material. Research utilization program of the Agricultural University of Athens. Co-financing by the EU and the Municipality of Athens (2014-2015). **Scientific responsible.**

23. Register of the Percival Collection of the Laboratory of Agriculture. Action of the program "Organization and Implementation of a Digital Repository in the AUA.” ESPA program. **Scientific Responsible for the action** (2013-2015).

24. Santorini’s Split pea: “Improved productivity, production of healthy propagating material and a description of the traditional variety and development of adaptive cultivated materials.”, (EU ESPA 2014-2020).

25. Monitoring of *O. cumana* races and other key weeds in sunflower fields of North-East Greece. Funded by BASF Hellas (June–October 2015). **Scientific Responsible.**

26. Evaluation of micro and macro barley trials of Athenian Brewery SA. Research Project funded by Athenian Brewery-Heineken. (2012-today). **Scientific Responsible.**

27. Establishment of Impact Assessment Procedure as a tool for the sustainability of agro-ecosystem: the case of Mediterranean olives. Πρόγραμμα LIFE+ (EU) LIFE 09 ENV/GR/000302: Sage10. Coordination: Benaki Phytopathological Institute. Action: Assessment of weed populations in Greek olive trees in terms of the farming practices (2012-2014). **Scientific responsible in AUA.**

28. Sustainable management of *Ambrosia artemisiifolia* in Europe (SMARTER). COSTACTIONFA1203-SMARTER. **Representative in Greek management committee G. Economou (AUA)** (2012-2016).

29. Integrated management of vegetation at archaeological sites to protect monuments and enhance the historical landscape (THALIS), supported by EU and Ministry of Education, Lifelong Learning and Religious Affairs (2011-2015).

30. Climate change impacts on arable crop production (HERAKLITOS), supported by EU and Ministry of Education, Lifelong Learning and Religious Affairs (2010-2013).
31. Spatial distribution, assessment and use of Aromatic / Medicinal plants in the islands of East Aegean Ikaria and Fournoi. (Development Plan "Thisseas"). The project was financed by the Central Union of Municipalities and Communities of Greece under the 3rd EU Framework Program (2008 -2010). **Scientific Responsible.**
32. Investigation of the possibilities of the installation of Medicinal and Aromatic plants in the Municipalities of Falasia (N. Arkadia), of Filiatria and of Therapna (Lakonias). Action of Agriculture University of Athens, for the reconstruction of the fire-affected areas. Implementation program funded by the Latsis Foundation. **G. Economou and M. Polysiou Scientific Officers.** (2008-2010).
33. Installation of grasslands in the Municipality of Falasia (N. Arkadia). Action of Agriculture University of Athens for the reconstitution of the fire-affected areas. Implementation program funded by the Latsis Foundation. **G. Economou and I. Hadjigeorgiou Scientific Officers.** (2008-2010).
34. Deficit irrigation for Mediterranean agricultural systems (DIMAS), INCO-CT-2004-509087, supported by EU (2005-2008).
35. Training of the trainers for the field workers of the rural community in the Damont Gal, Wollanitazone, in Ethiopia. "Management of arable crops and field irrigation which enhance rural household incomes and food security", supported by Ministry of Foreign Affairs and NGO (2004).
36. Study of Greek native flora for medicinal, aromatic use (PYTHAGORAS) supported by EU and Ministry of Education, Lifelong Learning and Religious Affairs (2004-2007).
37. Assessment of wheat landraces with tolerance in drought stress (PYTHAGORAS) supported by EU and Ministry of Education, Lifelong Learning and Religious Affairs. **Scientific Responsible** (2004-2007).
38. Weed Survey in vineyards, supported by EU (INTEREGII) (1999-2002).
39. Development of integrated weeds and pathogens in legumes for the production of safe products, supported by the Greek Ministry of Agriculture (1997-1999).
40. Development of an integrated management system for controlling weeds and soil-born pathogens in glasshouses by means of combined applications of solarization,

microwaves and plant growth regulators, supported by the Greek Ministry of Research and Technology (1996-1998).

41. Integrated pests and weed management in vineyards, supported by Greek Ministry Research and Technology (1995-1997).
42. Biology and control of populations of *Sorghum halepense*, supported by Greek Ministry of Agriculture (1990-1992).
43. The Grasses of Greece, supported by the Greek Ministry of Research and Technology (1984-1986).

14.3 SCIENTIFIC ACTIVITIES IN THE DEVELOPMENT AND CONSERVATION OF FIELD CROP VARIETIES.

- Scientific responsible for the evaluation, selection and conservation of malting barley varieties of Athenian Brewery S.A (AUA- AB SA Cooperation) (since 2011).
- Participation in the development and conservation of a guaranteed maternal plantations' network of endemic Medicinal Aromatic Plants; in the White Mountains (Crete), Parnonas Mountain (Peloponissos) and Othrys Mountain (Thessaly). Action of the Institute for the research and marketing of Medicinal Aromatic Plants - InFAF(WWW.infaf) (2022-).
- Responsible for the conservation of 'Arethousa' the Greek Oregano variety, originated from Ikaria. Registered in the National Catalogue of Crop Varieties. Institute of Varieties' Evaluation for Registration. Ministry of Rural Development and Foods (2020).
- Co mentoring for design and creation of five pilot products of Aromatic and Medicinal Plants (2019-). (WWW.infaf).
- Maintenance of guaranteed maternal plantations, 'Arethousa' (*Origanum vulgare ssp. hirtum*), *Origanum dictamnus*, *Origanum majorana*, *Coridothumus capitatus*, *Thymbra capitata*, *Cistus salviifolius*, in Experimental station of Agronomy Lab. AUA (2020-)
- Maintenance of guaranteed maternal plants of native populations, i) mountain tea (*Sideritis perfoliata ssp. perfoliata*) and melissa (*Melissa officinalis ssp altissima*) originated from Koziakas, South Pindos Mountain and ii) mountain tea (*Sideritis cladestina spp. cladestina* from Parnonas mountain, in Experimental station of Agronomy Lab. – AUA (2019 -).
- Maintenance of guaranteed maternal plantation of native Greek medicinal aromatic plants; *Origanum intercedens*, *Salvia fruticosa*, *Crithmum maritimum*), *Ferula*

communis, *Artemisia arborescens*, *Teucrium capitatum*, in Agronomic Station of AUA in Spata - Attiki (2013-).

- Maintenance of guaranteed propagation material (seeds) of Greek chamomile (*Chamomilla recutita*) originated from a selected native population in Farsala . (2019-).

14.4 PARTICIPATION IN INNOVATION EXHIBITIONS

- 2nd Agri-Innovation Expo- Agricultural University of Athens (2023). Title of the idea: Presentation of the Greek oregano variety “Arethousa” (*Origanum vulgare* subsp. *hirtum*). The first variety of Medicinal Aromatic Plant (MAP) registered in the National Catalog of Varieties of Plant species – Ministry of Agriculture and Food.
- 3rd Business Idea competition of Agricultural University of Athens, INNOVINAGRI” (2021). Mentoring the team “NEFI Microbrewery – Rain Beer. Establishment of a Microbrewery for the production of Bio friendly beer with exploitation of rainwater (2nd Prize).
- 2nd Business Idea competition of Agricultural University of Athens, InnovInAgri” (2018). Mentoring the team “ERONTAS”, Production of a beer highlighting more its taste by adding Greek endemic herbs from Crete (2nd prize).
- 1st Business Idea Competition of Agricultural University of Athens InnovInAgri” (2017). Mentoring the team “OH LIVE”. Development of herbal beverages in capsules compatible in NESPRESSO- machines (3rd prize).
- Exhibition for the Innovation and Entrepreneurship. (Abu Babi, 2015) Utilization of the research at the Agricultural University of Athens. Title of the idea: Aromatic and Medicinal Plants. From Tradition to innovation. Possibilities of the utilization of oregano population with origin the Ikaria Island.

15. LIST OF PUBLICATIONS

15.1 PhD- THESIS

Economou, G. (1998). Biology and control of Johnsongrass (*Sorghum halepense* L. Pers) populations. Agricultural University of Athens.

15.2 MONOGRAFIES

1. Economou, G., Dimitrios Voloudakis, Christos Karavitis (2016). "Climate Change Risk Assessment, Agriculture Sector, Agronomy Subsector. Approach Report. Cyprus Government, Ministry of Agriculture Natural Resources and Environment.
2. Kalivas, D., Ch. Kolovos, G. Economou, M. Damanakis (2016). Digitization and geodatabase organization of Monography's material "The Grasses of Greece". Web site development: <http://poaceae.aua.gr>.
3. Karamanos, A.J., G. Economou, G. Livanos and A. Papastaurou (2008). Evaluating yield responses to water stress and drought resistance mechanisms of 20 local bread and durum wheat landraces. Pages 239. Agricultural University of Athens. *Academy of Athens Award*.
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and Sustainable Weed Management in Arid and Semi-Arid Agroecosystems and Weed Mapping', p.60, 29/9-3/10, Chania, Crete.

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76. Lyra, D., G. Economou and K. Sotirakoglou (2015). Can the efficacy of broomrape control methods be hampered by inter and intraspecific variability as observed in germination studies for three broomrape species. *In Abstracts of 17th EWRS Symposium 'Weed Management in changing environments'*, p. 139, 23-26 June 2015, Montpellier, France.

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16. EDITION OF PROCEEDINGS

Rubin B. and G. Economou (2007). Proceedings of 2nd International Conference on «Novel and sustainable weed management in arid and semi-arid agro-ecosystems» (2009), edited by B. Rubin and G. Economou, published by Agricultural University of Athens, September 2009, Santorini.
http://www.ewrs.org/arid/doc/EWRS_Arid_2nd_Conference_Greece_2009.pdf

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17. ADMINISTRATIVE ACTION

- Director of the sector ‘Agronomy, Plant Breeding, Biometrics and Meteorology. Department of Crop Science (2021-2023)
- Member of the CORPORATE FOR THE EXPLOITATION AND MANAGEMENT OF THE PROPERTY OF AGRICULTURAL UNIVERSITY OF ATHENS S.A. (2019-today).
- Participation in the team of Agriculture University of Athens, for configuring the landscape of the experimental field in Gialos in Spata (2015).
- Participation in the Commission for the award, evaluation and receipt of supplies for the Laboratory of Agronomy, Agriculture University of Athens (2015).
- Deputy Director of the Sector of Agronomy Improvement and Agricultural Experimentation (2015-2017).
- Appointment to the Scientific Approvals Board (SRB) of the National Medicines Agency (EOF) in the sector of herbal medicinal products (2014-2017).
- Participation in the Selection and Proclamation Committee of the MSc program "Sciences & Plant Production Systems, Direction: Integrated-Organic Production and Certification Systems (2013-today).

- Participation in Evaluation Committees in Academic and Institutional Elections (2013-).
- Chairman of the Committee for the qualification examinations in the Department of Crop Science in the Agriculture University of Athens (2011-today).
- Vice-President of the Institute of Agricultural Sciences – Ministry of Agriculture and Food) (2010-2013).
- Supervision of students during their internship, within the framework of the EPEAEK Program (2007-2015).
- Participation in the Committee of the Rector's Council with the task of submitting proposals for discussion at the General Meetings of the Agriculture University of Athens' faculties on the amendment of the Rules of Procedure of the University (2006).
- Evaluator of the State Scholarships Foundation (I.K.Y.) for the Scholarship Program (2006-2015).
- Participation in the Action of Agriculture University of Athens, to inform high school students about the courses of Agriculture University of Athens (2004-2016).