

CURRICULUM VITAE
Garyfallia Economou-Antonaka

Professor Emerita of Agriculture
Department of Plant Production Science
School of Plant Science
Agricultural University of Athens

Director, IN.FAF – University Research & Innovation Center

October 2025

Contents

1. **Personal Information** – p.3
 - 1.1 **Professional Experience** – p.3
2. **Education** – p.3
 - 2.1 **Professional Development / Training Courses** – p.3
 - 2.2 **Languages** – p.3
3. **Research Areas** – p.4
 - 3.1 **Special Scientific Activities** – p.4
4. **Memberships in Scientific Societies** – p.4
5. **Participation in Scientific Committees, Conferences, Working Groups** – p.4
6. **Awards – Distinctions – Invitations** – p.5
 - **Patents** – p.5
 - **Awards** – p.5
 - **Distinctions** – p.6
 - **Invitations** – p.6
 - **Invited Speaker at Workshops, Conferences, and Seminars (2012–2019) in Greece, Turkey, UAE, China, Israel, etc.** – p.6
7. **International Collaborations** – p.6
8. **Teaching Experience** – p.6
 - 8.1 **Undergraduate Program – AUA** – p.6
 - 8.2 **Postgraduate Programs – AUA** – p.6
 - 8.3 **Postgraduate Program – University of Thessaly** – p.7
 - 8.4 **European Tempus Postgraduate Program** – p.7
 - 8.5 **Erasmus Program** – p.7
 - 8.6 **Faculty Training** – p.7
 - 8.7 **Professional Development / Seminars** – p.7
9. **Research and Scientific Activity** – p.8
 - 9.1 **Research Projects** – p.8
 - 9.2 **Participation in International Conferences** – p.10
 - 9.3 **International Scientific Meetings and Working Groups (Workshops)** – p.10
10. **Publications / Writing Activities** – p.11
11. **Proceedings Publications** – p.32
12. **Special Scientific Activities for the Conservation and Promotion of Crop Varieties and Endemic Medicinal and Aromatic Plants** – p.33
13. **Administrative and Other Activities** – p.33

1. PERSONAL INFORMATION

- Date and place of birth: 23/07/1958, Athens, Greece
- Nationality: Greek
- Marital status: Married, one child
- Address: 2 Hydra St., 151 22, Marousi, Athens
- E-mail: economou@aua.gr

1.1 Professional Experience

- 1982–1983: Organization of Agricultural Insurance
 - April–December 1983: Benaki Phytopathological Institute (participation in a Mycology Laboratory program, Department of Plant Pathology)
 - 1984–1986: MFI – Weed Biology Laboratory, Department of Weed Science (program funded by the General Secretariat for Research & Technology)
 - 1988–2001: Head of Weed Biology Laboratory, Department of Weed Science, MFI
 - 1998: Senior Researcher C, MFI
 - 2001: Lecturer in Agriculture, Department of Crop Science, Agricultural University of Athens (AUA)
 - 2006: Assistant Professor of Agriculture, Department of Crop Science, AUA
 - 2012: Associate Professor of Agriculture, Department of Crop Science, AUA
 - 2016: Professor of Agriculture, Department of Crop Science, AUA
-

2. EDUCATION

- Admitted to the Agricultural University of Athens in 1976; graduated in 1982 with grade “Very Good (8)”
- Scholarship recipient, State Scholarships Foundation (IKY), 1977–1981
- PhD, Agricultural University of Athens: “*Biology and Control of Sorghum halepense L. Pers. Populations*” (July 1998, Grade: Excellent)

2.1 Professional Development / Training Courses

- Seminar: *Maintenance of Public and Archaeological Sites*, Pompeii, Italy, 28–30/09/1993 (in collaboration with MONSANTO)
- Course: *Statistical Assessment of Dose–Response Curves*, EWRS, Bari, 2005
- Course: *Statistical Assessment of Dose–Response Curves*, EWRS, Norway, 2007

2.2 Languages

- English: First Certificate in English (Cambridge)
 - French: Working knowledge
-

3. RESEARCH AREAS

- Major crops – variety evaluation

- Medicinal and Aromatic Plants (MAPs)
- Integrated and sustainable crop management
- Weed Science
- Assessment of abiotic stress tolerance in major crops
- Mitigation of climate change impacts on crop productivity

3.1 Special Scientific Activities

- Conservation of cereal and MAP genetic resources
- Registration of crop varieties in the National Variety Catalogue (Ministry of Agriculture, Greece)
- Responsible for the first Greek Oregano variety “Arethousa” in the National & Community Catalogues (CPVO 202303129)
- Development and maintenance of a network of mother plantations of native and endemic MAPs

4. MEMBERSHIP IN SCIENTIFIC SOCIETIES

- Hellenic Weed Science Society (since 1988)
- EWRS – European Weed Research Society (National Representative, 1999–2014)
- IPPS – International Plant Parasitic Society (since 2006)
- Hellenic Society for Plant Breeding and Agricultural Experimentation (since 2006)
- Founding member, EWRS Working Group “*Novel and Sustainable Weed Management in Arid and Semi-Arid Agroecosystems*” (2007)
- Founding member, Hellenic Phytopathological Society (2009)
- Member, EWRS Scientific Council (since 2012)
- Head, EWRS Working Group on Weed Mapping in Europe (since 2012)

5. PARTICIPATION IN SCIENTIFIC COMMITTEES, CONFERENCES, WORKING GROUPS

- Member, National Network for Climate Change *CLIMPACT* (2022–)
Participated in the AUA scientific committee representing Action 5.2: Assessment of impacts on the agricultural sector. Funded by the Hellenic Ministry of Development & Investments & General Secretariat for Research and Technology.
- Member of the Board of the Lifelong Learning Center (KEDIVIM), AUA (2022–)
- Participation in the organization of the Agro-Biotechnology Center of AUA (Agro-Know-Hub, Living Lab), EU Region of Attica (2021)
- Organized and chaired the *Weed Ecology* session, 17th EWRS Symposium, Montpellier, France, 23–26 June 2015
- Member, EWRS Task Force *Education and Training* (2015)
- Participation in EWRS Task Force *Education and Training* (2015–2020)
- Chair of Organizing Committee & member of Scientific Committee, Joint Workshop “*Novel and Sustainable Weed Management*”, MAICH, Chania, Crete, 29 Sep–3 Oct 2013

- Organized and chaired the *Weed Ecology* session, 16th EWRS Symposium, Samsun, Turkey, 24–27 June 2013
- Head, EWRS Working Group on Weed Mapping (2012–2020)
- Organized the scientific meeting “*Expert’s meeting on Weed Spatial Dispersal for Mediterranean Type Climate*”, AUA, Athens, July 2012
- Chaired the *Ecology and Population Biology of Parasitic Plants* session, 11th World Congress on Parasitic Plants, Martina Franca, Italy, 7–12 June 2011
- Participated in the Organizing & Scientific Committee of *1st International Conference on Medicinal Crops 2011 (MEDICROPS’11)*
- Organized and chaired *Integrated Weed Management in Vegetables and Minor Crops*, Joint Workshop, Huesca, Spain, 4–8 Sep 2011
- Chair of Organizing Committee & member of Scientific Committee, 2nd International Conference on Novel and Sustainable Weed Management, Santorini, 7–11 Sep 2009
- Member, Advisory Committee of the Ministry of Rural Development for *Protection of Traditional Crops*, 2008–2013
- Member, Scientific Committee, 1st International Conference on Novel & Sustainable Weed Management, Israel (2007)
- Representative of AUA in the Technical Committee on Propagation Material (TEPY), major crops sector (2007)
- Member, Ministry Advisory Committee monitoring/evaluating project *Collection, Rescue, and Protection of Plant Genetic Resources* (2007–2013)
- Member, *Parasitic Plant Working Group*, EWRS (since 2006)
- Member, *Forum Crop Wild Relatives* (since 2006)
- Member, Scientific Committee, 7th Mediterranean Symposium, Adana, Turkey (2003)
- Member, COST Action 846 on Sustainable Management of Parasitic Plants (2001–2006); Member, COST Management Committee from 2005
- Member, Organizing & Scientific Committee, Hellenic Weed Science Society (1990–present)

6. AWARDS – DISTINCTIONS – INVITATIONS

Patents

- Development of a dietary supplement based on hydroxytyrosol and essential oils of oregano & sage, Greek Patent Office, team participation, 2022
- Development of Greek oregano variety *Arethousa*, first MAP variety in the National & Community Catalogues (Ministry of Agriculture & CPVO 202303129), 2021

Awards

- Academy of Athens, 2008 – Monograph: *Evaluating Yield Responses to Water Stress and Drought Resistance Mechanisms...*
- Academic & Scientific Excellence Award, 2012 – Evaluation of wheat genotypes under drought
- Award for Agricultural Excellence “*Made in Greece*”, 2013 – *Contractual Barley Cultivation Program*, AUA
- InnovInAgri Competitions: 2nd place 2021 (*NEFI MICROBREWERY–RAIN BEER*), 2nd place 2018 (*ERONTAS*), 3rd place 2017 (*OH LIVE*)

Distinctions

- 19th European Weed Science Congress, 2022 – Best oral presentation by an undergraduate student
- Selected presentations/articles for educational or business programs (2010–2015)
- *Papadakis Award* for best written postgraduate announcement, 2014

Invitations

- Invited speaker at workshops, conferences, and seminars (2012–2019) in Greece, Turkey, UAE, China, Israel, etc.
 - Expert participation in actions and workshops on medicinal & aromatic plants, invasive plants, weed management, TEPY (2010–2015)
-

7. INTERNATIONAL COLLABORATIONS

- Erasmus [(HR OSIJEK01) – Greece–Croatia Bilateral Agreement, 2012 & 2014], University of J.J. Strossmayer, Osijek, Faculty of Agriculture
 - Erasmus [(CZPRAHA02) – Greece–Czech Bilateral Agreement, 2014], Czech University of Life Sciences, Prague, Faculty of Agrobiology, Food and Natural Resources
 - Nebraska Lincoln University, USA – Professor Steven Knezevic, Weed Scientist, External Researcher in THALIS Project (2012–)
 - Universities of Düzce and Çanakkale Onsekiz, Turkey, Departments of Plant Protection
 - Newe Ya'ar Research Center, Volcani Center, Israel, Department of Weed Science
-

8. TEACHING EXPERIENCE

8.1 Undergraduate Program – AUA

- Teaching courses: Agriculture, Industrial Crops, Medicinal and Aromatic Plants, Weed Science

8.2 Postgraduate Programs – AUA

- Department of Crop Science: Sustainable Crop Management, Weed Science
- Department of Food Science & Human Nutrition: Medicinal and Aromatic Plants
- Department of Agricultural Economics & Development: Farm Management – Medicinal and Aromatic Plants

8.3 Postgraduate Program – University of Thessaly

- Weed Science (1999–2004): Biology and ecology of weeds, competition, allelopathy, weed and herbicide management

8.4 European Tempus Postgraduate Program

- Coordination and teaching of *Basic and Applied Weed Science*
 - University J.J. Strossmayer, Osijek, Croatia
 - Lectures:
 1. Diagnosis and applications for herbicide residues & resistance
 2. Spatial and temporal changes of weed community
 3. GIS in Weed Science (cooperation with Prof. Kalivas)
 4. Data analysis from weed surveys
 5. Non-chemical options in weed control (2012)

8.5 Erasmus Program

8.5.1 Undergraduate level

- J.J. Strossmayer University, Osijek, Croatia – *Plant Systematics: Biology and Ecology of Weeds* (2014)
- Agricultural University of Athens – *Principles of Crop Production* (2004–2005)

8.5.2 Postgraduate level

- J.J. Strossmayer University, Osijek, Croatia – *Weed Science: Management Strategies in Weed Control* (May 2014)

8.6 Faculty Training

- Hosted Prof. Dr. Edita Štefanić, University of Osijek, Croatia, for training in *Weed Science* (11–24 March 2012)

8.7 Professional Development / Seminars

- Coordinated KEDIVIM seminar: *Medicinal & Aromatic Plants: Production, Processing and Marketing*, Athens, 2022
- Participation in Athens Brewing seminars: *Producer Training – Contractual Barley Cultivation*, 2020
- Organization & member of Scientific Committee, *Advanced Workshop on Weed Mapping*, MAICH, Crete, 16–18 Sep 2019
- Scientific Committee, EWRS *Herbicide Resistance Identification Training*, Antalya, Turkey, 5–7 Nov 2019
- Coordinated program *New Agriculture for a New Generation*, Stavros Niarchos Foundation, 2018–2021
- Summer School: *Weed Mapping as a Tool in Plant Ecology and Weed Management*, Czech University of Life Sciences, Prague, 16–21 Jul 2018
- Participation in AUA–Beijing seminar, Greece–China bilateral cooperation, *Medicinal and Aromatic Plants* (2016)
- Coordinated seminars *Medicinal & Aromatic Plants: Production, Processing, and Marketing*, AUA, Triptolemos programs, 2013–2015
- Weed Mapping Workshop, Czech University of Life Sciences, Prague, 10–11 Jul 2014
- AUA educational programs: *Training Agronomists of Fire-Affected Areas*, 2008–2010
- Faculty Training, National Technical University of Athens, 2007–2008
- Seminars *Integrated Management of Pests, Diseases and Weeds*, MFI, 1995–2000

9. RESEARCH AND SCIENTIFIC ACTIVITIES

9.1 Research Projects

- **GOOD: Agroecology for Weed**, HORIZON-CL6-2022-FARM2FORK-02-two-stages (since 2025)
- **OpenAgri** – Democratization of digital agriculture through customized open-source software and open-hardware solutions, HORIZON EUROPE (07/05/2024 – present)
- **CLIMPACT II** – National Research Network on Climate Change, Sub-action: Impacts on product quality and rural economy (2023–present), funded by General Secretariat for Research & Technology
- Development of standards and quality labels for medicinal and aromatic plants (*Sideritis spp.*, *Salvia spp.*) – EU-RDP-NSRF 16.1-16.2 (2014–2020), coordinated by CIHEAM-MAICh (2022–), co-scientific responsible AUA
- Innovative feeding methods for sheep and goats using phytotherapeutic feed additives, EU-RDP-NSRF 16.1-16.2 (2014–2020), coordinated by University of Thessaly (2022–), co-scientific responsible AUA
- Monitoring of *Orobanche cumana* (broomrape) races and other weeds in sunflower, NE Greece (2022), funded by BASF Hellas SA, scientific coordinator
- Cultivation, processing and marketing of Greek medicinal and aromatic plants – EU-NSRF DYPA 2020, scientific coordinator AUA
- **SOURCE: Boosting Social and Organic Farming**, EU funded (2022–2023), collaboration with NGOs and universities, coordinator/scientific responsible
- **New Agriculture for a New Generation** – MAPs Crete, Stavros Niarchos Foundation (2021–2022), scientific coordinator AUA
- Co-designer of the project “**Water for Tomorrow**”, EU funded, ReSEES, Athens (2021–2023)
- Santorini Fava – Variety improvement & tailored cultivation practices, EU-RDP-NSRF 2014/C198/01, 2020–, scientific coordinator AUA
- **Vamvakou Revival** – Sustainable MAPs Development Plan, Stavros Niarchos Foundation, 2020, scientific coordinator
- Benchmarking durum wheat, sunflower, rapeseed – Barilla Hellas (2019–2020), scientific coordinator
- Evaluation of herbicides for *Cirsium arvense* – ADAMA Agan Ltd. (2019–2020), scientific coordinator
- Climate Change in Agriculture / CLICHA KA2, 2018–2021
- Barilla Svevo durum wheat evaluation, Barilla Hellas (2017–2018), scientific coordinator
- **ANTIOX-PLUS**: Innovative biotechnological products, NSRF 2014–2020 (2017–2020), scientific coordinator AUA
- Herbicide assessment for *Cirsium arvense*, ADAMA Agan Ltd. (2016–2017), scientific coordinator
- Climate Change Risk Assessment of Cyprus, Cyprus Government / EU (2015–2016)
- Monitoring of *O. cumana* & key weeds, BASF Hellas (June–Oct 2015), scientific coordinator
- Recharging Greek Youth for Agriculture & Food Sector, Niarchos Foundation (2015–), scientific coordinator
- Medicinal and Aromatic Plants – Innovation & Entrepreneurship, 2014–2015, EU & Municipality of Athens, scientific coordinator
- Percival Collection Survey, NSRF (2013–2015), scientific coordinator

- Integrated vegetation management in archaeological sites, THALIS, 2012–2015, AUA Weed Science team
- Evaluation of barley trials, Athenian Brewery SA (2012–), scientific coordinators G. Economou & N. Derkas
- LIFE+ Sage10 – Olive agroecosystem assessment, 2012–2014, scientific coordinator AUA
- **SMARTER** – Ambrosia management, COST ACTION FA1203, 2012–2016, Greece: G. Economou & D. Vokou
- **HERACLITUS** – Climate change & crops, 2010–2013, scientific team
- MAPs Fourni Islands, 2009–2010, scientific coordinator
- Medicinal plants in fire-affected areas (Falesia, Filiatra, Therapna), 2008–2010, scientific coordinators
- Establishment of pastures in fire-affected areas, 2008–2010, scientific coordinators
- MAPs Ikaria Island, 2008–2010, scientific coordinator
- Evaluation of local wheat populations, PYTHAGORAS II (2005), scientific team
- Improvement of leafy vegetables of Asteraceae & Lamiaceae, PYTHAGORAS II (2005), scientific team
- Deficit Irrigation in Mediterranean Agroecosystems – DIMAS Project, 2004–2008, AUA scientific team
- Training of trainers – Ethiopia, 2003–2004, scientific team
- Weed survey in remote vineyard areas, 1999–2002, scientific coordinator
- Integrated management of fungal diseases and weeds in leafy vegetables, 1997–1999
- Integrated weed management in greenhouses, 1997–1999
- Unwanted vegetation in Pnyx, 1996–1997
- Vineyard areas of Mantinea & Santorini, 1995–1997
- Survey of cultivated and wild grass species in Greece, 1984–1986

9.2 Participation in International Conferences

- 10th European Conference on Precision Agriculture, 12–16 July 2015, Volcani Center, Israel
- 17th EWRS Symposium, Montpellier, France, 23–26 June 2015
- 16th EWRS Symposium, Samsun, Turkey, 24–27 June 2013
- 6th International Weed Science Congress, Hangzhou, China, 17–22 June 2012
- 11th World Congress on Parasitic Plants, Martina Franca, Italy, 7–12 June 2011
- 15th EWRS Symposium, Kaposvár, Hungary, 12–15 July 2010
- 10th World Congress on Parasitic Plants, Kusadasi, Turkey, 8–12 June 2009
- 2nd Int. Conference on Novel & Sustainable Weed Management, Santorini, Greece, 7–10 Sept 2009
- 5th Int. Weed Science Congress, Vancouver, Canada, June 2008
- 2nd Int. Symposium Intractable Weeds, Osijek, Croatia, Sept 2008
- 1st Int. Symposium on Novel & Sustainable Weed Management, Hebrew University, Rehovot, Israel, Oct 2007
- 14th EWRS Symposium, Hamar, Norway, June 2007
- 12th Congress Mediterranean Phytopathological Union, Rhodes, Greece, 11–15 June 2006
- 13th EWRS Symposium, Bari, Italy, 2005
- 12th EWRS Symposium, Wageningen, NL, 24–27 June 2002

- 11th Int. Conf. on Weed Biology, Dijon, France, 6–8 Sept 2000
- 1st European Conf. on Pesticides & Organic Micropollutants, Ioannina, Greece, Oct 2000
- 11th EWRS Symposium, Basel, Switzerland, 22–29 June 1999
- 6th Mediterranean EWRS Symposium, Montpellier, June 1998
- 10th EWRS Symposium, Poznan, Poland, 1977

9.3 International Scientific Meetings and Working Groups (Workshops)

- Advanced Workshop “*Herbicide Resistance Identification Training*”, EWRS, Antalya, Turkey, 5–7 Nov 2019 – Scientific Committee
- Advanced Workshop “*Weed Mapping*”, MAICH Crete, Greece, 16–18 Sept 2019 – Organizer & Scientific Committee
- Summer School “*Weed Mapping*”, Czech University of Life Sciences Prague, 16–21 July 2018 – Scientific Committee
- Weed Mapping Workshop, Prague, July 2014
- Joint EWRS Workshop: *Novel & Sustainable Weed Management*, Chania, Crete, 29 Sept–3 Oct 2013
- 2nd Workshop on *Weed Mapping*, Jokioinen, Finland, 21–23 Sept 2011
- 9th Workshop on Physical & Cultural Weed Control, Samsun, Turkey, 28–30 Mar 2011
- Joint Workshop *Weed Management in Vegetables & Arid Climates*, Huesca, Spain, 4–8 Sept 2011
- 2nd Int. Workshop on Invasive Plants, Mediterranean Type, Trabzon, Turkey, 2–6 Aug 2010
- 8th Workshop Physical & Cultural Methods on Weed Control, Zaragoza, Spain, 9–11 Mar 2009
- Expert meeting *Red List for Crop Wild Relatives*, Cascais, Portugal, 12–16 Apr 2009
- Final Meeting COST ACTION 846, Lisboa, Portugal, 23–24 Nov 2006
- Workshop COST ACTION 849: Parasitic Plant Management, Newe Ya’ar, Israel, 4–6 Dec 2005
- Workshop *Genetic Diversity of Parasitic Plants*, Cordoba, Spain, 19–21 Feb 2004
- Workshop *Resistance to broomrape in grain legumes*, Palermo, Italy, 27–29 May 2004
- Workshop *Control of Parasitic Weeds, Lab to Field*, Cordoba, Spain, 18–20 Nov 2004
- Workshop *Biology & Control of Broomrape*, Athens, Greece, 28 Oct–2 Nov 2003
- Working Group “*Weeds & Biodiversity*”, EWRS, Wageningen, 27 June 2002
- Workshop “*Weed Resistance in Herbicides*”, EWRS, Wageningen, 28–29 June 2002
- Working Group “*Biology & Ecology of Weeds – Seed Bank & Vegetation*”, EWRS, Basel, June 1999
- Workshop EWRS “*Weed Resistance in Herbicides*”, Basel, June 1999

10. WRITING / PUBLICATIONS

10.1 Books, Monographs, and Book Chapters

1. Economou, G., A. Uludag and H. Kraehmer (2016). *Special crop view/mapping of cotton weeds*, in *Atlas of Weed Mapping* (ed. Hansjörg Krähmer), pp. 87-102, WILEY Blackwell. Chapter in atlas.
2. Economou, G., D. Voloudakis, C. Karavitis (2016). *Climate Change Risk Assessment, Agriculture Sector, Agronomy Sub-sector. Approach Report*. Cyprus Government, Ministry of Agriculture, Natural Resources and Environment.
3. Kalyvas, D., Ch. Kolovos, G. Economou, M. Damanakis (2013). *Digitization and organization of the geodatabase of materials of Monographs A1 and A8 and development of website* (<http://poaceae.aua.gr>).
4. Travlos, I.S. and G. Economou (2010). *Effects of no-till farming on global weed-related problems and weed communities of Greece and the ongoing challenges of integrated weed and crop management*. In: *No-till Farming, Effects on Soil, Pros and Cons and Potential* (ed. T. Nardali), pp. 145-157. Nova Science Publishers, Hauppauge, NY.
5. Damanakis, M. and G. Economou (2009). *Distribution of Grasses in Greece*. In: *The Grasses of Greece* (continuation of Damanakis 2009), pp. 60-66, Natural History Museum of the University of Crete. Chapter in monograph.
6. 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*. Agricultural University of Athens, 239 pp. Awarded by Academy of Athens. Monograph.
7. Gerasopoulos, E., C. S. Zerefos, I. Tsagouri, D. Founda, V. Amiridis, A. F. Bais, A. Belehaki, N. Christou, G. Economou, M. Kanakidou, A. Karamanos, M. Petrakis and P. Zanis (2008). *The Total Solar Eclipse of March 2006: Biosphere-Crops Overview*. In *Atmospheric Chemistry and Physics*, 8(17), pp. 5205-5220. Special Issue. Cited 32 times.
8. Travlos, I.S., G. Economou and A.J. Karamanos (2007). *Review article: Outstanding mechanisms of drought adaptation of wild or underutilized plants of arid and semi-arid regions*. In: *Droughts: Causes, Effects and Prediction* (ed. J. M. Sanchez), Chapter 10, pp. 277-290. Nova Science Publishers, Hauppauge, NY. Review article.
9. Avgoulas, Ch., G. Economou, D. Lyra, A. Papastavrou, G. Livanos, A. Kollias (2004). *Principles of Crop Management: A practical approach for cultivation and water conservation*, 237 pp. Scientific manual within the project *Training of the Trainers for Field Workers in the Damont Gale, Wollanita Zone, Ethiopia: Management of Arable Crops and Field Irrigation*.
10. Paspatis, E. and G. Economou (2000). *General Principles of Integrated Weed Management*. Notes from the training program *Integrated Pest, Disease and Weed Management of Crops*, Benaki Phytopathological Institute, pp. 1-32, June 2000, Kifisia, Athens.
11. Economou, G. (1998). *Biology and control of Sorghum halepense L. Pers. populations*. PhD Thesis, Agricultural University of Athens.
12. Damanakis, M. and G. Economou (1987). *The Grasses of Greece – Distribution in Greek Territory*. Benaki Phytopathological Institute, 326 pp., Athens. Monograph.

10.2 Research Articles

10.2.1 Peer-Reviewed Journals

1. Loukas Orfeas Loukakis, K. Giannoulis, E. Garoufali , Th. Karaviti, K. Sotirakoglou, V. Kotoulas, P. Papastylianou and G.Economou (2025). Integrating of Biostimulants Alongside Various Advanced Nitrogen Fertilization Practices Improve the Yield, Quality and Sustainability of Malting Barley in Mediterranean Conditions. *Agronomy*-3881460 <https://doi.org/10.20944/preprints202509.0585.v1>
2. Gavriil, E., I. Eleftherohorinos, S. Knezevic, P. Tarantilis, D. Daferera, K. Sotirakoglou, G. Economou (2025). Efficacy of herbicides and flaming against weeds and their effects in oregano (*Origanum vulgare* ssp. *hirtum*) tolerance. *Crop Protection* 199 (2026) 107437 <https://doi.org/10.1016/j.cropro.2025.107437>
3. Doulfi, D., G. Economou, P. Madesis, L.Karapetsi and I.G. Eleftherohorinos (2025). Double Mutations Drive Multiple Resistances to Herbicides in Greek Rigid Ryegrass (*Lolium rigidum* Gaudin). *Agronomy* 2025, 15, 1532. <https://doi.org/10.3390/agronomy15071532>
4. Spilioti, M., K.Tousis , G. Papakonstantinou, E. Meletis, A. Manouras, E. Nellas, G. Economou, V.G. Papatsiros and K.Tsiboukas (2025). Techno-Economic Analysis of Innovative Phytogenic-Based Supplements for Ruminant Health and Productivity. *Agriculture* 2025, 15, 1090. <https://doi.org/10.3390/agriculture15101090>
5. Kotoula, D., Eleni G. Papazoglou, G. Economou, P. Trigas and D.L. Bouranis (2024). Phytoremediation Potential of Flax Grown on Multimetal Contaminated Soils: A Field Experiment. *Plants* 2024,13,1541. <https://doi.org/10.3390/plants13111541>
6. Kanellou, E., M., Papafotiou, C., Saitanis, G., Economou (2024) Ecological analysis and opportunities for enhancement of the archaeological landscape: the vascular flora of seven archaeological sites in Greece. *Environments*, 11, 16. <https://doi.org/10.3390/environments11010016>
7. Ninou, E., I. Mylonas , Ch. Alexandris , E. Chatzivasileiou , G. Economou , F. Papathanasiou , D. Vlachostergios , K. Koutis and A. Tsipi (2024). Brining Added Value to a Protected Designation of Origin (PDO) Product through the Security of the Traditional Cultivar and Farmers Network. In *Proceedings of 17th International Conference of the Hellenic Association of Agricultural Economists Proceedings* 2024, 94(1), 49;<https://doi.org/10.3390/proceedings2024094049>
8. Kanellou, E., M., Papafotiou, G., Economou, N., Ntoulas (2023) Soil solarization as an alternative weed control method for Archaeological Sites in the Mediterranean Region. *Sustainability* 15(14), 11324; <https://doi.org/10.3390/su151411324>
9. Yannis Simos, S., Zerikiotis, P., Lekkas, A.M., Athinodorou, Ch., Zachariou, Ch., Tzima, A., Assariotakis, D. Peschos, K., Tsamis, M., Halabalaki, F., Ververidis, E., Trantas, G., Economou, P., Tarantilis, A., Vontzalidou, I., Vallianatou, Ch., Angelidis, P. Vezyraki (2023). Oral Supplementation with Hydroxytyrosol Synthesized Using Genetically Modified *Escherichia coli* Strains and Essential Oils Mixture: A Pilot Study on the Safety and Biological Activity. *Microorganisms*, 11(3),770; <https://doi.org/10.3390/microorganisms11030770>
10. Vasilaki, Ch., A., Katsileros, D., Doulfi, A., Karamanos, G., Economou (2023) Evaluation of the adjustment of two natural populations, three intermediate and two modern varieties of six-row and two-row barley (*Hordeum vulgare* Jess.) in water stress conditions. *Agronomy research* 21(1), 222–238, 2023 <https://doi.org/10.15159/AR.22.083>
11. Vahamidis P., A., Stefopoulou, V., Kotoulas, P., Bresta, D., Nikolopoulos, G. Karabourniotis, G. Mantonanakis, Ch. Vlachos, N. Dercas, G., Economou (2022) Grain size variation in two-

rowed malt barley under Mediterranean conditions: Phenotypic plasticity, relevant trade-offs and ideotyping. *Field crop research*, 279 108 454 <https://doi.org/10.1016/j.fcr.2022.108454>

12. Tomou, E.M., H., Skaltsa, G. Economou, A. Trichopoulou (2022) Sustainable diets & medicinal aromatic plants in Greece: Perspectives towards climate change. *Food Chemistry* [10.1016/j.foodchem.2021.131767](https://doi.org/10.1016/j.foodchem.2021.131767)
13. Royo-Esnal, A., A., Onofri, A., Taab, D., Loddio, J., Necajeva, A., Uludag, I., Calha, P.K., Jensen, A., Synowiec, L., Andersson, P.K., Jensen, I., Uremis, G., Economou, A.J., Murdoch, K.S., Tørresen (2022) Comparing the emergence of *Echinochloa crus-galli* populations in different locations. Part II: similarities and threshold parameters" *Weed Research*. 62:203–214. <https://doi.org/10.1111/wre.12529>
14. Royo-Esnal, A., A., Onofri, D., Loddio, J., Necajeva, P.K., Jensen, P.K., G. Economou, A., Taab, A., Synowiec, I., Calha, L., Andersson, A., Uludag, I., Uremis, A.J., Murdoch, K.S. Tørresen (2021) Comparing the emergence of *Echinochloa crus-galli* populations in different locations. Part I: variations in emergence timing and behaviour of two populations". *Weed Research*. 2022; 62:192–202. <https://doi.org/10.1111/wre.12525>
15. Kanellou, E., M., Papafotiou, G., Economou, A., Paraskevopoulou, E., Kartsonas, N., Ntoulas (2021). Response of sown herbaceous forb mixtures suitable for aesthetic improvement and vegetation management at archaeological sites of the Mediterranean region. *Ecological Engineering* 167. <https://doi.org/10.1016/j.ecoleng.2021.106256>
16. Vahamidis, P., A., Stefopoulou, V., Kotoulas, D., Voloudakis, N., Dercas, G. Economou, G. (2021) A further insight into the environmental factors determining potential grain size in malt barley under Mediterranean conditions. *European Journal of Agronomy*, 122: <https://doi.org/10.1016/j.eja.2020.126184>
17. Vahamidis, P., A., Stefopoulou, A., Ch., Lagogianni, G., Economou, G., N., Dercas, V., Kotoulas, D., Kalivas, D. and D., Tsitsigiannis. (2020) *Pyrenophora teres* and *Rhynchosporium secalis* Establishment in a Mediterranean Malt Barley Field: Assessing Spatial, Temporal and Management Effects. *Agriculture* 2020, 10, 553; <https://doi.org/10.3390/agriculture10110553>
18. Papazoglou, E., E., Alexopoulou, G. Papadopoulos, and G. Economou-Antonaka G. (2020). Tolerance to Drought and Water Stress Resistance Mechanism of Castor Bean. *Agronomy* 10, 1580; <https://doi.org/10.3390/agronomy10101580>
19. Assariotakis' A., A., Karachaliou, K. Lontou, I. Katsikis, D. Kalyvas, P. Tarantilis, G. Economou (2020). Evaluation of the effect of different levels of nitrogen fertilization on oregano cultivation (*Origanum x intercedens*) concerning morphological and quantitative characteristics. Monitoring of the plantation using Geographic Information Systems. In Proceedings of 28th International Symposium, Fertilization and Nutrient Use Efficiency in Mediterranean Environments. 3-4, November 2020, Athens, Greece, pages 175-180. https://www.proceedings_of_the_28th_International_Symposium_of_CIEC_the_International_Scientific_Centre_for_Fertilizers
20. Vahamidis, P., A. Stefopoulou, Ch. Lagogianni, G. Economou, N. Dercas, V. Kotoulas, D. I., Tsitsigiannis' Assessing the combined effect of nitrogen rate and net form net blotch presence on malt barley yield and quality parameters. In Proceedings of 28th International Symposium. Fertilization and Nutrient Use Efficiency in Mediterranean Environments. November 2020, Athens, Greece, pages 205-208. https://www.proceedings_of_the_28th_International_Symposium_of_CIEC.The_International_Scientific_Centre_for_Fertilizers

21. Kräbmer, Hansjörg Ch. Andreasen, G. Economou, J. Holec. G. Fried (2020). [Weed surveys and weed mapping in Europe: State of the art and future tasks](https://doi.org/10.1016/j.cropro.2019.105010): Crop Protection 129://doi.org/10.1016/j.cropro.2019.105010
22. Vahamidis, P., A. Karamanos, G., Economou (2019). Grain number determination in durum wheat as affected by drought stress: An analysis at spike and spikelet level *Ann Appl Biol.*: 174:190–208. <https://doi.org/10.1111/aab.12487>
23. Voloudakis, D., A. Karamanos, G. Economou, J. Kapsomenakis, Ch. Zerefos (2018). A comparative estimation of climate change impacts on cotton and maize in Greece. *Journal of water and climate change*: 9 (4): 643-656. <https://doi.org/10.2166/wcc.2018.022>
24. Fanouriou, E., D., Kalivas, P., Tarantilis, D., Daferera, P., Trigas P., G. Economou, G. (2018). Hippocratic medicinal flora on the Greek Island of Kos: Spatial distribution, assessment of soil conditions, essential oil content and chemotype analysis *JOURNAL OF APPLIED RESEARCH ON MEDICINAL AND AROMATIC PLANTS*: 2: 97-109 <https://doi.org/10.1016/j.jarmap.2018.03.003>
25. Bresta, P., D., Nikolopoulos, V., Stavroulaki, P., Vahamidis, G., Economou and G., Karabourniotis (2018) How does long-term drought acclimation modify structure-function relationships? A quantitative approach to leaf phenotypic plasticity of barley *Functional Plant Biology Functional Plant Biology* 45(12) 1181-1194 <https://doi.org/10.1071/FP17283>
26. Vahamidis, P., A., Stefopoulou, V. Kotoulas, D., Lyra N., Dercas, G. Economou (2017). Yield, grain size, protein content and water use efficiency of null-LOXmalt barley in a semiarid Mediterranean agroecosystem. *Field Crops Research*: 206:115–127 <https://doi.org/10.1016/j.fcr.2017.02.022>
27. Kanellou, E., M., Papafotiou, G., Economou, A. Paraskevopoulou (2017) Developing wildflower meadows for the enhancement of the archaeological landscape *Acta Horti* 1189 43-48 <https://doi.org/10.17660/ActaHortic.2017.1189.8>
28. Papafotiou, M., E., Kanellou, and G., Economou (2017). Integrated design and management of vegetation at archaeological sites to protect monuments and enhance the historical landscape. *Acta Horti*. 1189, 1-10 <https://doi.org/10.17660/ActaHortic.2017.1189.1>
29. Kanellou, E., Papafotiou, M., Economou, G. and Ntoulas, N. (2017). Testing soil solarization as an alternative method for weed suppression at archaeological sites. *Acta Horti*. 1189, 69-72 <https://doi.org/10.17660/ActaHortic.2017.1189.13>
30. Lyra, D., D. Kalivas, G. Economou (2016). A large-scale analysis of Soil and bioclimatic factors affecting the infestation level of tobacco (*Nicotiana tabacum* L.) by *Phelipanche* species. *Crop protection* 83: 27-36. <https://doi.org/10.1016/j.cropro.2016.01.008>
31. Kanellou, E., G. Economou, M Papafotiou, N. Ntoulas, D. Lyra, E. Kartsonas, S. Knezevic (2016). Flame Weeding at Archaeological Sites of the Mediterranean Region. *Weed Technology*: 313:96-403 <https://doi.org/10.1017/wet.2016.31>
32. Karamanos, A.J., G. Economou, K. Sotirakoglou, D. Lyra, A. Papastavrou (2016). Assessing Greek bread wheat landraces for their drought resistance strategies. *Crop Science*: 57:1–11 <https://doi.org/10.2135/cropsci2016.06.0524>
33. Voloudakis, D., A. Karamanos, G. Economou, D. Kalivas, P. Vahamidis, V. Kotoulas, J. Kapsomenakis, C. Zerefos, (2015). Prediction of climate change impacts on cotton yields in

- Greece under eight climatic models using the AquaCrop crop simulation model and discriminant function analysis. *Agricultural Water Management* 147: 116–128. <https://doi.org/10.1016/j.agwat.2014.07.028>
34. Vahamidis, P., A. Karamanos, G. Economou, C. Fasseas (2014) A new scale for the assessment of wheat spike morphogenesis. *Annals of Applied Biology* 164: 220–231. <https://doi.org/10.1111/aab.12097>
 35. Economou, G., G. Panagopoulos, A. Karamanos, P. Tarantilis, D. Kalivas, V. Kotoulas (2014). An assessment of the behaviour of carvacrol - rich wild Lamiaceae species from the eastern Aegean under cultivation in two different environments. *Industrial Crop and Products* 54: 62-69. <https://doi.org/10.1016/j.indcrop.2013.12.044>
 36. Vahamidis, P., A. Stefopoulou, G. Stavrianakis, S. Bourogiannis, V. Kotoulas, N. Dercas, G. Economou (2014). Assessment of agronomic behavior of Null- Lox brewery barley varieties. *In Proceedings of 15th Conference of Greek Society of Plant Breeding*. Pages: 312-317, 15-17 October 2014, Larissa, Greece https://www.plantbreeding.gr/assets/pdf/15o_PROCEEDINGS.pdf
 37. Vassilaki Ch., G. Economou, A. Karamanos (2014). Tolerance of six and two rows barley genotypes (*Hordeum vulgare*) to water stress. *In Proceedings of 15th Conference of Greek Society of Plant Breeding*. Pages: 138-143, 15-17 October 2014, Larissa, Greece. https://www.plantbreeding.gr/assets/pdf/15o_PROCEEDINGS.pdf
 38. Tsiplakou, E., G. Economou, I. Hadjigeorgiou, A. Kominakis, G. Zervas (2013). Plant species mixtures for forage production for ruminant feeding under Mediterranean conditions. *Experimental Agriculture* 50: 426-437. <https://doi.org/10.1017/S0014479713000604>
 39. Voloudakis, D., A. Karamanos, G. Economou, D. Kalivas, P. Vahamidis, V. Kotoulas, J. Kapsomenakis, C. Zerefos (2013). Prediction of climate change impacts on cotton yields in Greece under eight climatic models using the AquaCrop crop simulation model. *In proceedings of "1st CIGR Inter-regional Conference on Land and Water Challenges"*, September 2013, Bari, Italy.
 40. Voloudakis, D. S., V. Kotoulas, C. Vlachos and G. Economou (2013). The possible impact of a 2⁰C air temperature increase on the weed flora and an arable crop in Greece. Studing the case of wild oat (*Avena sterilis* L.) and Wheat (*Triticum durum* L.). *In Book of Abstracts of 'Joint Workshop of the EWRS Working Groups: Novel and Sustainable Weed Management in Arid and Semi Arid Agroecosystems and Weed Mapping'*, p.51, 29/9-3/10, Chania, Crete.
 41. Sideridis, A., G. Economou, L. Kazakopoulos, C. Costopoulou, M. Ntaliani, A. Papastavrou (2013). Supporting innovative training for agronomists of medicinal plants. *In: Proceedings of 1st Medicinal Crops (Plants and Mushrooms). Challenges and Prospects for Sustainable Development in Small-Scale Farming*. OECD Co-operative Research Program on Biological Resource Management for Sustainable systems. pp 187-193, IAS, 9-11 November 2011, Athens.
 42. Kalivas, D., Christos E. Vlachos, Garifalia Economou, and Paraskevi Dimou (2012). Regional mapping of perennial weeds in cotton with the use of geostatistics. *Weed Science* 60: 233-243. <https://doi.org/10.1614/WS-D-11-00121.1>
 43. Bresta, P., D. Nikolopoulos, G. Economou, P. Vahamidis, D. Lyra, A. Karamanos and G. Karabourniotis (2011). Modification of water entry (xylem vessels) and water exit (stomata) orchestrates long term drought acclimation of wheat leaves. *Plant and soil* 347:179–193. <https://doi.org/10.1007/s11104-011-0837-4>

44. Travlos, S.I, C.N. Giannopolitis and G. Economou (2011). Diclofop resistance in sterile wild oat (*Avena sterilis* L.) in wheat fields in Greece and its management by means of other post-emergence herbicides. *Crop Protection* 30: 1449-1454. <https://doi.org/10.1016/j.cropro.2011.07.001>
45. Travlos, I.S., P.J. Kanatas, G. Economou, V.E. Kotoulas, D. Chachalis, and S. Tsioros (2011). Evaluation of velvetleaf interference with maize hybrids as influenced by relative time of emergence. *Experimental Agriculture*, 48: 127-137 <https://doi.org/10.1017/S0014479711000822>
46. Vahamidis P., S. Kotzamanidis, G. Economou, A. Karamanos (2011). Assessment of quantitative traits of varieties and local landraces under water stress in field conditions. In *Proceedings of 13th Conference of Greek Society of Plant Breeding*. Pages: 314-319, October 2011, Kalamata, Greece.
47. Kalivas D.P., G. Economou, and C.E. Vlachos (2010). Using geographic information systems to map the prevalent weeds at early stage of cotton crop in relation to abiotic factors. *Phytoparasitica* 38:299- 312 <https://doi.org/10.1007/s12600-010-0101-0>
48. Travlos, I.S., G. Economou and P.J. Kanatas (2010). Corn and barnyard grass competition as influenced by relative time of weed emergence and corn hybrid. *Agronomy Journal* vol 103:1-6. <https://doi.org/10.2134/agronj2010.0245>
49. Economou, G, G. Panagopoulos, P. Tarantilis, D. Kalivas, V. Kotoulas, I.S. Travlos, M. Polysiou, A. Karamanos (2010). Variability in essential oil content and composition of *Origanum hirtum* L., *Origanum onites* L., *Coridothymus capitatus* (L.) and *Satureja thymbra* L. populations from the Greek island Ikaria. *Industrial Crop and Products* 33: 236-241 <https://doi.org/10.1016/j.indcrop.2010.10.021>
50. Gikas, E., F. Bazoti, N. Papadopoulos, A. Alesta, G. Economou, A. Tsarbopoulos (2010). Quantitation of the flavonols quercetin and kaempferol in the leaves of *Trigonella foenum-graecum* by High-Performance Liquid Chromatography – Diode Array Detection. *Analytical Letters* 44: 1463-1472. <https://doi.org/10.1080/00032719.2010.512683>
51. Travlos, I.S., G.Economou, V.Kotoulas, P.Kanatas and A. Kontogeorgos (2009). Potential effects of diurnally alternating temperatures and solarization on purple nutsedge (*Cyperus rotundus*) tuber sprouting. *Journal of Arid environments* 73: 22-25. <https://doi.org/10.1016/j.jaridenv.2008.09.006>
52. Papafotiou M, E. Kanellou and G. Economou (2009). Alternative practices for vegetation management in archaeological sites – The case of Eleusis. ISHS – 2^{ed} International Conference on Landscape and Urban Horticulture. Bologna, Italy, 9-13 June 2009, Abstract pp. 160. *Acta Horticulturae*: <http://www.actahort.org/books/881>
53. Economou, Γ., E.D. Christou, A. Giannakourou, M. Tziortzou, E. Gerasopoulos, D. Georgopoulos, V. Kotoulas, D. Lyra, N. Tsakalis, P. Vahamidis, A. Karamanos (2008). Eclipse effects on field crops and marine micro-organisms: The March 2006 Total Solar Eclipse. *ATMOSPHERIC CHEMISTRY AND PHYSICS* 8(1):4665-4676. <https://doi.org/10.5194/acp-8-4665-2008>
54. Gikas, E., Alesta, G. Economou, A. Karamanos, A. Tsarmopoulos (2008). Determination of isoflavones in the aerial part of red clover by HPLC-diode array detection. *Journal of Liquid Chromatography and Related Technologies* 31 (8): 1181-1194 <https://doi.org/10.1080/10826070802000723>

55. Travlos, I.S., G. Economou and A.I. Karamanos (2008) Inhibitory effect of Marama (*Tylosema esculentum*) on the growth of oat (*Avena sativa*) and barley (*Hordeum vulgare*). *Journal of Biological Science* 8(5): 970-973. DOI: [10.3923/jbs.2008.970.973](https://doi.org/10.3923/jbs.2008.970.973)
56. Economou, G., D. Lyra, K. Sotirakoglou, K. Fasseas and P. Taradilis (2007). Stimulating *Orobanche ramosa* seed germination with an *Ascophyllum nodosum* extract. *Phytoparasitica* 35: 367-375 <https://doi.org/10.1007/BF02980699>
57. Travlos, I.S., G. Economou, P.J Kanatas and O. Tjakou (2007) Aspects of the allelopathic potential of horseweed (*Conyza albida*). *International Journal of Agricultural Research* 2(4): 397-401. DOI: [10.3923/ijar.2007.397.401](https://doi.org/10.3923/ijar.2007.397.401)
58. Travlos, I.S., G. Economou and A.I. Karamanos (2007) Seed germination and seedling emergence of *Spartium juncheum* L. in response to heat and other pre-sowing treatments. *Journal of Agronomy* 6(1): 152-156 DOI: [10.3923/ja.2007.152.156](https://doi.org/10.3923/ja.2007.152.156)
59. Avgoulas, C., Ilias S. Travlos, Vasilis Kotoulas, Efthimios Mygdakos and Garifalia Economou (2007) Effects of narrow rows and no tillage on growth parameters, fibre quality and yield components of cotton. *Journal of Food, Agriculture & Environment* 5 (2): 112-115. DOI: <https://doi.org/10.1234/4.2007.983>
60. Moschopoulou, G., I. Papanastasiou, O. Makri, N. Lambrou, G. Economou, K. Soukouli and S. Kintzios (2007). Cellular redox-status is associated with regulation of frond division in *Spirodela polyrrhiza*. *Plant Cell Reports* 26: 2063-2069 <https://doi.org/10.1007/s00299-007-0425-5>
61. Travlos, I.S., G. Economou, A.I. Karamanos (2007). Germination and emergence of the hard seed coated *Tylosema esculentum* (Burch) A. Schreib in response to different pre-sowing seed treatments. *Journal of Arid Environments*, 68: 501-507 <https://doi.org/10.1016/j.jaridenv.2006.07.001>
62. Economou, G., Ilias S. Travlos, Athanasios Folinas and Andreas J. Karamanos (2007) Greek oregano (*Origanum vulgare* ssp. *Hirtum*) as allelopathic plant. *Journal of Food, Agriculture & Environment – JFAE* Vol 5(1): 84-87 DOI: <https://doi.org/10.1234/4.2007.790>
63. Tsakalis, N., P. Vahamidis, B. Voloudakis, K. Sanidas, A. Papastavrou, G. Economou, A. Karamanos (2006). Effect of water stress on spike morphogenesis in durum and bread local wheat landraces. In *Proceedings of 11th Conference of Greek Society of Plant Breeding*. Pages: 368-375, 31 October – 2nd November, Orestiada, Greece.
64. Travlos I. and G. Economou (2006) Optimization of seed germination and seedling germinability of *Medicago arborea*. *International Journal of Botany* 2(4): 415-420. DOI: [10.3923/ijb.2006.415.420](https://doi.org/10.3923/ijb.2006.415.420)
65. Economou, G., D. Bilalis, and Ch. Avgoulas (2005). Weed flora distribution in Greek cotton fields and its possible influence by herbicides. *Phytoparasitica* 33: 406-419 <https://doi.org/10.1007/BF02981309>
66. Mygdakos, E., C. Avgoulas, K. Adamidis and G. Economou (2004). Cotton cultivation on narrow- rows as an alternative culture method: Production and economics. *Food, Agriculture & Environment* 2: 198-201. [Researchgate.net/profile/E-Mygdakos/publication/267709395_Cotton_cultivation_on_narrow_rows_as_an_alternative_culture_method_Production_and_economics/links/558a580d08ae9076016fc8dd/Cotton-cultivation-on-narrow-rows-as-an-alternative-culture-method-Production-and-economics.pdf](https://www.researchgate.net/profile/E-Mygdakos/publication/267709395_Cotton_cultivation_on_narrow_rows_as_an_alternative_culture_method_Production_and_economics/links/558a580d08ae9076016fc8dd/Cotton-cultivation-on-narrow-rows-as-an-alternative-culture-method-Production-and-economics.pdf)

67. Tjakou, O., E. Ganni, G. Economou, A. Giannitsaros (2004). Chemical composition and allelopathic activity of oil and volatile fractions of *Conyza albida* Willd ex Sprengel from Greece. *Journal of Essential Oil Research* 16: 425-428
<https://doi.org/10.1080/10412905.2004.9698762>
68. Nectarios, P., G. Economou and Ch. Avgoulas (2004). Allelopathic effects of *Pinus halepensis* pine needles on turfgrasses and biosensors. *Hort Science* 40(1): 246-250.
DOI: [10.21273/HORTSCI.40.1.246](https://doi.org/10.21273/HORTSCI.40.1.246)
69. Kintzios, S., M. Makrygianni, E. Pistola, P. Panagiotopoulos, G. Economou (2003). Effect of amino acids and amino acid analogues on the vitro expression of glyphosate tolerance in Johnson grass (*Sorghum halepense* L. pers.). *Food, Agriculture & Environment* 1(3): 180-184.
70. Economou, G., O. Tjakou, A. Giannitsaros, D. Bilalis (2002). Allelopathic activity of *Conyza albida* on *Avena sativa* and *Spirodella polyrhiza*. *Journal of Agronomy and Crop Science*, 188: 248-253 <https://doi.org/10.1046/j.1439-037X.2002.00565.x>
71. Bilalis, D., N. Sidiras, G. Economou and C. Vakali (2002). Effect of different levels of wheat straw soil surface coverage on weed flora in *Vicia faba* crops. *Journal of Agronomy and Crop Science*: 189: 233-241. <https://doi.org/10.1046/j.1439-037X.2003.00029.x>
72. Kintzios, S., E. Pistola, P. Panagiotopoulos, M. Bomsel, F. Bem, G. Economou, R. Levin (2001). Bioelectric Recognition Assay (BERA). *Biosensors and Bioelectronics* 16: 325-336
[https://doi.org/10.1016/S0956-5663\(01\)00127-0](https://doi.org/10.1016/S0956-5663(01)00127-0)
73. Economou, G. (2000). Weed distribution in Greek cotton crops. In *Proceedings of 11th International Conference on Weed Biology*, pp. 167-174, Dijon, France 2000.
74. Economou, G. (2000). The potential of allelochemicals in integrated weed managements. In *Proceedings of 1st European Conference on Pesticides and Relative Organic Micropollutants in the Environment*, pages 193-196, Ioannina, Greece, 2000.
75. Kintzios, S., M. Mardikis, K. Passsadeos and G. Economou (1998). In vitro expression of variation of glyphosate tolerance in Johnsongrass. *Weed Research* 39: 49-55
<https://doi.org/10.1046/j.1365-3180.1999.00124.x>
76. Economou, G. and G. Zarris, (1996). The Allelopathic potential of *Helianthus annuus*. *Zizaniology* 3: 17-23 (in Greek with summary and tables in English).
77. Avgoulas C., G. Economou and A. Karamanos (1996). The effect of several parameters on seed germination of *Sorghum halepense*. *Zizaniology* 3: 29-36 (in Greek with summary and tables in English).
78. Economou, G., C. Avgoulas and A. Karamanos (1992). Phenotypic variability of populations of *Sorghum halepense* in Greece. *Zizaniology* 2: 233- 241 (in Greek with summary and tables in English).

10.2.2 Conference Proceedings – Peer-Reviewed

1. Economou, G., O. Loukakis, V. Kotoulas, N. Dercas (2023). The brewery barley production in Greece. The challenge of high-quality products through the evaluation and selection of suitable genotypes. In *proceedings of 22nd International Conference “Life Sciences for Sustainable Development”*. September 2023, Cluj-Napoca, Romania.

2. Loukakakis O., Kotoulas V., Papastylianou P., Economou G. (2023) Effect of fertilization and environmental conditions on yield and protein on malting barley grain. In Proceedings of 16th Hellenic Soil Science Conference, 4-6 December 2023 page 65, <https://soil.aua.gr/wp-D-Book-of-Abstracts.pdf>
3. G. Economou, K. Soulis, E. Gavriil, A. Assariotakis, D. Kalivas, D. Servis (2023). Monitoring of *Orobanche cumana* Wallr races in sunflower fields of North-East Greece. In Proceedings of 5th International Symposium on Broomrape in Sunflower 1-3 November 2023, Antalya, Turkey. BROOMRAPE 2023 PROCEEDING of ABSTRACT BOOK.pdf
4. G. Nikolakopoulou, D. Doulfi, Al. Assariotakis, G. Economou, 2021. Effect of irrigation on weed occurrence in Oregano crop. In Proceedings of 19th European Weed Science Congress, 20-23 of June 2022, Athens.
5. Sotiropoulou, N.S., Bampatsikou, C. G., Kaparakou, e., Daferera, D., Tarantilis, P., Vezyraki, P., Simos, Y., Assariotakis, A., and Economou, G. (2021) . Volatile profile of *Salvia fruticosa* growing in different cultivation conditions in the region of Attica, Greece. In proceedings of International Conference on Traditional Medicine and Phytochemistry, 12-14, July 2021.
6. Necajeva, J. Royo-Esnal, Loddó, D.A. Jensen, Peter Kryger De Mol, F. Economou, G. ; Bochenek, A. ; Synowiec, A. ; Calha, I. Andersson, L. Uludag, A.; Uremis, I. ; Torresen, K.B.(2018). Phenological development of *Echinochloa crus-galli* (L.) P. Beauv. populations at different geographical locations Book of Abstracts - 18th European Weed Research Society Symposium, 2018, pp. 193-199.
7. Assariotakis, Al., Vahamidis, P., Tarantilis, P., Economou, G., (2018). Inhibitory effect of *Origanum* species hydrosol by in vitro assays on weeds and bioindicators. 18th European Weed Research Society Symposium, (17-21, June 2018) Ljubljana, Slovenia. <https://www.asacim.org.ar/wp-content/uploads/2018/08/EWRS2018-Book-of-Abstracts.pdf>
8. Doulfi, D., Fanouriou, E., Assariotakis A., Tarantilis, P., Economou, G. (2018). *Artemisia arborescens* and *Hypericum empetrifolium*: two pharmaceutical plants with potential herbicidal action. 18th European Weed Research Society Symposium, (17-21, June 2018) Ljubljana, Slovenia. <https://www.asacim.org.ar/wp-content/uploads/2018/08/EWRS2018-Book-of-Abstracts.pdf>
9. Assariotakis, Al., Vahamidis, P., Kalyvas, D., Karakitsos, K., Stefopoulou, A., Economou, G., (2017). Spatial distribution of *Oxalis pes-caprae* L. and its effect on flora diversity of olive groves in Crete. 5th International Symposium on Weeds and Invasive Plants, (10-14 October 2017) Chios. file:///C:/Users/econo/Downloads/EWRS-Invasive-2017-Chios.pdf
10. Papafotiou M., E. Kanellou, G. Economou, A. Paraskevopoulou and E. Kartsonas (2015). Establishing wildflower meadows as groundcover for use in archaeological sites. In Proceedings of the 2nd International Conference on “Changing Cities: Spatial, Design, Landscape & Socio-economic Dimensions” Porto Heli, Peloponnese, Greece, 22-26 June 2015.
11. Kanellou H., M. Papafotiou, G. Economou, D. Lyra (2015). Spontaneous vegetation in archaeological sites: The case of the Ancient Agora of Thessaloniki. Proceedings of the 26th Hellenic Scientific Society of Horticultural Crops, pp. 382–385, 18–18 October 2013, Kalamata, Greece.

12. Kanellou H., M. Papafotiou, G. Economou, I. Dogani, A. Galanou (2015). Management of unwanted vegetation in archaeological sites. Proceedings of the 4th Panhellenic Conference on Restorations, ETEPAM, Thessaloniki, 26–28 November 2015.
13. Kanellou H., M. Papafotiou, G. Economou, D. Lyra, S. Knezevic, E. Kartsounas, N. Ntoulas, A. Paraskevopoulou, P. Nektarios, A. Alexopoulos, Ch. Mouroutoglou, K. Nifakis, S. Karras (2015). Alternative methods for managing spontaneous vegetation in archaeological sites. Proceedings of the 26th Hellenic Scientific Society of Horticultural Crops, pp. 302–305, 18–18 October 2013, Kalamata, Greece.
14. Gavriil E., G. Economou, I. Eleftherohorinos, P. Tarandilis, E. Maniatis, S. Knezevic (2015). Medicinal and aromatic plants tolerance to different control methods. Abstracts of 17th EWRS Symposium ‘Weed Management in Changing Environments’, p. 194, 23–26 June 2015, Montpellier, France.
15. Kanellou E., M. Papafotiou, N. Ntoulas, D. Lyra, G. Economou, S. Knezevic (2015). Flame weeding: A new approach in weed control for archaeological sites. Abstracts of 17th EWRS Symposium ‘Weed Management in Changing Environments’, p. 233, 23–26 June 2015, Montpellier, France.
16. Lyra D., G. Economou, 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? Abstracts of 17th EWRS Symposium ‘Weed Management in Changing Environments’, p. 139, 23–26 June 2015, Montpellier, France.
17. Economou G., D. Kalivas, I. Thomopoulos (2015). Spatio-temporal shifts in weed patchiness in barley. Abstracts of 17th EWRS Symposium ‘Weed Management in Changing Environments’, p. 138, 23–26 June 2015, Montpellier, France.
18. Gavriil E., G. Economou, P. Tarandilis (2014). The oregano of Ikaria: Morphological and chemotypic characterization of species. Proceedings of 15th Panhellenic Conference of the Hellenic Society of Plant Breeding, pp. 169–174, 15–17 October 2014, Larissa, Greece.
19. Alexandropoulou M., N. Kadoglou, E. Gavriil, I. Maniatis, D. Daferera, P. Tarandilis, G. Economou (2014). Evaluation of carvacrol-type aromatic medicinal plants in one- and six-year-old plantations. Proceedings of 15th Panhellenic Conference of the Hellenic Society of Plant Breeding, pp. 236–241, 15–17 October 2014, Larissa, Greece.
20. Kadoglou N., A. Skropolithas, M. Alexandropoulou, E. Gavriil, D. Daferera, P. Tarandilis, P. Trigas, G. Economou (2014). Carvacrol-type aromatic and medicinal plants from Ikaria and Kefalonia: Are there differences? Proceedings of 15th Panhellenic Conference of the Hellenic Society of Plant Breeding, pp. 242–246, 15–17 October 2014, Larissa, Greece.
21. Fanouri E., G. Economou, D. Kalyvas, P. Tarandilis, E. Gavriil (2014). Spatial distribution and essential oil yield of Hippocratic plants from the island of Kos. Proceedings of 15th Panhellenic Conference of the Hellenic Society of Plant Breeding, pp. 247–252, 15–17 October 2014, Larissa, Greece.
22. Vahamidis P., A. Stefopoulou, G. Stavrianakis, S. Bourogiannis, V. Kotoulas, N. Derkas, G. Economou (2014). Agronomic evaluation of Null-Lox malting barley varieties. Proceedings of 15th Panhellenic Conference of the Hellenic Society of Plant Breeding, pp. 312–317, 15–17 October 2014, Larissa, Greece.
23. Vassilaki Ch., G. Economou, A. Karamanos (2014). Drought tolerance of six-rowed and two-rowed barley (*Hordeum vulgare*) genotypes. Proceedings of 15th Panhellenic

- Conference of the Hellenic Society of Plant Breeding, pp. 138–143, 15–17 October 2014, Larissa, Greece.
24. Kanellou E., M. Papafotiou, G. Economou, D. Lyra, N. Ntoulas, S. Knezevic (2014). Integrated management in archaeological sites. Thalys Project. Proceedings of 9th International Symposium on the Conservation of Monuments in the Mediterranean Basin, 3–5 June 2014, Ankara, Turkey.
 25. Sideridis A., G. Economou, L. Kazakopoulos, C. Costopoulou, M. Ntaliani, A. Papastavrou (2013). Supporting innovative training for agronomists of medicinal plants. Proceedings of 1st Medicinal Crops (Plants and Mushrooms): Challenges and Prospects for Sustainable Development in Small-Scale Farming, OECD Co-operative Research Program, pp. 187–193, 9–11 November 2011, Athens, Greece.
 26. Voloudakis D., A. Karamanos, G. Economou, D. Kalivas, P. Vahamidis, V. Kotoulas, J. Kapsomenakis, C. Zerefos (2013). Prediction of climate change impacts on cotton yields in Greece under eight climatic models using the AquaCrop simulation model. Proceedings of 1st CIGR Inter-regional Conference on Land and Water Challenges, September 2013, Bari, Italy.
 27. Panagopoulos G., G. Economou, P. Tarandilis, D. Kalyvas, V. Kotoulas, A. Karamanos (2013). Spatial distribution of wild carvacrol-type aromatic and medicinal plants in Ikaria. Effects of abiotic factors on their occurrence and productivity. Proceedings of 14th Scientific Conference on Plant Breeding and Agricultural Experimentation, pp. 358–363, Thessaloniki, October 2012.
 28. Kanellou H., M. Papafotiou, G. Economou, D. Lyra (2012). Spontaneous vegetation in archaeological sites: The case of Amphiraion, Oropos. Proceedings of 17th Conference of the Hellenic Weed Science Society, pp. 113–116, 22–24 November 2012, Athens, Greece.
 29. Kanellou H., M. Papafotiou, G. Economou, D. Lyra (2012). Spontaneous vegetation in archaeological sites: The case of Kolona, Aegina. Proceedings of 17th Conference of the Hellenic Weed Science Society, pp. 119–121, 22–24 November 2012, Athens, Greece.
 30. Economou G., I. Travlos, V. Kotoulas (2011). The phytotoxic properties of aromatic and medicinal plants: A challenge for physical weed control. Proceedings of 9th EWRS Workshop on Physical and Cultural Weed Control, pp. 21–25, 28–30 March 2011, Samsun, Turkey.
 31. Panagopoulos G., V. Kotoulas, G. Economou, P. Tarandilis, D. Kalyvas, A. Karamanos (2011). Adaptability of wild carvacrol-type aromatic and medicinal plants under extensive cultivation. Proceedings of 13th Scientific Conference on Plant Breeding and Agricultural Experimentation, pp. 86–93, Kalamata, October 2011.
 32. Vahamidis P., S. Kotzamanidis, G. Economou, A. Karamanos (2011). Evaluation of performance of durum wheat varieties and local populations under graded water stress and field conditions. Proceedings of 13th Scientific Conference on Plant Breeding and Agricultural Experimentation, pp. 314–319, Kalamata, October 2011.
 33. Papafotiou M., H. Kanellou, G. Economou (2010). Vegetation management in the archaeological site of Eleusis and installation of greenery in a Roman villa. Proceedings of 23rd Panhellenic Scientific Conference of Hellenic Society of Horticultural Science, vol. B (Floriculture–Vegetables), pp. 699–702, 23–26 October, Chania, Greece.
 34. Nektarios P., G. Economou, E. Kolliou (2010). Allelopathic effects of Aleppo pine (*Pinus halepensis*) needles on turfgrass species. Proceedings of 23rd Panhellenic Scientific Conference of Hellenic Society of Horticultural Science, vol. B (Floriculture–Vegetables), pp. 719–722, 23–26 October, Chania, Greece.

35. Travlos H., G. Economou (2010). Plant residue management practices in modern production systems and their effects on weeds. Proceedings of 5th Panhellenic Phytoprotection Meeting, pp. 176–181, 23–25 February 2010, Larissa, Greece.
36. Panagopoulos G., V. Kotoulas, G. Economou, P. Tarandilis, D. Kalyvas, A. Karamanos (2010). Spatial mapping and chemotypic analysis of aromatic and medicinal flora of Ikaria and Fournoi islands. Proceedings of 12th Scientific Conference on Plant Breeding and Agricultural Experimentation, pp. 411–415, Naousa, October 2010, CD-ROM.
37. Papafotiou M., E. Kanellou, G. Economou (2009). Alternative practices for vegetation management in archaeological sites: The case of Eleusis. ISHS–2nd International Conference on Landscape and Urban Horticulture, 9–13 June, Bologna, Italy, pp. 879–883. *Acta Horticulturae*.
38. Vlachos E.X., D.P. Kalyvas, G. Economou (2008). Spatial distribution of cotton weeds in Karditsa in relation to soil properties. Proceedings of 12th Panhellenic Soil Science Conference, pp. 241–254, September 2008, Pyrgos, Greece.
39. Lyra D., A. Katsiotis, G. Economou, P. Kaltsikes (2006). Genetic variability in *Orobanche* spp. as revealed by RAPD analysis. Proceedings of 12th Mediterranean Phytopathological Congress, pp. 406–408, 11–15 June, Rhodes, Greece.
40. Economou G., D. Lyra, Ch. Arapi (2006). Current status of *Orobanche* dispersal in Greece. Proceedings of 12th Congress of Mediterranean Phytopathological Union, pp. 88–90, 11–15 June, Rhodes, Greece.
41. Alesta A., B. Gikas, G. Economou, A. Tsarbopoulos, I. Hadjigeorgiou (2006). Bioactive substances in *Trifolium pratense* and *Trigonella foenum-graecum*. Proceedings of COST 852 Concerted Action on “Quality legume-based forage systems for contrasting environments”, pp. 117–119, August, Gumpenstein, Austria.
42. Lyra D., A. Katsiotis, G. Economou, P. Kaltsikis (2006). Distinction of *Orobanche* populations in Greece. Proceedings of 11th Panhellenic Conference of Hellenic Society of Plant Breeding, pp. 252–259, 31 October–2 November, Orestiada, Greece.
43. Tsakalis N., P. Vahamidis, D. Voloudakis, K. Sanidas, A. Papastavrou, G. Economou, A. Karamanos (2006). Effects of water stress on spike morphogenesis of durum and bread wheat populations. Proceedings of 11th Panhellenic Conference of Hellenic Society of Plant Breeding, pp. 368–375, 31 October–2 November, Orestiada, Greece.
44. Lyra D., G. Economou, E. Kotoula-Syka (2005). Mapping *Orobanche* spp. infestation degree in arable crops using GIS. Proceedings of 13th EWRS Symposium, CD-ROM, 19–23 June, Bari, Italy.
45. Economou G., S. Lyra, V. Kotoulas, E. Kotoula-Syka (2005). Induction of seed germination in *Orobanche aegyptiaca* using various seed stimulants. Proceedings of 13th EWRS Symposium, CD-ROM, 19–23 June, Bari, Italy.
46. Hadjigeorgiou I., I. Pouloupoulou, G. Economou, G. Moustakas, G. Zervas (2004). Improving productivity of grasslands in mountainous areas of Greece by conventional or organic farming practices. Proceedings of 20th General Meeting of the European Grassland Federation, pp. 825–827, Luzern, Switzerland.
47. Papastavrou A., G. Livanos, G. Economou, Ch. Avgoulas, A. Karamanos (2004). Assessment of drought tolerance of 20 durum wheat biotypes. Proceedings of 10th Panhellenic Conference of Hellenic Society of Plant Breeding, pp. 180–187, November 2004, Athens, Greece.
48. Economou G., Ch. Avgoulas, I. Travlos (2003). Life cycle of prevalent weeds in cotton crops in Greece. Proceedings of 7th Mediterranean Symposium of EWRS, pp. 179–180, Adana, Turkey.

49. Economou G., Ch. Avgoulas, I. Travlos, A. Triha (2003). Comparative life history traits of *Conyza albida* populations in Greece. Proceedings of 7th Mediterranean Symposium of EWRS, pp. 145–146, Adana, Turkey.
50. Economou G., A. Giannitsaros, O. Tzakou (2002). Assessing why *Conyza albida* invades Greek agroecosystems. Proceedings of 12th EWRS Symposium, pp. 84–85, Wageningen, Netherlands.
51. Foundoulakis M., G. Arapis, M. Chrysagi, G. Economou (2002). Use of bio-indicators for xenobiotic monitoring in agroecosystems. Proceedings of 2nd International Conference on Pesticides and Related Organic Micropollutants, pp. 291–293, Chalkidiki, Greece.
52. Economou G. (2000). Distribution of weeds in Greek cotton fields. Proceedings of 11th International Conference on Weed Biology, pp. 167–174, Dijon, France.
53. Economou G., G.N. Giannopolitis (1998). Weed survey in cotton crops of Central Greece. Proceedings of 6th Mediterranean Symposium of EWRS, pp. 223–224, Montpellier, France.
54. Economou G., G. Mavrogiannopoulos, E. Paspatis (1997). Weed seed responsiveness to thermal degree hours under lab conditions and soil solarization in greenhouse. Proceedings of 2nd International Conference on Soil Solarization and Integrated Management of Soil-borne Pests, Vol. 2, pp. 246–263, ICARDA, Aleppo, Syria, 16–21 March.
55. Economou G., E. Paspatis, G. Mavrogiannopoulos, M. Koutsogeorgopoulou (1995). Effect of soil solarization on seed germination of *Avena sterilis*, *Bromus diandrus*, *Sinapis arvensis* at two soil depths in greenhouse conditions. Proceedings of Hellenic Society of Horticultural Science, 5: 336–339, Athens, 22–24 November.

10.2.3 Published Abstracts

1. Economou G., D. Kalivas and I. Thomopoulos (2015). Spatio-temporal shifts in weed patchiness in barley. In Abstracts of 17th EWRS Symposium ‘Weed Management in Changing Environments’, p. 138, 23-26 June 2015, Montpellier, France.
2. 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.
3. Kanellou, E., M. Papafotiou, N. Ntoulas, D. Lyra, G. Economou and S. Knezevic (2015). Flame weeding: A new approach in weed control for archaeological sites. In Abstracts of 17th EWRS Symposium ‘Weed Management in Changing Environments’, p. 233, 23-26 June 2015, Montpellier, France.
4. Gavriil, E., G. Economou, I. Eleftherohorinos, P. Tarandilis, E. Maniatis and S. Knezevic (2015). Medicinal and aromatic plants’ tolerance to different control methods. In Abstracts of 17th EWRS Symposium ‘Weed Management in Changing Environments’, p. 194, 23-26 June 2015, Montpellier, France.
5. Stavroulaki V., D. Nikolopoulos, P. Bresta, P. Vahamidis, G. Aivalakis, G. Economou, G. Karabourniotis (2015). Cell and chloroplast size related to long-term acclimation of barley to combined drought and low nitrogen. Abstracts of Photosynthesis Research for Sustainability – 2015, 21-26 September, Kolympari-Chania, Crete, Greece.

6. Economou, G., D. Kalivas and I. Thomopoulos (2015). Mapping the weeds' spatio-temporal appearance in brewery barley at field scale. In Proceedings of 10th European Conference on Precision Agriculture, 12-16 July, Volcani Center, Israel.
7. Voloudakis D. S., V. Kotoulas, C. Vlachos and G. Economou (2013). The possible impact of a 2°C air temperature increase on weed flora and an arable crop in Crete: Studying the case of wild oat (*Avena sterilis* L.) and wheat (*Triticum durum* L.). In Book of Abstracts of 'Joint Workshop of the EWRS Working Groups: Novel and Sustainable Weed Management in Arid and Semi-Arid Agroecosystems and Weed Mapping', p. 51, 29 Sept.-3 Oct., Chania, Crete.
8. Economou G., D. Kalivas, I. Thomopoulos and V. Kotoulas (2013). Weed patchiness: providing the necessary data for potential site-specific weed management. In Book of Abstracts of 'Joint Workshop of the EWRS Working Groups: Novel and Sustainable Weed Management in Arid and Semi-Arid Agroecosystems and Weed Mapping', p. 23, 29 Sept.-3 Oct., Chania, Crete.
9. Economou G., D. Kalivas and I. Thomopoulos (2013). Site-specific weed appearance in barley crop. In Proceedings of 16th EWRS Symposium, p. 125, 24-27 June, Samsun, Turkey.
10. Kanellou E., M. Papafotiou, G. Economou and D. Lyra (2013). Weed significance in archaeological sites. In Proceedings of 16th EWRS Symposium, p. 171, 24-27 June, Samsun, Turkey.
11. Lyra D., Y. Kaya, E. Stefanic, G. Economou and D. Kalivas (2013). Impact of environmental and management factors on weed species composition in sunflower fields in Greece, Turkey and Croatia: A comparative approach. In Proceedings of 16th EWRS Symposium, p. 96, 24-27 June, Samsun, Turkey.
12. Kamini A., D. Lyra, E. Gavriil, I. Travlos, P. Tarandilis and G. Economou (2013). Study of hydrolysate and emulsion bioactivity of two *Origanum onites* biotypes on *Avena sterilis*, *Echinochloa crus-galli* and *Amaranthus retroflexus* seeds. In Book of Abstracts of 'Joint Workshop of the EWRS Working Groups: Novel and Sustainable Weed Management in Arid and Semi-Arid Agroecosystems and Weed Mapping', p. 60, 29 Sept.-3 Oct., Chania, Crete.
13. Kanellou I., D. Lyra, S. Knezevic, G. Economou and M. Papafotiou (2013). Vegetation in archaeological sites: An integrated weed management approach to protect the historical landscape – Thalys project. In Book of Abstracts of 'Joint Workshop of the EWRS Working Groups: Novel and Sustainable Weed Management in Arid and Semi-Arid Agroecosystems and Weed Mapping', pp. 54-55, 29 Sept.-3 Oct., Chania, Crete.
14. Economou G., E. Kanellou and M. Papafotiou (2012). Undesired vegetation in archaeological sites: Integrated management respecting the historic landscape. In Proceedings of 6th International Weed Science Congress, p. 58, 17-22 June, Hangzhou, China.
15. Economou G. and H. Kraehmer (2012). Mapping European weeds: Objectives, achievements and future activities of the EWRS Working Group. In Proceedings of 6th International Weed Science Congress, p. 58, 17-22 June, Hangzhou, China.
16. Bresta P., Nikolopoulos D., Economou G., Travlos I.S., Bladenopoulos K., Karamanos A., Karabourniotis G. (2012). Acclimation to water stress: Determination of criteria for selecting drought-tolerant barley (*Hordeum vulgare* L.) genotypes. Proceedings of the 14th Conference of the Hellenic Scientific Society of Plant Breeding, p. 117, 10-12 October, Thessaloniki, Greece.

17. Lyra, D., D. Kalivas and G. Economou (2011). The influence of abiotic factors on *Phelipanche* species infestation in tobacco fields in Greece. In Proceedings of 11th World Congress on Parasitic Plants, p. 39, 7-12 June, Martina Franca, Italy.
18. Kotoulas, V.E., K. Karfi, I.S. Travlos, D. Voloudakis and G. Economou (2011). Effect of deficit irrigation practices on weed flora in corn (*Zea mays* L.). In Abstracts of the Joint Workshop of the Weed Management in Arid and Semi-Arid Climate and the Weed Management Systems in Vegetables Working Groups, 4-8 September, Huesca, Spain.
19. Travlos, I.S. and G. Economou (2011). Corn yield components as influenced by competitive weed species and their emergence timing. In Abstracts of the Joint Workshop of the Weed Management in Arid and Semi-Arid Climate and the Weed Management Systems in Vegetables Working Groups, 4-8 September, Huesca, Spain.
20. Travlos, I.S. and G. Economou (2011). Successful establishment of alfalfa through selection of weed-competitive cultivars and early herbicide application. In Abstracts of the Joint Workshop of the Weed Management in Arid and Semi-Arid Climate and the Weed Management Systems in Vegetables Working Groups, 4-8 September, Huesca, Spain.
21. Voloudakis, D., V.E. Kotoulas, I.S. Travlos, G. Economou, A. Karamanos (2011). Simulation of climate change impacts on weed distribution: Studying the case of wild oat in Greece. In Abstracts of the Joint Workshop of the Weed Management in Arid and Semi-Arid Climate and the Weed Management Systems in Vegetables Working Groups, 4-8 September, Huesca, Spain.
22. Economou, G., D.P. Kalivas and M. Damanakis (2011). The grasses of Greece: Records of occurrence and geographical distribution using GIS. In Abstracts of 2nd Workshop on Weed Mapping, 21-23 September, p. 7, Jokioinen, Finland.
23. Economou, G., A. Uludag, I. Uremis, D. Kalivas, S. Tabbache, I. Al-Jboory, B. Rubin (2011). Weed surveys in cotton fields in the Eastern Mediterranean countries. In Abstracts of 2nd Workshop on Weed Mapping, 21-23 September, p. 6, Jokioinen, Finland.
24. Kalivas, D.P., C.E. Vlachos and G. Economou (2011). GIS analysis of spatial structure in annual and perennial weed populations. In Abstracts of 2nd Workshop on Weed Mapping, 21-23 September, p. 13, Jokioinen, Finland.
25. Kalivas, D.P., M. Poulou, G. Economou and C.E. Vlachos (2011). Spatial weed distribution in the major cotton area of central Greece using the Ordered Weighted Averaging (OWA) method. In Abstracts of 2nd Workshop on Weed Mapping, 21-23 September, p. 12, Jokioinen, Finland.
26. Bresta P., Nikolopoulos D., Economou G., Travlos I.S., Vahamidis P., Karamanos A., Karabourniotis G. (2011). Structure-function relationships in barley leaves during long-term acclimation to drought. Abstracts of the Society for Experimental Biology Annual Meeting, 1-4 July, Glasgow, UK.
27. Bresta, P., Nikolopoulos D., Economou G., Vahamidis P., Lyra D., Karamanos A., Karabourniotis G. (2010). Investigation of water stress effects on structural and functional traits of three durum wheat genotypes. Abstracts of the 13th Scientific Conference of the Hellenic Society of Plant Breeding and Agricultural Experimentation, p. 36, October, Kalamata, Greece.
28. Travlos, H., S. Travlos, G. Economou and S. Lymperopoulou (2010). The weed *Physalis angulata* in Western Greece. Proceedings of 16th Scientific Conference of the Hellenic Weed Science Society, p. 41, 1-2 December, Karditsa, Greece.
29. Travlos, H., G. Economou, D. Chachalis, H. Karipidis, B. Kotoulas and D. Doumas (2010). Weed control in maize using incorporation of durum wheat biomass.

- Proceedings of 16th Scientific Conference of the Hellenic Weed Science Society, p. 85, 1-2 December, Karditsa, Greece.
30. Economou, G., C. Fasseas, D. Christodoulakis and I.S. Travlos (2010). Distribution of silverleaf nightshade (*Solanum elaeagnifolium*) in Greece and invasiveness as related to leaf morphological characters. In Abstracts of 2nd International Workshop on Invasive Plants in Mediterranean-Type Regions, p. 90, 2-6 August, Trabzon, Turkey.
 31. Economou, G., E. Theodorou, E. Tsiplakou, V. Kotoulas and I. Hadjigeorgiou (2010). Growth, botanical composition, yield and quality of annual and perennial grass-legume swards under rainfed conditions in Greece. Proceedings of 61st Annual Meeting for Animal Production, EAAP, p. 29, 23-27 August, Heraklion, Crete.
 32. Kostopoulou, K., M. Daliani, A. Liopa-Tsakalidi and G. Economou (2010). Development of educational material for aromatic and medicinal plants within the MetaSchool Project. Abstracts of 5th Panhellenic Ecology Conference "Ecological processes in space and time", p. 168, 7-10 October, Patras, Greece.
 33. Economou, G., D. Kalivas and C. Vlachos (2010). Weed community changes over the last decade in semi-arid cotton crops using spatio-temporal analysis. Proceedings of 15th European Weed Research Society Symposium, p. 146, 12-15 July, Kaposvár, Hungary.
 34. Lyra, D. and G. Economou (2010). Estimating fitness and invasiveness of intermediate forms of two *Phelipanche* species found in sympatry. Proceedings of 15th European Weed Research Society Symposium, p. 99, 12-15 July, Kaposvár, Hungary.
 35. Economou, G., D. Lyra, L. Fratzeskakis and E. Kotoula-Syka (2010). Efficacy of adopted measures for *Orobanche cumana* control in sunflower fields. Proceedings of 15th European Weed Research Society Symposium, p. 52, 12-15 July, Kaposvár, Hungary.
 36. Kotoulas, V.E., G. Panagopoulos, V. Skouras, G. Economou and A. Karamanos (2009). Studies on the role of aromatic shrubs in the inhibition of adjacent vegetation. Abstracts of 2nd International Conference on "Novel and Sustainable Weed Management in Arid and Semi-Arid Agro-Ecosystems", p. 16, 7-10 September, Santorini, Greece.
 37. Travlos, I.S., G. Economou, V.E. Kotoulas and P.J. Kanatas (2009). Thoughts on effective and integrated control of purple nutsedge (*Cyperus rotundus*) in arid and semi-arid environments. Abstracts of 2nd International Conference on "Novel and Sustainable Weed Management in Arid and Semi-Arid Agro-Ecosystems", p. 40, 7-10 September, Santorini, Greece.
 38. Lyra, D., G. Economou and E. Kotoula-Syka (2009). Host-parasite interaction reveals inter- and intraspecific variation for *Phelipanche* species. Proceedings of 2nd International Conference on "Novel and Sustainable Weed Management in Arid and Semi-Arid Agro-Ecosystems", p. 56, 7-10 September, Santorini, Greece.
 39. Economou, G., M. Papafotiou and I. Kanellou (2009). Weed invasion in archaeological sites and innovative control methods. 8th Workshop on "Physical and Cultural Methods in Weed Control", p. 13, Instituto Agronomico Mediterraneo De Zaragoza, 9-11 March, Zaragoza, Spain.
 40. Lyra, D., G. Economou and E. Kotoula-Syka (2009). In vivo exploration of *Phelipanche* population differential parasitism. Proceedings of 10th World Congress on Parasitic Plants, p. 55, 8-12 June, Kusadasi, Turkey.
 41. Economou, G., D. Lyra and D. Kalivas (2009). Assessing the role of abiotic factors on *Orobanche* infestation in Solanaceous crops using GIS. Proceedings of 10th World Congress on Parasitic Plants, p. 39, 8-12 June, Kusadasi, Turkey.

42. Kalivas, D.P., G. Economou and C.E. Vlachos (2009). Spatial and multi-temporal weed mapping at early stages of cotton crops using GIS. Abstracts of 2nd International Conference on "Novel and Sustainable Weed Management in Arid and Semi-Arid Agro-Ecosystems", p. 74, 7-10 September, Santorini, Greece.
43. Lyra, D., A. Katsiotis, G. Economou and P. Kaltsikis (2008). Morphological and molecular heterogeneity among and within collected *Orobanch*e populations. Abstracts of 12th Panhellenic Conference of Hellenic Society of Plant Breeding, p. 75, October, Naousa, Greece.
44. Lyra, D., D. Kalivas and G. Economou (2008). Spatial investigation of *Orobanch*e spp. affecting major crops in Greece. Abstracts of 15th Conference of Hellenic Weed Science Society, December, Thessaloniki, Greece.
45. Economou, G., I. Travlos and E. Kotoula (2008). The current situation of invasive plants in Greece. Proceedings of 2nd International Symposium "Intractable Weeds and Plant Invaders", p. 39, 14-18 September, Osijek, Croatia.
46. Vahamidis, P., S. Kotzamanidis, G. Economou and A. Karamanos (2008). Performance of durum wheat varieties under field and water stress conditions. Abstracts of 12th Panhellenic Conference of the Hellenic Society of Plant Breeding, p. 89, October, Naousa, Greece.
47. Economou, G., D. Lyra and F. Triantos (2007). *Orobanch*e spp. distribution in Greece: host range, biogeography, inter- and intra-specific variability. 1st International Conference on "Novel and Sustainable Weed Management in Arid and Semi-Arid Agro-Ecosystems", 7-12 October, Hebrew University of Jerusalem, Rehovot, Israel.
48. Lyra, D. and G. Economou (2007). Current perspectives in *Orobanch*e biological control. Proceedings of 14th International Symposium of the Weed Research Society, p. 162, 18-21 June, Hamar, Norway.
49. Travlos, I.S. and G. Economou (2007). Influence of diurnally alternating temperatures on fat-hen (*Chenopodium album* L.) seed germination. Proceedings of 14th Symposium of the European Weed Research Society, p. 185, Hamar, Norway.
50. Economou, G., I. Travlos, P. Nektarios and E. Kotoula-Syka (2007). How *Conyza albida* (Willd. Ex Sprengel) invades crops and urban ecosystems in Greece. Proceedings of 14th Symposium of the European Weed Research Society, p. 26, Hamar, Norway.
51. Ferreres et al. (2007). Designing deficit irrigation programs with AquaCrop. The European Commission DIMAS project. ASA-CSSA-SSSA International Annual Meetings, 4-8 November. <http://a-c-s.confex.com/crops/2007am/techprogram/P33036.HTM>
52. Alesta, A., G. Economou, A. Tsarbobopoulos, E. Gkikas and H. Travlos (2006). *Leymus* crops with allelopathic potential. Abstracts of 14th Conference of the Hellenic Weed Science Society, p. 77, 7-8 December, Volos, Greece.
53. Economou, G., H. Travlos, F. Mylonas, O. Tzakou and A. Kolovos (2006). Allelopathic effect of *Galium aparine* on local wheat populations. Abstracts of 14th Conference of the Hellenic Weed Science Society, p. 78, 7-8 December, Volos, Greece.
54. Economou, G. and D. Lyra (2006). Marine algae as a means for *Orobanch*e biocontrol. Final Meeting of COST ACTION 846, p. 35, Universidade Nova de Lisboa, 23-24 November, Portugal.
55. Economou, G., D. Lyra and Ch. Arapi (2005). The extent of recent *Orobanch*e infestation in Greece. Abstracts of the Workshop on Parasitic Plant Management in Sustainable Agriculture, COST Action 846, pp. 6-7, 4-6 December, Newe Ya'ar Research Center, Ramat Yishay, Israel.

56. Lyra, D., G. Arapis and G. Economou (2004). Abiotic factors affecting Orobanche infestation in tobacco crops in Greece. Abstracts of the Workshop on the “Genetic Diversity of Parasitic Plants”, COST Action 849, p. 22, February, Cordoba, Spain.
57. Lyra, D., G. Economou, Ch. Avgoulas and G. Arapis (2004). Seed germination study in Orobanche populations infesting tobacco plants in Greece. Abstracts of the Workshop on the “Genetic Diversity of Parasitic Plants”, COST Action 849, p. 21, February, Cordoba, Spain.
58. Chatzigeorgiou, I., G. Economou, D. Lolis, D. Sarakatsanos, P. Petousis, N. Moustakas and G. Zervas (2004). Study of floristic composition and quality characteristics of pastures in the Larissa region. Review of Animal Science – 20th Scientific Conference of Hellenic Animal Science Society, 29: 40-41, December.
59. Economou, G., D. Lyra and E. Kotoula-Syka (2004). A potent step in the control of Orobanche species. Abstracts of the Workshop on the “Control of Parasitic Weeds, from the Lab to the Field”, COST Action 849, November, Cordoba, Spain.
60. Kotoula-Syka, E. & G. Economou (2004). Glyphosate, a translocatable herbicide against broomrape in Solanaceous crops. Abstracts of the Workshop on the “Control of Parasitic Weeds, from the Lab to the Field”, COST Action 849, November, Cordoba, Spain.
61. Economou, G. and P. A. Nektarios (2003). Allelopathy of the invasive weed *Conyza albida* with cool- and warm-season turfgrasses. 2nd International Symposium of Plant Health in Urban Horticulture, pp. 233-234, 27-29 August, Berlin, Germany.
62. Lyra, D., G. Economou, S. Gerondidis and G. Arapis (2003). Distribution of Orobanche species in Greece. Abstracts of the Workshop on the “Biology and Control of Broomrapes”, COST Action 849, p. 27, October, Athens, Greece.
63. Economou, G., S. Bitivanos, D. Servis and Ch. Avgoulas (2002). Control of *Conyza albida* and *Conyza canadensis* in alfalfa crops. Abstracts of 12th Scientific Conference of the Hellenic Weed Science Society, p. 16, December, Athens, Greece.
64. Chatzigeorgiou, I., G. Economou, G. Moustakas and N. Zervas (2002). Comparative study of natural vegetation and forage crops in creating meadows. Abstracts of 12th Conference of the Hellenic Weed Science Society, p. 55, December, Athens, Greece.
65. Chatzigeorgiou, I., P. Tsitsika, G. Economou, N. Moustakas and G. Zervas (2002). Evaluation of certain management interventions for upgrading mountain pastures in Arta prefecture. Review of Animal Science – 18th Scientific Conference of Hellenic Animal Science Society, 27: 47-48, December, Ioannina, Greece.
66. Economou, G., A. Giannitsaros, A. Tricha, H. Travlos (2002). Contribution to the reproductive biology knowledge of *Conyza albida*. Abstracts of 12th Conference of the Hellenic Weed Science Society, p. 31, December, Athens, Greece.
67. Economou, G., M. Chrysai and G. Arapis (2001). Orobanche infestations: the current status of the problem in Greece. Abstracts of the Workshop on the “State of the Art in Orobanche Control”, COST Action 849, p. 30, Bari, Italy.
68. Kintzios, S., E. Makrygianni, G. Economou, P. Panagiotopoulos and E. Pistolá (1999). Assessment of the physiological action of glyphosate herbicide on *Sorghum halepense* cell cultures through disturbance measurements. Abstracts of 11th Scientific Conference of the Hellenic Weed Science Society, p. 51, 2-3 December, Volos, Greece.
69. Economou, G., O. Tzakou, A. Giannitsaros, A. Gkani and H. Travlos (1999). Detection of allelopathic factors in *Conyza albida* Willd. ex Sprengel. Abstracts of 11th Scientific Conference of the Hellenic Weed Science Society, p. 49, December, Volos, Greece.

70. Economou, G., A. Karamanos and M. Loukas (1999). Phenotypic plasticity and genetic similarity in five populations of *Sorghum halepense*. Proceedings of 11th Symposium of European Weed Research Society, p. 23, Basel, Switzerland.
71. Economou, G. and Ch. Avgoulas (1997). Intra-specific diversity of *Sorghum halepense*. Proceedings of 10th European Weed Research Society Symposium, p. 32, Poznan, Poland.
72. Paspatis, E., G. Economou and A. Alexandrakis (1997). Integrated weed management in vegetable crops. Abstracts of 10th Panhellenic Scientific Conference of the Hellenic Weed Science Society, p. 16, December, Thessaloniki, Greece.
73. Byzantinopoulos, S., G. Economou and P. Evagelou (1997). Integrated weed management in the Moschofilero variety in the Mantinea wine-growing zone. Abstracts of 10th Panhellenic Scientific Conference, p. 15, December, Thessaloniki, Greece.
74. Economou, G. and A. Karamanos (1997). Variability of *Sorghum halepense* biotypes regarding sensitivity to glyphosate and haloxyfop herbicides. Abstracts of 10th Panhellenic Scientific Conference of the Hellenic Weed Science Society, p. 34, December, Thessaloniki, Greece.
75. Paspatis, E., G. Economou and G. Mavrogianopoulos (1995). Application of solarization in greenhouses: effectiveness in weed control. Abstracts of 9th Scientific Conference of the Hellenic Weed Science Society, p. 12, March, Athens, Greece.
76. Economou, G. and K. Giannopolitis (1990). Periodicity of growth and development of grassy weeds in winter cereals. Abstracts of 7th Scientific Conference of the Hellenic Weed Science Society, p. 9, Athens, Greece.
77. Economou, G., K. Giannopolitis and E. Paspatis (1988). Identification of grassy weeds in winter cereal crops. Abstracts of 6th Scientific Meeting of the Hellenic Weed Science Society, p. 19, Veria, Greece.
78. Papafotiou, M., I. Kanellou and G. Economou (2008). Innovative practices for vegetation management in historic sites. Proceedings of 5th International Weed Science Conference, p. 166, CD-ROM, June, Vancouver, Canada.

10.2.4. Review / Synthetic Works

1. Travlos, H. & G. Economou (2010). Management practices of crop residues in modern production systems and their effects on weeds. Proceedings of 5th Panhellenic Plant Protection Meeting, pp. 176-181, 23-25 February 2010, Larissa, Greece.
2. Arapi, Ch., G. Economou & P. Kaldis (2004). Genetically modified maize and the economic dimensions for producers, traders and consumers. Proceedings of the 10th Panhellenic Conference of the Hellenic Scientific Society for Plant Genetic Improvement and Agricultural Experimentation, November 2004, Athens, Greece.
3. Economou, G. (2000). The potential of allelochemicals in integrated weed management. Proceedings of the 1st European Conference on Pesticides and Related Organic Micropollutants in the Environment, pp. 193-196, Ioannina, Greece.
4. Afentouli, A., E. Kotoula-Syka & G. Economou (1999). The role of weed biology and ecology in designing strategies for more effective control. Abstracts of the 11th Scientific Conference of the Hellenic Weed Science Society, p. 15, December 1999, Volos, Greece.
5. Economou, G. (1998). Problems arising from spontaneous vegetation in archaeological sites. Proceedings of the Workshop on the Management of Undesired

Vegetation in Archaeological Sites, pp. 65-69. Published by the Association of Friends of the Acropolis, Center for Acropolis Studies, Makrygianni, May 1998, Athens, Greece.

6. Bourmbos, E., E. Gemptos, G. Economou & E. Kapetanakis (1998). Means and methods for the application of plant protection products. Proceedings of the 2nd Panhellenic Plant Protection Meeting, 2: 209-239, Larissa, Greece.
 7. Economou, G. (1996). Weed control in olive orchards. Proceedings of 1st Panhellenic Plant Protection Meeting, 1: 161-169, Larissa, Greece.
 8. Economou, G. (1986). Critical stages of competition between various field crops and weeds – rational weed management. Proceedings of the 5th Annual Scientific Meeting of the Hellenic Weed Science Society, “Weed Management in Vegetables, Citrus and Vineyards”, pp. 25-44, Patras, Greece.
 9. Economou, G. (1985). Major broadleaf weeds of winter cereals (species, identification, basic biology, impact on crops). Proceedings of the 4th Annual Scientific Meeting of the Hellenic Weed Science Society, “Weed Management in Winter Cereals”, pp. 1-7, Larissa, Greece.
-

11. Conference Proceedings Publications

1. Rubin, B. & Economou, G. (2007). Proceedings of 2nd International Conference on “Novel and sustainable weed management in arid and semi-arid agro-ecosystems” (2009), edited by B. Rubin & G. Economou. Agricultural University of Athens, September 2009, Santorini, Greece.
 2. Rubin, B., Economou, G., Eizenberg, H. & Kraehmer, H. (2013). Book of Abstracts of the Joint Workshop on “Novel and sustainable weed management in arid and semi-arid agro-ecosystems and Weed Mapping”. Agricultural University of Athens, 29 September – 3 October 2013, MAICH, Chania, Crete, Greece.
-

12. Special Scientific Activities for the Conservation and Promotion of Aromatic & Medicinal Plant Varieties

1. Participation in the development and maintenance of a certified network of mother plantations of endemic medicinal and aromatic plants in the White Mountains (Crete), Parnon (Peloponnese), and Othrys (Thessaly). Institute for the Study and Promotion of Medicinal and Aromatic Plants (2022–present).
2. Responsible for the conservation of the Greek oregano variety ‘Arethousa’, registered in the National Catalogue of Cultivated Varieties. Variety Evaluation Institute, Ministry of Rural Development and Food (2020).
3. Maintenance of certified mother plantations of various aromatic and medicinal plants (Arethousa – *Origanum vulgare* ssp. *hirtum*, *Origanum dictamnus*, *Origanum majorana*, *Coridothymus capitatus*, *Thymbra capitata*, *Cistus salviifolius*) at the Experimental Farm of the Laboratory of Agriculture, Agricultural University of Athens (2020–present).
4. Participation in the design and creation of five pilot products from aromatic and medicinal plants (2019–present).

5. Maintenance of propagation material (seeds) of Greek chamomile (*Chamomilla recutita*) from native populations in Farsala (2019–present).
6. Conservation of mother plantations of mountain tea (*Sideritis perfoliata* ssp. *perfoliata*) and lemon balm (*Melissa officinalis* spp. *altissima*) from Mt. Kotziakas, Southern Pindos, at the Experimental Farm of the Laboratory of Agriculture (2019–present).
7. Maintenance of mother plantations of native Greek plants (*Origanum intercedens*, *Salvia fruticosa*, *Crithmum maritimum*, *Ferula communis*, *Artemisia arborescens*, *Teucrium capitatum*) at the Agricultural University of Athens Farm in Spata (2013–present).

13. Administrative and Other Activities

1. Director of the Department of Agriculture, Plant Improvement, Agricultural Experimentation and Meteorology – Section of Crop Science (2021–2023).
2. Member of the Management and Property Exploitation Company of the Agricultural University of Athens S.A. (2019–present).
3. Member of the Editorial Board of the *Turkish Journal of Weed Science* (2016).
4. Participation in the Committee for assignment, evaluation and acceptance of supplies for the Laboratory of Agriculture, Agricultural University of Athens (2015).
5. Deputy Director of the Department of Agriculture, Plant Improvement, Agricultural Experimentation and Meteorology (2015–2017).
6. Participation in the planning team for the Agricultural University of Athens Farm in Gyalo, Spata (2015).
7. Appointment to the Scientific Approval Council of the National Organization for Medicines (EOF) in the field of herbal medicinal products (2014–2017).
8. Participation in the Selection & Nomination Committee for postgraduate students in the MSc Program “Sciences & Systems of Crop Production” (from 2013).
9. Evaluator for scholarships abroad of the State Scholarships Foundation (IKY) (2011–2012).
10. Chair of the Committee for Departmental Placement Examinations, Department of Crop Science, Agricultural University of Athens (from 2011).
11. Vice President of the Institute of Agricultural Sciences (IGE) (2010–2013).
12. Reviewer for scientific journals *Weed Research* and *Phytopathologia Mediterranea* (from 2009).
13. Supervision of students during practical training within the EPEAEK Program (from 2007).
14. Participation in the University Council Committee for amendments to the Internal Regulations of the Agricultural University of Athens (2006).
15. Evaluator for IKY scholarship programs (2006–2010).
16. Participation in high school student awareness programs for studies at the Agricultural University of Athens (2004–2016).
17. Participation in evaluation committees for the promotion of Professors (HEIs) and Researchers (ELGO-DEMETER).