

CURRICULUM VITAE
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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
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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
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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 Agrobiological Sciences, 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
- Neve 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. Gavriil, E., Anagnostopoulos, C., Liapis, K., Eleftherohorinos, I., & Economou, G. (2026). Residue estimation of selected herbicides for weed control in Greek oregano cultivation. *Agronomy*, 16, 545. <https://doi.org/10.3390/agronomy16050545>
2. Loukakis, L. O., Giannoulis, K. D., Cavalaris, C., Karamoutis, C., Kotoulas, V., Papastylianou, P., & Economou, G. (2026). Balancing productivity, grain quality and carbon

footprint in malting barley through soil tillage systems under Mediterranean conditions. *Sustainability*, 18, 2956. <https://doi.org/10.3390/su18062956>

3. Karavitis, C. A., Vasilakou, C., Tsesmelis, D. E., Skondras, N. A., Oikonomou, P. D., Kalogeropoulos, K., Balabanis, P. A., Maia, R., Playán, E., Zapata, N., et al. (2026). Assessing existing and potential future vulnerability to water resources changing conditions using dynamic composite indices in Latin America. *Earth*, 7, 81. <https://doi.org/10.3390/earth7030081>
4. 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>
5. 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>
6. 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>
7. 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>
8. 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>
9. 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>
10. 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>
11. 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>
12. 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).

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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.
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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.
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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* ssp. *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).