CURRICULUM VITAE

FILIPPOS A. ARAVANOPOULOS, Ph.D.

Professor

Aristotle University of Thessaloniki

Thessaloniki 2024

FILIPPOS A. ARAVANOPOULOS, Ph.D.
Professor – Aristotle University of Thessaloniki

Academic Address - Personal data
Laboratory of Forest Genetics & Tree Breeding, Faculty of Forestry and Natural Environment, PO Box 238, Aristotle University of Thessaloniki, Thessaloniki GR 541 24
E-mail: *aravanop@for.auth.grr*
URL: https://christinach.github.io/philippos_webpage_dev/index.html
ORCHID ID: orcid.org/0000-0001-7194-2642
Scopus Profile: https://scholar.google.be/citations?hl=el&user=u4_w8C8AAAAJ
Web of Science ID: https://www.webofscience.com/wos/author/record/CAA-5630-2022
Google Scholar ID: https://scholar.google.com/citations?hl=el&tzom=-120&user=u4_w8C8AAAAJ&view_op=list_works&sortby=title
Skype ID: phil.aravanopoulos

Phone: +30-231099-2778, -8928
Fax: +30 2310-344693
Languages: Greek, English, French

Present positions:
Director, Laboratory of Forest Genetics
Director, Graduate Program "Biomonitoring-Bioeconomy"

Education
1987-1992 Ph.D. in Forest Genetics & Tree Breeding, University of Toronto, Canada
•*ranked 11th Most Cited Institution, ISI Thompson Reuters (http://sciencewatch.com /inter/ins/09/09Top20 Overall/)*
•*ranked 1st Canadian University; 25th University in Worldwide Academic Ranking over the past 25 years (http://www.arwu.org/)*
PhD Thesis: "Dynamics of electrophoretic spectra in full-sib families of *Salix eriocephala* Michx. and *S. exigua* Nutt., and their implementation in breeding research"
1981-1986 B.Sc. in Forest & Environmental Science, Faculty of Agriculture, Forestry & Natural Environment, Aristotle University of Thessaloniki, Greece
B.Sc. Thesis: Genetic variation of *Pinus brutia* Ten. in Lesvos Island *(5-year undergraduate program with B.Sc. Thesis)*

Postdoctoral Research
Department of Genetics, University of Stockholm & Department of Forest Genetics, Swedish University of Agricultural Sciences, Uppsala

Visiting Professor
University of Toronto, Canada (1999, 2001)

Research Interests
●Molecular&Classical Genetics & Plant Breeding, ●Conservation & management of Plant Genetic Resources, ●Genomics of Perennial Woody Species, ●Response & Adaptation of Genetic Resources to Climatic Change, ●Breeding for Biotic & Abiotic Stress Resistance, ●Breeding for Biomass Production & Energy Conversion, ● Gene & Quantitative Loci (GWAS/QTL) Mapping and Marker Assisted Selection (MAS), ●Genetic Monitoring – Biodiversity Monitoring (metagenomics, metabarcoding) ●Epigenetic - Epigenomics, ●Geneecology & environmental Genetics, ● DNA Fingerprinting, & Molecular Diagnostics, ● Quantitative Genetics, ●Bioethics.

Featured Short Films on Genetic Conservation

- The past and future of a unique pine population – Production of EUFORGEN (European Forest Genetic Resources Network) https://www.youtube.com/watch?v=YomBJ05wpck
- Genetic monitoring of Greek forests – Production of LIFEGENMON https://www.youtube.com/watch?v=qf3PqxSr1VA
- Genetic monitoring of Greek forests – Laboratory analyses – Production of LIFEGENMON https://youtu.be/1mgNDkcIZLg

Academic Awards (since 1989)

(19 awards based on academic excellence)

1995	European Science Foundation Conference Scholarship (declined)
1994-1996	Postdoctoral Fellowship, University of British Columbia (declined)
1991-1992	Bioenergy Agreement Award
1991-1992	Ontario Graduate Scholarship
1987-1992	University of Toronto Special Fellowships (5 consecutive fellowships from 1987-88 to 1991-92)
1987-1992	University of Toronto Differential Fee Waiver Scholarships (5 consecutive fellowships from 1987-88 to 1991-92)
1989-1991	E.E. Jonson Postgraduate Forestry Fellowships (2 consecutive fellowships, 1989-90, 1990-91)
1990	Scarborough Board of Education Award - Co-operative Education Programs
1989	Canadian Tree Improvement Association Award
1989	Hessian Forest Research Station Award, Federal Republic of Germany

Most Notable Scientific Achievement

Election as a Full Member of the Hellenic Agricultural Academy (2017)

Professional Experience (since 1988)

2011 - present	•**Professor,** Aristotle University of Thessaloniki, Greece
2006 - 2010	•**Associate Professor,** Aristotle University of Thessaloniki, Greece
1999 - 2006	•**Assistant Professor**, Aristotle University of Thessaloniki, Greece
1995 - 1998	•**Lecturer**, Aristotle University of Thessaloniki, Greece
1994 - 1995	•**Research Associate**, Mediterranean Agronomic Institute of Chania & Aristotle University of Thessaloniki, Greece
1992 - 1994	•**Research Associate**, University of Toronto, Canada
1988 – 1991	•**Research Assistant & Teaching Assistant**, University of Toronto, Canada

Management Experience

Present & Past Positions in Executive Boards

National

2022 - present	*Chairman,* Executive Board, Hellenic Scientific Society for Plant Genetics & Breeding
2021 - present	*Director,* Laboratory of Forest Genetics & Tree Breeding, Faculty of Agriculture, Forestry & Natural Environment, Aristotle University of Thessaloniki

2021 - present — *Director,* Graduate Program "Biomonitoring-Bioeconomy", Faculty of Agriculture, Forestry & Natural Environment, Aristotle University of Thessaloniki

2022 – 2024 — *Member,* Publications Committee, Aristotle University of Thessaloniki

2024 – present — *Member* (substitute) National NATURE2000 Committee

2021 - 2023 — *Member,* Committee of the Academy of Athens, for the Resilience of the Hellenic Forest Ecosystems to Climate Change (EADO). *Participation in the writing and review of the Report "Resilience of the Hellenic Forest Ecosystems to Climate Change". [Arianoutsou N, Zerefos C, Kalabokidis K, Poupkou A & FA Aravanopoulos 2023. Resilience of the Hellenic Forest Ecosystems to Climate Change. Committee for the Resilience of the Hellenic Forest Ecosystems to Climate Change (EADO). Academy of Athens, Athens, Greece, 547 pp, ISBN 978-960-404-413-9}.*

2019 – 2021 — *Chairman,* Ethics and Research Integrity Committee, Hellenic Agricultural Organization – ELGO (Hellenic Agricultural Organization, Greece).

2018 – 2020 — *Chairman,* Ethics and Research Integrity Committee, Aristotle University of Thessaloniki, Greece.

2018 — *Member, Working Group* National Forestry Strategy Plan for Greece. *Development of the National Forestry Strategy (Published in: National Government Newspaper 5351.28-11-2018).*

2014 - 2018 — *Chairman,* Scientific Council, Hellenic Agricultural Organization – ELGO (Hellenic Agricultural Organization, that at the time included *34 Research Institutes and 17 Research Stations*). *The Scientific Council (SC) since its appointment has been engaged in: (1) the development of Policy, Procedures & Operating Principles of the SC, (2) the strategic development of agricultural research in Greece, (3) the proposals on the scientific domains of new recruitments, (4) the criteria of researchers' evaluation & selection, (5) the criteria evaluation committee and Rapporteur selection, & (6) the formation of evaluation committees, (**168** committees, selection of **504** regular members, **342** substitute members). The SC has carried out **162 elections of researchers*** among ***1477** candidates.*

2015 - 2021 — Member of Executive Board, Center of Interdisciplinary Research, Aristotle University of Thessaloniki, Greece.

2013 - 2018 — *Chairman,* Internal Evaluation Committee, Faculty of Forestry & Natural Environment, Aristotle University of Thessaloniki

2013 - 2015 — *Deputy Chairman,* Faculty of Forestry & Natural Environment, Aristotle University of Thessaloniki

2012 - 2014 — *Chairman,* Executive Board, Hellenic Scientific Society for Plant Genetics & Breeding

2011- 2012 — *Deputy Director,* Institute of Agrobiotechnology – Center for Research and Technology Hellas (CERTH Board Decision 29-3-2011)

2010-2014 — *Member,* Integrated Environmental Management Committee, Aristotle University of Thessaloniki

2008-2012 — *Erasmus Program Coordinator* Faculty of Forestry & Natural Environment, Aristotle University of Thessaloniki

2008-2012 — *ECTS Coordinator* Faculty of Forestry & Natural Environment, Aristotle University of Thessaloniki

2002 - 2004 — *Chairman,* Executive Board, Hellenic Scientific Society for Plant Genetics & Breeding

1998-present — *Member,* Evaluation Committees for the selection of academic/research staff (Aristotle University of Thessaloniki, Democritus University of Thrace, Institute of Agrobiotechnology-CERTH, University of Thessaly, Agricultural University of Athens, Hellenic Centre of Marine Research, ELGO-Demeter). *Requirement & promotion of scientists for academia and research. Selected scientists were voted by the corresponding Electoral Bodies and pursue successful careers in genetics and molecular biology.*

1995- present — *Member,* Executive Committees of the Aristotle University of Thessaloniki, and of the Faculty of Agriculture, Forestry & Natural Environment *(including the Committee of the AUTH*

Centre of Interdisciplinary Research, 2015-2021, & the AUTH Technical Council (2013-2016).

International

2014-present *Deputy Coordinator,* 2.04.01 Population, Ecological & Conservation Genetics, International Union of Forest Research Organizations (IUFRO). *Contribution in the coordination of a group of about 200 scientists. Main achievements: promotion of research and bringing together those interested on the genetics of forest tree populations and their conservation especially in relation to ecological and climatic influences and the organization of Special Sessions within international, or world congresses (six such sessions have been organized and a 7th which I organize is under way XXV IUFRO World Congress - Stockholm).*

2019-2024 *Working Group Leader*, COST-CA18201: An integrated approach to conservation of threatened plants for the 21st Century. *Coordination of expert scientists from 23 European countries regarding the genetics and genomics of plant conservation. The successful operation of this WG is manifested by its deliverables: Fišer Z, Aronne G, Aavik T, Akin M, Alizoti P, Aravanopoulos FA et al 2021, Aravanopoulos Castro S, Ensslin A, et al. 2020). Ιδιαίτερα η Ομάδα Εργασίας WP5 περίπου 30 επιστημόνων που αφορά την εφαρμογή της γονιδιωματικής στην προστασία γενετικών πόρων έχει οδηγήσει στη συγγραφή τριών επιστημονικών εργασιών υπό υποβολή (Aravanopoulos et al., Bailian et al., Sanchez et al).*

2012-2016 *Working Group Co-Leader*, COST-FP1202: Strengthening conservation: a key issue for adaptation of marginal/peripheral populations (MaP-FGR). *Coordination of expert scientists from 23 European countries regarding the study of genetics and conservation of marginal and peripheral forest tree populations. The WG introduced for the 1st time in Europe the comprehensive study of marginal populations The network of the WG's 40 scientists produced the 1st specialized paper in this domain (Fady, Aravanopoulos et al. 2016. Evolution-based approach needed for the conservation and silviculture of peripheral forest tree populations. For. Ecol. Manag. 375: 66–75) and developed marginality indices for biodiversity protection (Picard, Marchi, Serra-Varela, … Aravanopoulos, Vendramin, Ducci, Fady & Alia 2022. Marginality indices for biodiversity conservation in forest trees. Ecological Indicators 143: 109367, 1-11, https://doi.org/10.1016/j.ecolind.2022.109367).*

2011- 2015 *Leader*, Forest Tree Genetic Monitoring European Working Group (Bioversity International). *Coordination of expert scientists from 32 European countries and from Bioversity International on devising approaches to monitor biodiversity, especially at the genetic level, in European natural ecosystems (science, protocols, procedures, policies, etc.). It is anticipated that this process, when finalized, will be adopted by FOREST EUROPE (MCPFE process; Ministerial Conference for the Protection of Forests in Europe) and will become embedded in European environmental policy and its application. The process involves coordination on scientific concept development and applications via molecular tools of a core group of about 50 scientists through meetings, workshops, and internet-based communication tools. It also involves updating and informing a larger group of about 150 experts through conference participation as well as internet-based communication tools. Final recommendations will be made to the European Forest Genetic Resources Network Steering Committee and will be reported to FOREST UROPE (MCPFE).*

2011-2014 *Thematic Studies Contributor*, FAO. Status of World Forest Genetic Resources *Working in very close cooperation with a core group of 18 scientists on the preparation of two Thematic Studies of the Status of World Forest Genetic Resources Report by FAO. The process involves meta-analysis of existing results, reviews of knowledge acquired insofar, gap analysis on knowledge needed and recommendations for future scientific research. This is a very important endeavour regarding the study and conservation of forest biodiversity at the world level that is harboured within natural ecosystems.* 2006-2015*National Representative*, European Forest Genetic Resources Network. *Contribution to the development of national and European policies for biodiversity protection. Cooperating with scientists from the Ministry of Environment and Climatic Change (GR), Research Institutes and Academia. Cooperating with more than 100 scientists and managers at the European level.*

2002–2006: *Management Committee Member*, European Forest Genomics Network. *The European Forest Genomics Network has been the forerunner for genomic applications in perennial plants throughout Europe. At the initial stages of this very successful Network, the Management Committee has achieved*

putting genomics into natural ecosystem research. As a result of the Network's efforts, funding (EC, ESF, national, private) for genomic applications in natural ecosystems has dramatically increased.

1996-2006 *Deputy Chairman* WP2.02.13 (Genetic Improvement of Mediterranean Species), International Union of Forest Research Organizations (IUFRO). *For a decade, participated in the coordination of a group of about 80 scientists from Mediterranean countries. Main achievements: alerting the scientific community at large about the serious threats that are being imposed on Mediterranean biodiversity, promoting breeding activities for combating climatic change effects, lobbying, and eventually increasing funding for Mediterranean forestry research.*

1992-1993 *Assistant Coordinator*, Bioenergy Agreement-Task VIII, International Energy Agency (IEA). *Participated in the coordination of a group of about 100 scientists on the genetics of biomass production for energy conversion.*

1992-1993 *Research Associate* and *Member* of the Editorial Board, Information Bulletin, IEA - BA - Task VIII. *Assisted in the coordination of biomass related research with an emphasis on genetics and breeding of a group of about 100 scientists Participated in the information and outreach activities associated with a group of about 100 scientists on the genetics of biomass production for energy conversion.*

Member of the Editorial Board of International Journals

- *PLOS One, PLoS Org, Associate Editor (2014-present)*
- *Frontiers in Plant Science, Review Editor (2020- present)*
- *Frontiers in Forests and Global Change, Review Editor (2019- present)*
- *Open Journal of Forestry, Scientific Research Publishing (Editorial Board, 2011-2016)*
- *Editor, Scientific Annals of the School of Forestry & Natural Environment*, Aristotle University of Thessaloniki, (2009-2015)
- *Forest Genetics, Arbora Publishers (Editorial Board, 1994-2005)*
- *International Energy Agency – Bioenergy Agreement Bulletin (Task VIII), Editorial Committee Member (1992-1995)*

Organizing & Scientific Committees of International & National Conferences

- *Session Chair, Scientific Committee Member, 26th IUFRO World Congress, Stockholm (2024)*
- *Scientific Committee Member, International Ecology and Evolutionary Biology Symposium, Çanakkale (2024)*
- *Scientific Committee Member, ConservePlants International Conference (2024)*
- *Session Chair, Scientific Committee Member, 2nd Biannual Evoltree International Conference (2023)*
- *Session Chair, Member of the Scientific Committee, 3rd International Electronic Conference on Forests (2023)*
- *Session Chair, Member of the Scientific Committee, International Conference "Genetics to the Rescue", Avignon (2020)*
- *Chairman of the Organizing Committee of the European Stakeholder Meeting of Agencies for the Protection of Forest Genetic Resources (2017)*
- *Member, Organizing Committee, 8th Panhellenic Ecology Conference (2016)*
- *Member, Organizing Committee, European Plant Science Organization (EPSO) Pan-European Conference (2012-2013)*
- *Member, Organizing Committee, SILVANET International Conference "Development of Forest Science Curricula in Europe" (2009)*
- *Member, Organizing Committee, IUFRO International Conference "Scientific and Social Perspectives on Woodland Culture" (2007)*
- *Member, Scientific Committee, Jean Monnet Conference "Protection, restoration, and sustainable development of the natural and cultural environment in Europe" (2007)*
- *Member, Scientific Committee, IUFRO International Conference "Low Input Breeding and Genetic*

Conservation of Forest Tree Species" (2006)

- *General Secretary, Organizing Committee, 12th Panhellenic Forest Science Conference (2005)*
- *Member, Scientific Committee, 12th Panhellenic Forest Science Conference (2005)*
- *Member, Organizing Committee, 11th Panhellenic Forest Science Conference (2003)*
- *Member, Scientific Committee, 11th Panhellenic Forest Science Congress (2003)*
- *Member of the Scientific Committee, Intensive Postgraduate Course "Genetics and Resistance of Forest Species to Stresses" (Advanced Research Workshops series, European Commission) (2002)*
- *Member, Organizing Committee, 10th Panhellenic Forest Science Conference (2002)*
- *Member, Scientific Committee, 10th Panhellenic Forest Science Conference (2002)*
- *Vice-Chair, Organizing Committee, 8th Panhellenic Conference of the Hellenic Scientific Society for Plant Genetic Improvement (2000)*
- *Vice-Chair, Organizing Committee, International Scientific Meeting "Adaptation and Selection of Mediterranean Pines for Sustainable Afforestation of Marginal Agricultural Lands" (2000)*
- *Member, Organizing Committee, International Scientific Meeting "Interdisciplinary Research in Chestnut" (2000)*

Expert Evaluator - International & National Level

- Horizon Europe, H2020, 7th, 6th Framework RTD Programme, European Commission (DG Research)
- European Research Council (**ERC**) European Commission (DG Research)
- European Science Foundation **(ESF)**
- National Infrastructure of Biological Resource Centres (RARE), France
- Institut National de la Recherche Agronomique et l' Environnement (INRAE), France
- Natural Sciences & Engineering Council of Canada (**NSERC**)
- Ministry of Education, Universities and Research, Italy
- National Centre for Research and Development*, Poland* ***(NCBIR)***
- State Education Development Agency (SEDA), Latvia
- Executive Agency for Higher Education, Research, Development & Innovation Funding (UEFISCDI), Romania
- General Secretariat of Research and Innovation, Greece
- Hellenic Foundation of Research and Innovation
- Hellenic Scholarship Foundation
- Hellenic Ministry of Education & Research
- Hellenic National Board of Evaluators (Government Newspaper 483/21-4-2003)
- Research Board of Advisors, American Biographical Institute (**ABI**)
- Scientific Council of the Hellenic Agricultural Organization - **ELGO**, (National Agricultural Foundation of Greece): review, evaluation and selection of 125 new *recruitments* and 37 promotion reviews of research scientists.

Guest Speaker Keynote Addresses at International & National Scientific Conferences

- 3rd European EPI-CATCH Conference "Epigenetic mechanisms of crop adaptation and change, Sofia, Bulgaria (2023)
- Department of Biology 50-year Anniversary, Aristotle University of Thessaloniki, Greece (2023)
- 2nd Cypriot Forestry Meeting, Nicosia, Cyprus (2019)
- International Conference, "How to advance forestry for future generations", Novi Sad (2018)
- Joint Research Center (JRC – EU) Conference "Scientific Support to Agriculture, Athens (2014)
- Aristotle University National Symposium, Aristotle University of Thessaloniki, Greece (2014)

- European Plant Science Organization (EPSO), 7th EPSO Conference (2013)
- International Meeting European Forest Genetic Resources Network (2012)
- International Conference and Workshop "Protection and Genetic Monitoring of Forest Genetic Resources", European Forest Genetic Resources Network (2012)
- International Meeting, European Forest Genetic Resources Network (2009)
- 14th Pan-Hellenic Conference, Hellenic Forest Science Society (2009)
- 12th Pan-Hellenic Conference, Hellenic Society for Plant Genetics and Breeding (2008)
- International Union Forest Research Organizations Joint Conference "Low Input Forest Tree Breeding" (2006)
- International Union Forest Research Organizations, Joint Forest Biology Conference, Charleston, USA (2004)
- 1st International Symposium "Acclimatization and Establishment of Micropropagated Plants" (2003)
- Hellenic Society for Horticultural Science, Agrotica Scientific Meeting (2003)

Invitations for Seminars *(23 invitations; 12 international)*

- Academia Sinica
- Agricultural University of Athens
- Albert Ludwigs University of Freiburg
- Aristotle University Forest Fund
- Aristotle University Environmental Council
- Chinese Academy of Forestry
- Constantin the Philosopher University, Slovakia
- Council for the Environment, Aristotle University
- Department of Pharmacy, Aristotle University
- Faculty of Agriculture, Aristotle University
- Mediterranean Agronomic Institute of Chania (4 invitations)
- Mediterranean Agronomic Institute of Saragoza
- Ministry of Agriculture, Cyprus
- Municipality of Thessaloniki
- National History Museum of Lesvos
- NGO "Hellas in Orbit"
- Organizing Committee of World Forestry Day - Greece 2010
- Swedish University for Agricultural Sciences
- University of Toronto

Participation in Research Projects *(Project Member, or Scientific Responsible; since 1988)*

- International Energy Agency (IEA) (2)
- European Commission DG6, DG12 (14)
- Natural Sciences & Engineering Council of Canada (NSERC) (2)
- National Council of Industrial & Technological Development of Sweden (NUTEK) (1)
- Austrian Science and Research Liaison Office (1)
- University of Toronto (1)
- Hellenic Foundation for Research and Innovation (1)
- General Secretariat of Research & Technology - Hellas (7)
- Hellenic Foundation of Research and Innovation (1)
- Ministry of Agricultural Development and Food (2)
- Ministry of Environment & Climatic Change - Hellas (1)

- Ministry of Education - Hellas (2)
- Ministry of the Aegean - Hellas (1)
- Other National Public and Private Agencies (14)

Project Coordinator: 16 projects.
Group Leader: 14 projects.
Group Member: 20 projects.
Average partners per project 12; average researchers per project 60.
Total: 50 research projects (συνολική χρηματοδότηση 1987-2024: ~6 M €)

- Institute of Applied Biosciences, Centre for Research and Technology, Hellas

Current Projects

- Exploiting the Untapped Potential of Fruit Tree Wild Diversity for Sustainable Agriculture, FRUITDIV (https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/org-details/948571149/project/101133964/program/43108390/details). Funding: European Commission **HORIZON EUROPE**.
- Biodiversity Genomics Europe, BGE (https://biodiversitygenomics.eu/). Funding: European Commission **HORIZON EUROPE**.
- Identifying seed sources for highly adaptable oak forests in a changing climate, ACORN (https://www.acorn-biodiversa.net/). Funding: European Commission, **BIODIVERSA/GSRT**.
- Investigation of key genetic and epigenetic processes affecting genome diversity in forest trees exposed to lignite pollutants and climatic change - Potential for early warning, GENEALERT. Funding: Hellenic Foundation for Research & Innovation **HFRI**.
- Development of new walnut (Juglans regia L.) varieties with notable agronomic and qualitative characteristics, adapted to the environmental conditions of Greece, BREEDWALNUT. Funding: Hellenic Ministry of Agricultural Development & Food, **ΥΠΑΑΤ**.
- Establishment of a Genetic Monitoring Unit in the University Forest of Taxiarchis. Funding: University Forest Administration & Management Fund, **ΤΔΔΠΔ**.

Programmes of Scientific Cooperation

- 9 COST programmes
- 2 Inter-University Cooperation Programmes of Aristotle University (Cyprus, Slovakia)

State of the Art Research - Innovation (please also consult Publication List)

Pearman *et al*. 2024. *A method for evaluating and quantifying genetic monitoring in Europe* (Nature Ecology & Evolution)

Picard *et al*. 2022. *Development of marginality indices for biodiversity protection* (Ecological Indicators).

Xanthopoulou *et al*. 2020. ***1st*** *comprehensive genome resequencing in Prunus avium* (Horticulture Research).

Pinosio *et al*. 2020. ***1st*** *publication of the complete genome of Prunus avium* (The Plant Journal).

Avramidou *et al*. 2017. ***1st*** *publication of a full linkage map in Cupressaceae and* ***1st*** *report on QTL mapping in Cupressaceae* (Tree Genetics and Genomes) *(FA Aravanopoulos, corresponding author).*

Aravanopoulos 2011, 2016: *A comprehensive method and innovating approach for genetic monitoring in higher plants* (Botany 2011, Current Forestry Reports 2016).

Avramidou *et al*. 2015α: ***1st*** *publication for a large scale study of epigenetic inheritance in a gymnosperm species* (Gene) *(FA Aravanopoulos, corresponding author).*

Gomez *et al*. 2003: ***1st*** *publication on gene mapping using molecular markers in Pinus halepensis* (Silvae Genetica)) *(FA Aravanopoulos, corresponding author)*.

Aravanopoulos 2001: ***1st*** *publication on gene mapping in Salix eriocephala –* ***1st*** *report on linkage conservation above the species level in genus Salix* (Forest Genetics).

Aravanopoulos *et al*. 2000: ***1st*** *publication on the paternal inheritance of chloroplast DNA in pines of Group Halepensis.* Proc. 2nd Balkan Botanical Congress, Istanbul) *(FA Aravanopoulos, corresponding author).*

Aravanopoulos 1998: ***1st*** *publication on gene mapping in Salix exigua* (Silvae Genetica).

Aravanopoulos & Zsuffa 1998: ***1st*** *vαpublication on the relationship between heterozygosity and biomass production in genus Salix* (Heredity)) *(FA Aravanopoulos, corresponding author).*

Chong *et al*. 1995: ***1st*** *publication in a forest woody angiosperm on DNA fingerprinting using the M13 universal primer* (Scandinavian Journal of Forest Research).

Cheliak & Aravanopoulos 1991 (eds): ***1st*** *attempt in the literature to record mutations and characteristic forms of woody species for exploitation in plant breeding* (International Energy Agency Publ.)

Aravanopoulos 1990: ***1st*** *publication in the literature of maternal effects in genus Salix &* ***1st*** *report on a forest species on its interpretation as a DNA methylation result.* (Proc. IUFRO XIX World Congress).

Reviewer *(52 scientific journals; 49 international)*

- *Acta Horticolturae,* ISHS Publ.
- *African Journal of Biotechnology,* Academic Journals
- *Agricultural Research*, NAGREF Publ.
- *Annals of Botany* (Oxford Academic)
- *Annals of Forest Science*, EDP Sciences Journals
- *Biodiversity & Conservation,* Springer
- *Biologia*, Springer
- *BMC Genomics,* BioMed Central Publ.
- *BMC Research Notes,* BioMed Central Publ.
- *Biomass & Bioenergy*, Elsevier
- *Canadian Journal of Botany,* NSERC Publ.
- *Canadian Journal of Forest Research,* NSERC Publ.
- *Conservation Genetics,* Springer
- *Ecological Applications,* Wiley
- *Environmental & Experimental Botany,* Elsevier
- *Environmental Science & Technology,* ACS Publ.
- *Euphytica,* Springer
- *Forest Ecology and Management,* Elsevier
- *Forest Genetics*, Arbora Publ.
- *Forest Research*, NAGREF Publ.
- *Forest Science,* CABI Publishing
- *Forest Systems,* INIA Publ.
- *Forestry,* Oxford Journals
- *Forestry Ideas*, University of Forestry, Sofia
- *Forests,* MDPI-Basel
- *Frontiers in Forests & Global Change*, Frontiers Publ.
- *Frontiers in Plant Science*, Frontiers Publ.
- *GCB Bioenergy*

- *Gene,* Elsevier
- *Gene Reports,* Elsevier
- *Genome,* NRC Research Press
- *Geotechnical Scientific Issues*, Geotechnical Chamber of Greece Publ.
- *Horticultural Reviews,* ISHS Publ.
- *International Journal of Molecular Sciences*, MDPI-Basel
- *Journal of Agricultural Science & Technology,* Tarbiat Modares Publ.
- *Journal of Biological Research,* AUTh Publ.
- *Journal of Horticulture and Forestry*, Academic Publishers
- *Journal of Tropical Forest Science*, FRIM Publ.
- *Molecular Ecology*, Blackwell
- *Molecular Biology Reports,* Springer
- *New Forests,* Kluwer
- *Open Journal of Forestry*, SCIRP
- *PeerJ,* PeerJ Inc. Publ.
- *Plant Biology,* Wiley
- PLOS One, PLOS
- *Regional Environmental Change,* Springer
- *Scientia Horticulturae,* Elsevier
- *Silvae Genetica,* Sauerländer's Verlag
- *Systematics & Biodiversity,* Taylor & Francis
- *Theoretical and Applied Genetics*, Springer
- *Tree Genetics and Genomes*, Springer
- *Turkish Journal of Agriculture & Forestry* Academic Journals

Member of Human Networks

- Mediterranean Experts on Climate and Environmental Change
- Canadian Biotechnology Network
- European Environmental Network
- Non-Food Agro Industrial Research Network
- International Mediterranean Network MEDUSA
- Hellenic National Rural Network

Teaching (1988 – present)

- Teaching Assistant in 4 undergraduate courses & one graduate course: Faculty of Arts and Sciences, Faculty of Forestry, Innis College - **University of Toronto** (1989-1992).
- Co-instructor, **School of Agriculture** Post-Graduate Program **"Plant Breeding & Production of Propagation Material"**, Aristotle University of Thessaloniki (1 course, 1996 – present).
- Instructor & co-instructor in Intensive Short Courses: Mediterranean Agronomic Institute of Chania (**Dept. of Horticulture & Biotechnology**), Mediterranean Agronomic Institute of Saragosa, Aristotle University of Thessaloniki, (8 courses, 1994-2004, 2013-present).
- Instructor & Co-Instructor, **Undergraduate** and **Post-Graduate Program** of the **School of Forestry & Natural Environment**, Aristotle University of Thessaloniki (12 courses, 1996 - present).
- Co-instructor at the **Post-Graduate Program "Applications of Genetics & Biodiagnostics"** of the **School of Biology**, Aristotle University of Thessaloniki (one course, 2018-present).

•Postgraduate Seminars: **Agricultural University of Athens**, "QTL Mapping" (2006, 2008).

Supervision of Postdoctoral Researchers, PhD Candidates, Graduate & Undergraduate Students

1. Postdoctoral Level Research (completed)

- 2020-2022: Dr. Rita Verblyaite: Adaptation potential of *Alnus glutinosa* in future forests under climate change: genetic monitoring in natural distribution extremes. Present Position: Scientific Researcher, Lithuanian Research Center for Agriculture and Forestry.
- 2020-2022: Dr. Eleftheria Dalmaris: Genetic analysis of rear-edge populations of *Fagus sylvatica* and *Abies alba* in Greece, in the context of retreating natural distribution margins due to climatic change. Present Position: Postdoctoral Researcher.
- 2020-2022: Dr. Ermioni Malliarou: Genetic monitoring of beech (*Fagus sylvatica*) populations using genetic and epigenetic markers. Present Position: Researcher, HAO-DEMETER.
- 2018-2020: Dr. Aliki Xanthopoulou: Genetic analysis of *Taxus baccata* aiming at plus tree selection for taxol and other antineoplasmic taxane production. Present Position: Principal Investigator HAO-DEMETER.
- 2018-2020: Dr. Eleftheria Dalmaris: Genetic, and metabolomic analysis of *Taxus baccata* aiming at plus tree selection for taxol and other antineoplasmic taxane production. Present Position: Postdoctoral Researcher.
- 2018-2020: Dr. Evangelia Avramidou: Epigenetic analysis of *Taxus baccata* aiming at plus tree selection for taxol and other antineoplasmic taxane production. Present Position: Principal Investigator HAO-DEMETER.
- 2014-2017: Dr. Giannis Ganopoulos: Genetic monitoring and sustainable use of forest genetic resources. Present Position: Principal Investigator HAO-DEMETER.
- 2014-2017: Dr. Evangelia Avramidou: Genetic monitoring and sustainable use of forest genetic resources. Present Position: Principal Investigator HAO-DEMETER.
- 2008-2009: Dr. Dimitris Avtzis: Genetic diversity analysis of *Pityogenes chalcographus* and its host *Picea abies*, in the southernmost area of their natural distribution. Present Position: Director of Research HAO-DEMETER.
- 2000-2003: Dr. Andreas Drouzas: Genetic analysis of Greek and European chestnut populations. Present Position: Assistant Professor, AUTH.

2. Doctoral Level Research

- 2019: Ermioni Malliarou: Genetic monitoring of beech (*Fagus sylvatica*) population with genetic and epigenetic markers. Present Position: Researcher, HAO-DEMETER
- 2016: Eliza Katsidi: Pollution and genetic adaptation in forest plants: biomonitoring and investigation of resistance of black pine (*Pinus nigra* L.) genotypes to pollution Present Position: Private Sector.
- 2014: Evangelia Avramidou: Genetic mapping in cypress (*Cupressus sempervirens* L.) Present Position: Principal Investigator HAO-DEMETER
- 2014: Aglaia Papadima: Genetic diversity, mating systems and evaluation of genetic material in a pine (*Pinus hapepensis* Mill.) seed orchard. Present Position: Chief Forester, UniForest, AUTH.
- 2010: Charalambos Neophytou: A study of genetic differentiation and hybridization among oak species with divergent ecological and evolutionary profiles, Freiburg University (*co-referent). Present Position: Senior Researcher, Forest Research Institute Baden-Württemberg.

- 2008: Dorothy T. Tchatchoua: Evaluation and propagation of selected chestnut (*Castanea sativa* Mill.) genetic stock. Present Position: Associate Professor, University of Marua.

• 5 Doctoral Theses in progress.
• 24 Master Theses (M.Sc.) completed (five as co-supervisor).
• 2 Master Theses (M.Sc.) in progress.
• 61 Diploma Theses (M.For.) completed.
• 12 Diploma Theses (M.For.) in progress.

Public Outreach Activities – Social Activities

• Interviews in Greek radio and TV media: ET1, ERT News, Alpha-Radio, Antena-TV, ERT3-TV, ERT3-Radio, SKY-TV SKY-RADIO, TV-Archipelago.
• Articles and interviews in the daily press/newspapers/sites: Kathimerini, Ethnos, Empros, Exousia, Green Agenda, Parallaxi, etc.
• Popular presentations: Public and Private Schools, NGO Festivals.
• Use of social internet media
• Blood Donor Volunteer Group, Aristotle University.

Participation in conferences

•Total No. of Conferences: 153 (4 World Congresses)
•International Conferences: 114
•National Conferences: 39

Publications (full papers 243, total 468)

a. In International Journals: 120 (49 Q1 papers)
b. International Publications (Editor or Co-Editor): 6
c. Refereed Chapters in International Publ. Books: 28
d. In National Journals: 13
e. Refereed International Conference Proceedings: 17
f. University Lectures: 3
g. Datasets: 2
i. Open Repositories: 2
j. Refereed National Conference Proceedings: 56
k. Theses: 2
l. Conference Proceedings (Extended Summaries & Abstracts): 219

Competence of 2014-2024 publications

- *Total number of publications in Q1 journals: 33*
- *Average h-index: 19*
- *Journal with the highest impact factor: Nature Ecology & Evolution* (IF=19.10)

Citations

Citations: 2324, *h*-index: 29 (Google Scholar), *i*-index: 64 (Google Scholar), Citations: 1474, *h*-index: 22, (Scopus), Total Impact Factor (IF): 304.95

Publications

International Journals

120. Pearman PB, Broennimann O, Aavik T, Albayrak T, Alves PC, Aravanopoulos FA, … & M Bruford 2024. Monitoring of species' genetic diversity in Europe varies greatly and overlooks potential climate change impacts. Nature Ecology & Evolution 8: 267-281, https://doi.org/10.1038/s41559-023-02260-0 (IF=19.10).
119. Aravanopoulos FA, Tourvas N, Fotsinos S, Michailidou C & A Antoniadi 2024. Conservation genetics of the only Honeysuckle Azalea (*Rhododendron luteum*) population present in Greece. Forests 15: 5. https://doi.org/10.3390/f15010005 (IF=3.000).
118. Olsson S, Dauphin B, Jorge V, Grivet D, Farsakoglou AM, Climent J, Alizoti E, Faivre-Rampant P, Pinosio S, Milesi P, Scalabrin S, Villar M, Scotti I, Gonzalez-Martinez SC, Vendramin GG, Fady B, Aravanopoulos FA, Bastien C, Alia R 2023. Diversity and enrichment of breeding material for resilience in European forests. Forest Ecology and Management 530 (2023) 120748, https://doi.org/10.1016/j.foreco.2022.120748 (IF=4.384).
117. James J, C Kastally C, Budde KB, González-Martínez SC, Milesi P, Pyhäjärvi T, Alía R, Alizoti P, Ambrosio O, Aravanopoulos FA, … & M Lascoux 2023. Between but not within species variation in the distribution of fitness effects. Molecular Biology & Evolution 40(11): msad228 https://doi.org/10.1093/molbev/msad228 (IF=10,700).
116. Tourvas N, Ganopoulos I, Koubouris G, Kostelenos G, Manthos I, Bazakos C, Stournaras V, Molassiotis A and FA Aravanopoulos 2023. Wild and cultivated olive tree genetic diversity in Greece: a diverse resource in danger of erosion. Frontiers in Genetics 14: 1298565. https://doi.org/10.3389/fgene.2023.1298565 (IF=4.772)
115. Verbylaitė R, Aravanopoulos FA, Baliuckas V, Juškauskaitė A & D Ballian 2023. Can a forest tree species progeny trial serve as an *ex situ* collection? A case study on *Alnus glutinosa*. Plants 12: 3986. https://doi.org/10.3390/plants12233986 (IF=4.800)
114. Bazakos, C., Alexiou, K. G., Ramos-Onsins, S., Koubouris, G., Tourvas, N., Xanthopoulou, A., Mellidou I, Moysiadis T, Vourlaki IT, Metzidakis I, Sergentani C, Manolikaki I, Michailidis M, Pistikoudi A, Polidoros A, Kostelenos G, Aravanopoulos FA, Molassiotis A, & I Ganopoulos 2023. Whole genome scanning of a Mediterranean basin hotspot collection provide new insights into olive tree biodiversity and biology. Plant Journal 1-17, doi: 10.1111/tpj.16270 (IF=7.071).
113. Katsidi EC, Avramidou EV, Ganopoulos I, Barbas E, Doulis A, Triantafyllou A & FA Aravanopoulos FA 2023. Genetics and epigenetics of *Pinus nigra* populations with differential exposure to air pollution. Frontiers in Plant Science 14:1139331. doi: 10.3389/fpls.2023.1139331 (IF=6.627).
112. Verbylaitė R, Aravanopoulos FA, Baliuckas V, & A Juškauskaitė 2023. Genetic monitoring of *Alnus glutinosa* natural populations using two generation cohorts Forests 2023, 14, 330. https://doi.org/10.3390/f14020330 (IF=3.282).
111. Politi DE & FA) Aravanopoulos 2022. Diversity of leaf morphometric parameters in natural Greek populations of *Arbutus unedo.* Folia Oecologica 49(2) doi: 10.2478/foecol-2022-0013
110. Dalmaris E, Tourvas N & FA Aravanopoulos 2022. Genetic diversity of Silver Fir (*Abies alba*) and European Beech (*Fagus sylvatica*) populations from the south-eastern limits of their natural distribution. Environ. Sci. Proc. 22, 37: 1-6, https://doi.org/10.3390/IECF2022-13129.
109. Fady B, Esposito E, Abulaila K, Aleksic JM, Alia R, Alizoti P, Apostol EN, Aravanopoulos FA, … & M Westergren 2022. Forest Genetics Research in the Mediterranean Basin: Bibliometric Analysis, Knowledge Gaps, and Perspectives Current Forestry Reports 8:277–298 https://doi.org/10.1007/s40725-022-00169-8 (IF=10.975).
108. Tsivelikas AL, Avramidou EV, Ralli PE, Ganopoulos IV, Moysiadis T, Kapazoglou A, Aravanopoulos FA & AG Doulis 2022. Genetic diversity of Greek grapevine (*Vitis vinifera* L.) cultivars using ampelographic and microsatellite markers. Plant Genetic Resources: 1–13, https://doi.org/10.1017/S147926212200020X, (IF=1.279).

107. Picard N, Marchi M, Serra-Varela MJ. Westergren M, Cavers S, Notivol E, Piotti A, Alizoti P, Bozzano M, González-Martínez SC, Grivet D, Aravanopoulos FA, Vendramin GG, Ducci F, Fady B, & R Alia 2022. Marginality indices for biodiversity conservation in forest trees. Ecological Indicators 143: 109367, 1-11, https://doi.org/10.1016/j.ecolind.2022.109367 (IF=6.263).

106. Varotto S, Krugman T, Cigliano RA, Kashkush K, Kondić-Špika A, Aravanopoulos FA, Pradillo M, Consiglio F, Aversano R, Pecinka A & D Miladinović 2022. Exploitation of epigenetic variation of crop wild relatives for crop improvement and agrobiodiversity preservation. Theoretical and Applied Genetics https://doi.org/10.1007/s00122-022-04122-y (IF=5.699).

105. El Chami MA, Tourvas N, Kazakis G, Kalaitzis P & FA Aravanopoulos 2021. Genetic characterisation of chestnut cultivars in the island of Crete. Forests *2*(12): 1659, https://doi.org/10.3390/f12121659 (IF=3.282).

104. Opgenoorth L, Dauphin B, Benavides R, … Valladares F, Aravanopoulos FA, & S Cavers 2021. The GenTree Platform: growth traits and tree-level environmental data in 12 European forest tree species. GigaScience 10: 1-13 https://doi.org/10.1093/gigascience/giab010 (IF=6.524).

103. Avramidou EV, Moysiadis T, Ganopoulos I, Michailidis M, Kissoudis C, Valasiadis D, Kazantzis K, Tsaroucha K, Tsaftaris A, Molasiotis A, Aravanopoulos FA & A Xanthopoulou 2021. Phenotypic, genetic and epigenetic variation among diverse sweet cherry gene pools. Agronomy 11: 680, https://doi.org/10.3390/agronomy11040680 (IF=2.603).

102. Benavides R, Carvalho B, Bastias CC, López-Quiroga D, Mas A, Cavers S, Gray A, Albet A, Alía R, Ambrosio O, Aravanopoulos FA, … & F Valladares 2021. The GenTree Leaf Collection: Inter- and intraspecific leaf variation in seven forest tree species in Europe. Global Ecology & Biogeography 30: 590–597. DOI: 10.1111/geb.13239 (IF=6.446).

101. Fišer Z, Aronne G, Aavik T, Akin M, Alizoti P, Aravanopoulos FA, … & E Zippel 2021. ConservePlants: An integrated approach to conservation of threatened plants for the 21st Century 2021. Research Ideas and Outcomes 7: e62810 doi: 10.3897/rio.7.e62810

100. Aravanopoulos FA, Castro S, Ensslin A, Fišer Z, Glasnović P, Godefroid S, Joshi J, Kiehn M, Klisz M, Surina B, Wiland-Szymańska J 2020. ConservePlants - A newly established network for the conservation of European threatened plants. Botanical Gardens Journal 17(2): 47-49.

99. Fady B, Aravanopoulos FA, Benavides R, González-Martínez SC, Grivet D, Lascoux M, Lindner M, Rellstab C, Valladares F & B Vinceti 2020. Genetics to the rescue: managing forests sustainably in a changing world. Tree Genetics & Genomes 16: 80, https://doi.org/10.1007/s11295-020-01474-8 (IF=3.282).

98. Dalmaris E, Avramidou EV, Xanthopoulou A & FA Aravanopoulos 2020. Dataset of targeted LC-MS/MS metabolite analysis for five taxanes of Hellenic *Taxus baccata* L. populations. Data 5: 22, https://doi:10.3390/data5010022

97. Jaramillo-Correa JP, Bagnoli F, Grivet D, Fady B, Aravanopoulos FA, Vendramin GG & SC González-Martínez 2020. Evolutionary rate and genetic load in an emblematic Mediterranean tree following an ancient and prolonged population collapse. Molecular Ecology 29(24): 4797-4811 https://doi.org/10.1111/mec.15684 (IF=5.580).

96. Pinosio S, Marroni F, Zuccolo A, Vitulo N, Mariette S, Sonnante G, Aravanopoulos FA, Ganopoulos I, Palasciano M, Vidotto M, Magris G, Iezzoni A, Vendramin G & M Morgante 2020. A draft genome of cherry (*Prunus avium* L.) reveals genome-wide and local effects of domestication. Plant Journal 103: 1420-1432, https://doi.org/10.1111/tpj.14809 (IF=5.775).

95. Xanthopoulou A, Manioudaki M, Kissoudis C, Farsakoglou AM, Karagiannis E, Michailidis M, Bazakos C, Kazantzis K, Tsaftaris A, Madesis P, Aravanopoulos FA, Molassiotis A & I Ganopoulos 2020. Whole genome re-sequencing of sweet cherry (*Prunus avium* L.) yields insights into diversification of a fruit tree crop. Horticulture Research 7 (60): 1-14, https://doi.org/10.1038/s41438-020-0281-9 (IF=4.443).

94. de Dato GD, Teani A, Mattioni C, Aravanopoulos FA, Avramidou EV, Stojnc S, Ganopoulos I, Belletti P & F Ducci 2020. Genetic analysis by nuSSR markers of silver birch (*Betula pendula* Roth) populations in their southern European distribution range. Frontiers in Plant Science 11: 310, doi: 10.3389/fpls.2020.00310 (IF=4.106).

93. Martinez-Sancho E, Slámová L, Morganti S, Grefen C, Carvalho B, Dauphin B, Rellstab C, Gugerli F, Opgenoorth L, Heer K, Knutzen F, Arx von D, Valladares F, Cavers F, Fady B, Alia R, Aravanopoulos FA, … & P Fonti 2020. The GenTree Dendroecological Collection: tree-ring and wood density data from seven tree species across Europe. Scientific Data *7:1* https://doi.org/10.1038/s41597-019-0340-y 7:1 https://doi.org/10.1038/s41597-019-0340-y (IF=5.929).

92. Aravanopoulos FA & PG Alizoti 2019. Climate change impacts on the genetics of post-fire regeneration and reproductive phenology. Advances in Global Change Research 65: 449-458 (IF=1.80).

91. Aravanopoulos FA, Alizoti PG, N Tourvas, Malliarou E, Avramidou EV, Korompoki IV, Kotina VM, V Barbas & Farsakoglou AM, 2019a. Overview on forest genetic monitoring (FGM) including case studies on FGM for two species from Greece. Advances in Global Change Research 65: 401-408 https://doi.org/10.1007/978-3-319-95267-3_6 (IF=1.80).

90. Aravanopoulos FA, Alizoti PG, Farsakoglou AM, Malliarou E, Avramidou EV & N Tourvas 2019b. State of biodiversity and forest genetic resources in Greece in relation to conservation. Advances in Global Change Research 65: 73-86. https://doi.org/10.1007/978-3-319-95267-3_6 (IF=1.80)

89. Alizoti PG & FA Aravanopoulos 2019b. Conserving biodiversity and plant genetic resources: The Hellenic legal framework. Advances in Global Change Research 65: 141-148 https://doi.org/10.1007/978-3-319-95267-3_6 (IF=1.80).

88. Alizoti PG, Aravanopoulos FA & K Ioannidis 2019. *Ex situ* conservation of forest genetic resources in Greece. Advances in Global Change Research 65: 291-302 https://doi.org/10.1007/978-3-319-95267-3_6 (IF=1.80).

87. Stojnić S, Avramidou E, Fussi B, Westergren M, Orlović S, Matović B, Trudić B, Kraigher H, Aravanopoulos FA & M Konnert 2019. Assessment of genetic diversity and population genetic structure of Norway spruce (*Picea abies* (L.) Karsten) at its southern lineage in Europe. Implications for conservation of forest genetic resources. Forests 10, 258: 1-15; doi:10.3390/f10030258 (IF=1.951).

86. Aravanopoulos FA 2018. Do silviculture and forest management affect the genetic diversity and structure of long-impacted forest tree populations? Forests 9, 355: 1-14, https://doi:10.3390/f9060355 (IF=3.282)**.**

85. Eliades NGH, Aravanopoulos FA & AK Christou 2018. Mediterranean islands hosting marginal and peripheral forest tree populations: the case of *Pinus brutia* Ten. in Cyprus. Forests 9, 514; https://doi:10.3390/f9090514 (IF=3.282).

84. Xanthopoulou A, Tsaballa A, Ganopoulos I, Kapazoglou A, Avramidou E, Aravanopoulos FA, Moysiadis T, Osathanunkul M, Tsaftaris A, Doulis AG, Kalivas A, Sarrou E, S Martens, Nianiou-Obeidat I & P Madesis 2018. Intra-species grafting induces epigenetic and metabolic changes accompanied by alterations in fruit size and shape of *Cucurbita pepo* L. Plant Growth Regulation https://doi.org/10.1007/s10725-018-0456-7 .

83. Ganopoulos I, Farsakoglou AM, Xanthopoulou A, Aravanopoulos FA, Molassiotis A, Malliarou E, Avramidou E, Osathanunku M, Madesis P, Tsaftaris A & K Kazantzis 2018. Towards breeding of sweet cherry (*Prunus avium* L.): morpho-physiological evaluation of new developed hybrids. Euphytica 214: 99, https://doi.org/10.1007/s10681-018-2179-2 (IF=1.626)**.**

82. Kavaliauskas D, Fussi B, Westergren M, Aravanopoulos FA, Finžgar D, Baier R, Alizoti PG, Božič G, Avramidou E, Konnert M & H Kraigher 2018. The interplay between forest management practices, genetic monitoring and other long-term monitoring systems. Forests 9: 133; doi:10.3390/f9030133 (IF=3.282).

81. Ganopoulos I, Tourvas N, Xanthopoulou A, Aravanopoulos FA, Avramidou E, Zambounis A. Tsaftaris A, Madesis P, Sotiropoulos T, Koutinas N. 2018. Phenotypic and molecular characterization of apple (*Malus × domestica* Borkh) genetic resources in Greece. Scientia Agricola 75: 509-518.

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79. Abraham EM, Aftzalanidou A, Ganopoulos I, Osathanunkul M, Xanthopoulou A, Avramidou E, Sarrou E, Aravanopoulos FA & P Madesis 2018. Genetic diversity of *Thymus sibthorpii* Bentham in mountainous natural grasslands of Northern Greece as related to local factors and plant community structure. Industrial Crops & Products 111: 651–659 https://doi.org/10.1016/j.indcrop.2017.11.038 (IF=3.577).

78. Avramidou EV, Doulis AG & FA Aravanopoulos 2017. Linkage and QTL mapping in *Cupressus sempervirens* L. provides the first detailed genetic map of the species and identifies a QTL associated with crown form. Tree Genetics & Genomes 13(1): 1-14, https://doi:10.1007/s11295-016-1085-9 (IF=2.452).

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73. Fussi B, Westergren M, Aravanopoulos FA, Baier R, Kavaliauskas D, Finzgar D, Alizoti P, Bozic G, Avramidou E, Konnert M & H Kraigher 2016. Forest genetic monitoring: an overview of concepts and definitions. Environmental Monitoring & Assessment 188(8): 493, https://doi:10.1007/s10661-016-5489-7

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66. Avramidou EV, Doulis AG & FA Aravanopoulos 2015. Determination of epigenetic inheritance, genetic inheritance, and estimation of genome DNA methylation in a full-sib family of *Cupressus sempervirens* L. Gene 562: 180-187 (IF = 2.246).

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GeneBank collection using multivariate analysis. Scientia Horticulturae 197: 381-391. (IF=1.785).

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61. Graudal L, Aravanopoulos FA, Bennadji Z, Changtragoon S, Fady B, Kjaer ED, Loo J, Ramamonjisoa L & GG Vendramin 2014. Global to local genetic diversity indicators of evolutionary potential in tree species within and outside forests. Forest Ecology and Management 333: 35-51 (IF = 3.101).
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of Forest Research 130: 543-555 *(IF=1.867*).

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