

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

Academic Address - Personal data:

Faculty of Agriculture, Forestry and Natural Environment, PO Box 238, Aristotle University of Thessaloniki, Thessaloniki GR 541 24

E-mail: aravanop@for.auth.gr

URL: <http://users.auth.gr/~aravanop/>, https://christinach.github.io/philippos_webpage_dev/index_en.html,
<https://scholar.google.com/citations?user=VJwqeJUAAAAJ&hl=en>, <https://orcid.org/0000-0001-7194-2642>

ORCID ID: orcid.org/0000-0001-7194-2642

Scopus profile: <https://www.scopus.com/authid/detail.uri?authorId=6602858421>

Google Scholar profile: https://scholar.google.gr/citations?hl=en&user=u4_w8C8AAAAJ

Phone: +30-231099-2778, -8928, Fax: +30 2310-344693

Languages: Greek, English, French

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/](http://sciencewatch.com/inter/ins/09/09Top20Overall/))
 •ranked 1st Canadian University; 25th University in Worldwide Academic Ranking over the past 25 years (<http://www.arwu.org/>)
- 1981-1986 B.Sc. in Forest & Environmental Science, Faculty of Forestry & Natural Environment, Aristotle University of Thessaloniki, Greece

Visiting Professor

University of Toronto, Canada (1999, 2001)

Academic Awards: 19 awards based on academic excellence

Highest Academic Distinction: Elected Full Member of the Hellenic Agricultural Academy, *Chair of Forest Science* (2017)

Present & Past Positions in Executive Boards: 10 at the International & 14 at the National Level

Member of the Editorial Board of International Journals

PLOS One, *PLoS Org* (Associate Editor, 2014-present); *Forests* (2019-present) *Editor, Scientific Annals of the School of Forestry & Natural Environment*, Aristotle University of Thessaloniki, (2009-2017); *Forest Genetics*, Arbora Publishers (Editorial Board, 1994-2005)

Referee: 47 journals; 44 international

Invitations for Seminars: 26 invitations; 15 international, 11 national

Invited Speaker: 12 at the international and 16 at the national level (talks & keynote speeches)

Publications (extended: 257, total: 477)

a. In International Journals: 123; b. In National Journals: 13; c. International Publications (Editorial): 6; d. Refereed Chapters in Books: 34; e. Refereed International Conference Proceedings: 18; f. Refereed National Conference

Proceedings: 55; g. Data Sets: 2; Open Repositories: 2, h. University Lecture Notes: 3; i. Theses: 2; j. Conference Proceedings (Extended Summaries & Abstracts): 219.

Citations

Citations: 2434, *h*-index: 29 (Google Scholar), Citations: 1620, *h*-index: 21, (Scopus), Total Impact Factor (IF): 294.3

Selected Publications

- Pearman PB, Broennimann O, Aavik T, Albayrak T, Alves PC, **Aravanopoulos FA**, et al. 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>.
- **Aravanopoulos FA**, Tourvas N, Fotsinos S, Michailidou C, Antoniadis A 2024. Conservation genetics of the only Honeysuckle Azalea (*Rhododendron luteum*) population present in Greece. **Forests** 15: 5. <https://doi.org/10.3390/f15010005>.
- 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. **Front. Genet.** 14: 1298565. <https://doi.org/10.3389/fgene.2023.1298565>
- 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>
- Bazakos, C., Alexiou, K. G., Ramos-Onsins, S., ..., 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. **The Plant Journal** 1-17, doi: 10.1111/tpj.16270
- Fady B, Esposito E, Abulaila K, Aleksic JM, Alia R, Alizoti P, Apostol EN, **Aravanopoulos FA**, et al. 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>.
- 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.
- Varotto S, Krugman T, Cigliano RA, Kashkush K, Kondić-Špika A, **Aravanopoulos FA**, et al. 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>.
- Opgenoorth L, et al. 2021. The GenTree Platform: growth traits and tree-level environmental data in 12 European forest tree species. **GigaScience** 10: 1–13 doi: 10.1093/gigascience/giab010.
- Benavides R, et al. Carvalho B, Bastias CC, López-Quiroga D, Mas A, Cavers S, Gray A, Albet A, Alía R, Ambrosio, **Aravanopoulos FA**, et al. 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).
- 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>
- 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>
- Pinosio S, Marroni F, Zuccolo A, Vitulo N, Mariette S, Sonnante G, **Aravanopoulos FA**, et al. 2020. A draft genome

of sweet cherry (*Prunus avium* L.) reveals genome-wide and local effects of domestication. *The Plant Journal* 103: 1420-1432, <https://doi.org/10.1111/tpj.14809>

•Xanthopoulou A, Manioudaki M, Kissoudis C, Farsakoglou AM, Karagiannis E, Michailidis M, Bazakos C, Kazantzis K, Tsaftaris A, **Aravanopoulos** FA, Madesis P, 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>

•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, et al. 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

•**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> .

•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 and Genomes* 13(1): 1-14, <https://doi:10.1007/s11295-016-1085-9>

•**Aravanopoulos** FA 2016. Conservation and monitoring of tree genetic resources in temperate forests. *Current Forestry Reports* 2: 119-129 (IF=3.548) (invited paper).

•Fady B, **Aravanopoulos** FA, et al. 2016. Evolution-based approach needed for the conservation and silviculture of peripheral forest tree populations. *Forest Ecology and Management* 375: 66–75

•**Aravanopoulos** FA, Ganopoulos I & A Tsaftaris 2015. Population and conservation genomics in forest and fruit trees. *Advances in Botanical Research* 74: 125-156

•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

•Avramidou EV, Ganopoulos IV, Doulis AG, Tsaftaris AS & FA **Aravanopoulos** 2015. Beyond population genetics: natural epigenetic variation in wild cherry (*Prunus avium*). *Tree Genetics and Genomes* 11: 95 DOI 10.1007/s11295-015-0921-7

•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

•Ratnam W¹, Rajora OP¹, Finkeldey R¹, **Aravanopoulos** FA¹, et al. 2014. Genetic effects of forest management practices: global synthesis and perspectives. *Forest Ecology and Management* 333: 52-65 (¹: equal contributors)

•Ganopoulos I, **Aravanopoulos** FA, Madesis P, Pasentsis K, Bosmali I, Ouzounis C & A Tsaftaris 2013. Taxonomic identification of Mediterranean pines and their hybrids based on the High-Resolution Melting (HRM) and trnL approaches: from cytoplasmic inheritance to timber tracing. *PLoS ONE* 8(4): e60945.doi: 10.1371/journal.pone.0060945.

•**Aravanopoulos** FA 2011. Genetic monitoring in natural perennial plant populations. *Botany* 89: 75-81 <https://doi.org/10.1139/b10-087>