

Curriculum vitae of **Dr GEORGIOS MERKOUROPOULOS**

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Personal Details

Nationality Greek.

Languages Greek (native language), English (fluently).

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Education

Sept 1978 – Jun 1984 High-school / Lyceum, Kavala, Greece.

Sept 1985 – Jun 1989 Degree (BSc) on Plant Production, Technological & Educational Institute (T.E.I.) of Western Macedonia, Branch Florina, Greece.

Sept 1995 – Nov 1996 Master of Science (MSc), University of Wales, Bangor, United Kingdom-
Dissertation title: “Expression patterns of *Brassica napus* extensin genes”.

Jan 1997 – Mar 2001 Doctor of Philosophy (PhD), University of Wales, Bangor, United Kingdom-
Thesis title: “*In vivo* expression patterns of *atExt1*, an *Arabidopsis thaliana* extensin gene”.

Working Experience

Apr 2001 – Feb 2002 Research Associate - Aristotle University, Thessaloniki, Greece.

Mar 2002 – May 2005 Research Associate- Sainsbury Laboratory, Norwich, United Kingdom.

July 2005 – July 2006 Research Associate- Division of Cell Biology, Linkoping University, Sweden.

Nov 2006 – 2016 (On/Off) Research Associate / External Collaborator- Institute of Applied Biosciences (former Institute of Agrobiotechnology), Thessaloniki, Greece.

Feb 2015 – 2016 Research Associate- Institute of Plant Breeding & Genetic Resources / Hellenic Agricultural Organization DIMITRA.

Oct 2017 – Today Researcher- Department of Vitis / Institute of Olive tree, Subtropical Crops and Viticulture / Hellenic Agricultural Organization DIMITRA.

Teaching Experience**Mar 2008 – July 2013**

- 1) Part-time Lecturer at T.E.I. (Technological & Educational Institute) of Thessaloniki, Greece. Module: Agricultural Biotechnology.
- 2) Part-time Lecturer at T.E.I. of Western Macedonia, Greece. Modules: i) Agricultural Biotechnology, ii) Food Biochemistry & Biotechnology, iii) Biology.
- 3) Part-time Lecturer at T.E.I. of Kavala, Greece. Modules: i) Plant Biology, ii) Morphology & Physiology of Grapevine.

Publications in peer reviewed journals

- 1) **Merkoupoulos G**, Barnett DC, Shirsat AH (1999) The *Arabidopsis* extensin gene is developmentally regulated, is induced by wounding, methyl jasmonate, abscisic and salicylic acid, and codes for a protein with unusual motifs.
Planta 208: 212-219. doi: 10.1007/s004250050552
- 2) **Merkoupoulos G**, Shirsat AH (2003) The unusual *Arabidopsis* extensin gene *atExt1* is expressed throughout plant development and is induced by a variety of biotic and abiotic stresses.
Planta 217: 356-366. doi: 10.1007/s00425-003-1002-y
- 3) **Merkoupoulos G**, Andreasson E, Hess D, Boller T, and Peck SC (2008) An *Arabidopsis* protein phosphorylated in response to microbial elicitation, AtPHOS32, is a Substrate of MAP Kinases 3 and 6.
Journal of Biological Chemistry 283: 10493-10499. doi: 10.1074/jbc.M800735200
- 4) Kalamaki MS, Alexandrou D, Lazari D, **Merkoupoulos G**, Fotopoulos V, Pateraki I, Aggelis A, Carrillo-López A, Cabetas MJR, Kanellis AK (2009) Over-expression of a tomato N- acetyl-glutamate synthase gene (SINAGS1) in *Arabidopsis thaliana* results in high ornithine levels and increased tolerance in salt and drought stresses.
Journal of Experimental Botany 60: 1859- 1871. doi: 10.1093/jxb/erp072
- 5) Kalamaki MS, **Merkoupoulos G**, Kanellis AK (2009) Can ornithine accumulation modulate abiotic stress tolerance in *Arabidopsis*?
Plant Signaling & Behavior 4, 1099- 1101. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2819526/pdf/psb0411_1099.pdf
- 6) Ganopoulos I*, **Merkoupoulos G***, Pantazis S, Tsipouridis C, Tsaftaris A (September 2010) Assessing molecular and morpho-agronomical diversity and identification of ISSR markers associated with fruit traits in quince (*Cydonia oblonga* M.)
Genetics & Molecular Research 10: 2729- 2746. doi: <http://dx.doi.org/10.4238/2011.November.4.7>
* Equal contribution.
- 7) **Merkoupoulos G**, Shirsat AH (2012) Histochemical map of the ectopic expression of the *Arabidopsis* atExt1 extensin gene in transgenic tobacco.
Genetics & Molecular Research 11: 1830- 1840. doi: <http://dx.doi.org/10.4238/2012.July.19.3>
- 8) Lazaridou M, Kostopoulou P, Karatassiou M, **Merkoupoulos G** (2012) Comparative investigation on physiological responses of field grown alfalfa and tall fescue to water deficit and cutting.
African Journal of Range & Forage Science 29: 147-152.
<http://dx.doi.org/10.2989/10220119.2012.744775>
- 9) Roberts K, **Merkoupoulos G**, Shirsat AH (2013) Identification of promoter regions in the *Arabidopsis thaliana* atExt1 extensin gene controlling late responses to wounding and pathogen attack.
Biologia Plantarum 57: 341-350. doi: 10.1007/s10535-012-0281-1

- 10) **Merkouropoulos G**, Tsaftaris AS (2013) Differential expression of the *Gossypium hirsutum* USP-related genes, GhUSP1 and GhUSP2, during development and upon salt stress.
Plant Molecular Biology Reporter 31: 1539-1547. doi 10.1007/s11105-013-0630-z
- 11) **Merkouropoulos G**, Michailidou S, Alifragkis A, Argiriou A, Zioziou E, Koundouras S, Nikolaou N (2015) A combined approach involving ampelographic description, berry oenological traits and molecular analysis to study native grapevine varieties of Greece.
Vitis 54 (Special Issue), 99–103. <https://ojs.openagrar.de/index.php/VITIS/article/view/4987>
- 12) **Merkouropoulos G**, Ioannis Ganopoulos, Athanasios Tsaftaris, Ioannis Papadopoulos, Pavlina Drogoudi (2016) Combination of High Resolution Melting (HRM) analysis and SSR molecular markers speeds up plum genotyping: case study genotyping the Greek plum GeneBank collection.
Plant Genetic Resources 15: 366-375. doi:10.1017/S1479262116000022
- 13) **Merkouropoulos G**, Kapazoglou A, Drosou V, Jakobs E, Krozlig A, Papadopoulos C, Bs, Hilioti Z (2016) Dwarf hybrids of *Ricinus communis* suitable for mechanized harvesting reveal differences in morpho-physiological characteristics and seed metabolic profiles.
Euphytica 210: 207-219. doi:10.1007/s10681-016-1702-6
- 14) **Merkouropoulos G**, Ganopoulos I, Mylona F, Doulis A, Nikolaou N. (2016) High Resolution Melting (HRM) analysis on *VviDXS* to reveal muscats or non-muscats among autochthonous Greek wine producing grape varieties.
OENO-One 50: 161-167. doi: <http://dx.doi.org/10.20870/oeno-one.2016.50.3.1571>
- 15) **Merkouropoulos G**, Hilioti Z, Abraham EM, Lazaridou M (2016) Evaluation of *Lotus corniculatus* L. accessions from different locations at different altitudes reveals phenotypic and genetic diversity.
Grass & Forage Science. doi: 10.1111/gfs.12279
- 16) Drosou V, Kapazoglou A, Koidou V, **Merkouropoulos G**, Hilioti Z (2018) Characterization of cytosine-5 DNA methyltransferase and DNA demethylase gene families in *Ricinus communis*.
Plant Growth Regul. doi: 10.1007/s10725-017-0323-y
- 17) **Merkouropoulos G**, Mylona P (2018) Assessment of genetic diversity in *Vitis vinifera* local cultivars of Northern Greece as a means for valorization of vine and wine territories.
Territoires du vin, 8. doi: <http://preo.u-bourgogne.fr/territoiresduvin/index.php?id=1357>
- 18) Miliordos DE, **Merkouropoulos G**, Korgou C, Arseniou S, Proxenia N, Hatzopoulos P, Kotseridis Y (2021) Explore the rare – Molecular identification and wine evaluation of the two autochthonous Greek varieties: “Karnachalades” and “Bogialamades”.
Plants 2021, 10(8), 1556. <https://doi.org/10.3390/plants10081556>

Conference Full papers

- 1) **Merkoupoulos G**, Greveniotis V, Zotis S, Tsaftaris AS (2013) Molecular characterization of the barley population “Zotis”. Proceedings of the 14th Panhellenic Conference of the Hellenic Scientific Society for Genetics and Plant Breeding (in Greek)
http://www.plantbreeding.gr/14o-%CF%83%CF%85%CE%BD%CE%AD%CE%B4%CF%81%CE%B9%CE%BF-%CE%B8%CE%B5%CF%83%CF%83%CE%B1%CE%BB%CE%BF%CE%BD%CE%AF%CE%BA%CE%B7,14o_PROCEEDINGS.PDF (page 131)
- 2) **Merkoupoulos G**, E Batianis (2013) Vitis Biodiversity in Western Macedonia. Proceedings of the 3rd International Symposium, Trends in world Vitiviniculture development, Santorini, 30-31 May 2013.
http://ampelos2013.conferences.gr/fileadmin/ampelos2013/Papers/AMPELOS_2013_Merkoupoulos.pdf
- 3) **Merkoupoulos G**, Ganopoulos I, Argiriou A, Zioziou E, Koundouras S, Nikolaou N (2013) Ampelographic description, berry oenological traits, and molecular characterisation of grapevine varieties grown in northern Greece. Proceedings of the 3rd International Symposium, Trends in world Vitiviniculture development, Santorini, 30-31 May 2013.
http://ampelos2013.conferences.gr/fileadmin/ampelos2013/Papers/Ampelos_2013_Nikolaou.pdf
- 4) **Merkoupoulos G**, Drosou V, Kapazoglou A, Hilioti Z, (2014) Temperature requirements on Ricinus communis seed germination. 37th Conference of the Hellenic Society of Biological Sciences, Volos 17-20 May.
- 5) **Merkoupoulos G**, Hilioti Z, Abraham E, LazaridouM (2015) Holistic study of the drought adaptation mechanisms of physical populations of Lotus corniculatus: the molecular approach. 15th Panhellenic Conference of the Hellenic Scientific Society for Genetics and Plant Breeding, Larisa, Greece. (In Greek).
http://www.plantbreeding.gr/15%CE%BF-%CF%83%CF%85%CE%BD%CE%AD%CE%B4%CF%81%CE%B9%CE%BF-%CE%BB%CE%AC%CF%81%CE%B9%CF%83%CE%B1,15o_PROCEEDINGS.PDF (page 151)
- 6) **Merkoupoulos G**, Mpatianis E, Mylona F (2016) Genotyping of local grapevine varieties from western Macedonia. 16th Panhellenic Conference of the Hellenic Scientific Society for Genetics and Plant Breeding, Florina, Greece. (In Greek).
<http://www.plantbreeding.gr/16%CE%BF-%CF%83%CF%85%CE%BD%CE%B5%CE%B4%CF%81%CE%B9%CE%BF-%CE%B5.%CE%B5.%CE%B5.%CE%B3.%CE%B2.%CF%86> (page 109)
- 7) **Merkoupoulos G**, Miliordos D-E, Hatzopoulos P, Kotseridis G (2018) Molecular and oenological evaluation of grapevine varieties from Monemvasia: the birth place of Malvasia wines. Sardinia, September.
[doi: 10.13140/RG.2.2.32025.36960](https://doi.org/10.13140/RG.2.2.32025.36960)
- 8) Zamanidis P, Paskhalidis CD, Sergeyevna, Tsamurliev OG, Kapazoglou, **Merkoupoulos G**, Taskos DG (2018) Krym – A new resistant white berry table grape cultivar. Yalta, October.
 No 4(106), page 29 - НИИ Магараж, http://magarach-institut.ru › zhurnal_4_18.indd_.pdf
- 9) **Merkoupoulos G**, Miliordos D-E, Hatzopoulos P, Kotseridis G (2018) Searching for unknown Greek indigenous grapevine varieties from Peloponnese- Initial results. Yalta, October. (in Russian, Abstract in English)
 No 4(106), page 51 - НИИ Магараж, http://magarach-institut.ru › zhurnal_4_18.indd_.pdf

PERSONAL INFORMATION

Dragoslav Ivanišević



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Sex M | Date of birth 12.01.1981.. | Nationality Serbian

WORK EXPERIENCE

January 2007 - present

Associate professor

Faculty of Agriculture, University of Novi Sad, Serbia

- Courses: Viticulture, Ampelography and selection, Grape varieties, Organic agriculture

EDUCATION AND TRAINING

2012 Ph.D. in Viticulture

University of Novi Sad, Faculty of agriculture, Serbia

Thesis: "Selection of grape wine varieties for organic grape production"

2005-2008 M.Sc. in Viticulture

University of Novi Sad, Faculty of agriculture, Serbia

- Thesis: "Clone selection of the grape wine variety italian riesling"

2000-2005 B.Sc. *Fruitgrowing and viticulture**University of Novi Sad, Faculty of agriculture, Serbia*

Study advanced training

2010. Enviroment protection in agriculture. Suzhou University of Science and Technology, Suzhou, China

.2013. Modern technologies in grape breeding, University of Udine, Udine, Italy

Professional interests

- Viticulture
- Grape breeding
- Grape varieties
- Vineyard design
- Viticulture zoning

MAJOR PUBLICATIONS

(some chosen papers and publications from 171 presented or/and published)	• Serena Foria, Gabriele Magris, Irena Jurman, Rachel Schwope, Massimo De Candido, Elisa De Luca, Dragoslav Ivanišević, Michele Morgante, Gabriele Di Gaspero: Extent of wild-to-crop interspecific 1 introgression in grapevine (<i>Vitis vinifera</i>) as a 2 consequence of resistance breeding and implications for the crop species definition, <i>Horticulture Research</i> 2022, volume 9. • Dragoslav Ivanišević, Mladen Kalajdžić, Mato Drenjančević, Vladimir Puškaš and Nada Korać: The impact of cluster thinning and leaf removal timing on the grape quality and concentration of monomeric anthocyanins in Cabernet-Sauvignon and Probus (<i>Vitis vinifera</i> L.) wines, <i>OENO One</i> 2020, 1, 63-74 • Dragoslav Ivanišević, Mladen Kalajdžić, Gabriele Di Gaspero, Mato Drenjančević, Nada Korać, Florian Schwander, Ulrike Braun, Goran Barać, Serena Foria: Genetic, morphological and chemical characterisation of the grape variety 'Probus' (<i>Vitis vinifera</i> L.). <i>Genetika</i> Vol. 51, broj 3(2019), str: 1061-1073 • Ivanišević D., Korac N., Cindric P., Papric D., Kuljancic I., Medic M. (2012): Riesling Italico subclones, <i>Genetika</i>, Vol. 44, No. 2, UDC 575:634, DOI: 10.2298/GENSR1202299/ Original scientific paper, pp. 299 – 306 • Nataša Štajner, Lidija Tomić, Dragoslav Ivanišević, Nada Korać, Tatjana Cvetković-Jovanović, Klime Beleski, Elizabeta Angelova, Vesna Maraš, Branka Javornik (2014): Microsatellite inferred genetic diversity and structure of Western Balkan grapevines (<i>Vitis vinifera</i> L.), <i>Tree Genetics & Genomes</i>, Springer-Verlag Berlin Heidelberg, Vol. 10, issue 1, 10:127. DOI: 10.1007/s11295-013-0670-4, pp. 127-140, Original paper, First Online: 10 October 2013 • Dragoslav Ivanišević, Darko Jakšić, Nada Korać (2015): <i>Viticulture Atlas</i>, Agriculture celsius 2012. Republic Republican Institute of Statistics, Belgrade, Serbia • G. Zdunić, E. Maul, J. E. Eiras Dias, G. MuñozOrganero, F. Carka, E. Maletić, S. Savvides, G. G. Jahnke, Z. A. Nagy, D. Nikolić, D. Ivanišević, K. Beleski, V. Maraš, M. Mugoša, V. Kodzulovic1, T. Radić, K. Hančević, A. Mucalo, K. Lukšić, L. Butorac, L. Maggioni, A. Schneider, T. Schreiber, T. Lacombe (2017): Guiding principles for identification, evaluation and conservation of <i>Vitis vinifera</i> L. subsp. <i>sylvestris</i>, <i>VITIS - Journal of Grapevine Research</i>, Julius Kühn Institute, Vol 56, DOI: 10.5073/vitis.2017.56.127-131, pp 127-131
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Additional information (other activities)

- Director of the Department of fruit science, viticulture, horticulture and landscape architecture, Faculty of Agriculture, University of Novi Sad
- President of the Program Council of the master study for Viticulture and Winemaking, University of Novi Sad
- President of the Assembly of the Centre for Viticulture and Oenology in Niš
- Expert of the European Bank for Reconstruction and development