

CURRICULUM VITAE

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SCIENTIFIC FIELD & RESEARCH INTERESTS

Implementation of Forest Botany in plant species and communities management and conservation.
Inventory of flora and vegetation diversity.
Monitoring and conservation of plant species and habitat types.
Flora and vegetation of key species biotopes.

INDICATIVE RESEARCH PROJECTS DURING THE LAST SIX YEARS

2019-2021. Elaboration of Special Environmental Studies and Management Plans for the Natura 2000 Sites of the Region of Eastern Macedonia and Thrace. Contracting: Omikron SA.
2015-2016. Inventory and description of the aromatic and medical flora of Samothraki island. Contracting: Region of An.Ma.Th.
2015. Monitoring and assessment of the conservation status of Habitats of Community Interest in Greece. Contracting: Auth, Oikom Environmental Consulting Ltd.
2015. Vegetation sampling in northeastern and central Greece for mapping habitat types inside sites of Natura 2000 network. Contracting: Auth, Oikom Environmental Consulting Ltd.
2013-2015. Thalys - University of Ioannina. Nature conservation through religion. The sacred forests of Ipirus. Contracting: University of Ioannina.

COURSES

Undergraduate

General Botany - Morphology
Forest Botany I & II
Systematic Botany
Plant Sociology
Geobotany
Ornamental trees & shrubs

Postgraduate

Ecosystem services
Biodiversity preservation and conservation

SELECTED PUBLICATIONS

Publications in Scientific Journals

Pappas C.H., Xagoraris M., Kimbaris A., **Korakis G.** Tarantilis P.A., 2020. "Chemometric-infrared spectroscopic model for the taxonomy of medicinal herbs - the case of perennial Sideritis species". "Biomedical Journal of Scientific & Technical Research". Volume 32, 1, pp 24707-24712. DOI: 10.26717/BJSTR.2020.32.005199.

- Chrysafis I., **Korakis G.**, Kyriazopoulos A. P., Mallinis G. 2020. Predicting Tree Species Diversity Using Geodiversity and Sentinel-2 Multi-Seasonal Spectral Information. *Sustainability* 2020, 12(21), 9250; <https://doi.org/10.3390/su12219250>.
- Chrysafis I., **Korakis G.**, Kyriazopoulos A. P., Mallinis G. 2020. Retrieval of leaf area index using Sentinel-2 imagery in a mixed Mediterranean forest area *ISPRS Int. J. Geo-Inf.* 2020, 9(11), 622; doi.org/10.3390/ijgi9110622.
- Mallinis G, Chrysafis I., **Korakis G.**, Pana E., Kyriazopoulos A. 2020. A Random Forest Modelling Procedure for a Multi-Sensor Assessment of Tree Species Diversity. *Remote Sens.* 2020, 12, 1210; [doi: 10.3390/rs12071210](https://doi.org/10.3390/rs12071210).
- Avtzis D.N., Stara K., Sgardeli A., Betsis S., Diamandis S., Healey J.R., Kapsalis E., Kati V., **Korakis G.**, Marini Govigli V., Monokrousos N., Muggia L., Nitsiakos V., Papadatou E., Papaioannou H., Rohrer A., Tsiakiris R., Van Houtan K.S., Vokou D., Wong J.L.G., Halley J.M. 2018. Quantifying the conservation value of Sacred Natural Sites. *Biological Conservation* Vol. 222 : 95-103.
- Lempesi A., Eleftheriadou A., Delivasi Z., Psyllidou A., **Korakis G.**, Kyriazopoulos A.P. 2017. Effects of Grazing Intensity on the Regeneration of Woody Species in an Oak Woodland. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca.* 45 (2): 597-601.
- Manousidis, T., Kyriazopoulos, A.P., Parissi, Z.M., Abraham, E.M., **Korakis G.**, Abas Z. 2016. Grazing behavior, forage selection and diet composition of goats in a Mediterranean woody rangeland. *Small Ruminant Research.* Vol 145, 142-153.
- Papageorgiou, AC., Kostoudi, C., Sorotos, I., Varsamis, G., **Korakis, G.**, Drouzas, A. 2015. Diversity in needle morphology and genetic markers in a marginal *Abies cephalonica* (Pinaceae) population. *Annals of Forest Research.* 58 (2): 217-234.
- Hormova E., Kyriazopoulos A.P., Parissi Z.M., **Korakis G.**, Abraham E.M. 2014. Nutritive value of *Paliurus spina-christi* and herbaceous vegetation in Mediterranean shrublands of central and northern Greece. *Options Méditerranéennes, Series A, No. 109* : 163-166.
- Abraham E.M., Parissi Z.M., Kyriazopoulos A.P., **Korakis G.**, Papaioannou P. 2014. Wildfire effects on species composition and nutritive value in different thermo-Mediterranean vegetation types. *Options Méditerranéennes, Series A, No. 109* : 479-482.
- Lempesi A., Kyriazopoulos A.P., Orfanoudakis M., **Korakis G.** 2013. Soil properties and plant community changes along a goat grazing intensity gradient in an open canopy oak forest. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca.* 41 (2): 567-575.
- Kyriazopoulos A.P., Abraham E.M., Parissi Z.M., **Korakis G.**, Manousidis K. Chrisovelidou K. Papanaretou K. 2012. Effects of juniper encroachment on herbage production and biodiversity in a natural grassland: Preliminary results. *Options Méditerranéennes, Series A, No. 102* : 299-302.
- Kyriazopoulos A.P., Abraham E.M., Parissi Z.M., **Korakis G.**, Abas Z. 2010. Floristic diversity of an open coppice oak forest as affected by grazing. *Options Méditerranéennes, Series A, No. 92* : 247-250.
- Kati V., Poirazidis K., Dufrene M., Halley J., **Korakis G.**, Schindler S., Dimopoulos P. 2010. Towards the use of ecological heterogeneity to design reserve networks: a case study from Dadia National Park, Greece. *Biodiversity and Conservation* 19:1585–1597.
- Gerasimidis A., **Korakis G.** 2009. Contribution to the study of the flora of Mount Mitsikeli, NW Greece. *Flora Mediterranea.* 19: 161-184.
- Gerasimidis A., Panajiotidis S., Fotiadis G., **Korakis G.** 2009. Review of the Late Quaternary vegetation history of Epirus (NW Greece). *Phytologia Balcanica* 15(1): 29-37.
- Korakis, G.**, Gerasimidis, A. 2006. Coastal and halophytic habitats and their flora in Evrotas Delta (SE Peloponnisos, Greece). *Journal of Biological Research.* Vol. 6: 155-166.
- Korakis, G.**, Gerasimidis, A., Poirazidis, K., Kati, V. 2006. Floristic records from Dadia Lefkimi-Soufli National Park, NE Greece. *Flora Mediterranea.* 16: 11-32.
- Kanellopoulos, N, Mertzanis, G., **Korakis, G.**, Panagiotopoulou, M. 2006. Selective habitat use by brown bear (*Ursus arctos* L.) in northern Pindos, Greece. *Journal of Biological Research.* Vol. 5: 23-33.

Scientific Books and Book Chapters

Korakis G. 2019. Forest Botany. Trees and shrubs native in Greece. Thessaloniki. Athanasiou Altintzi Editions, pp. 520. ISBN 978-960-9465-36-6.

Korakis G. 2016. Forest Botany. Indigenous Trees and Shrubs of Greece. [e-book] Athens: Hellenic Academic Libraries Link. Pages 620. ISBN 978-960-603-282-0. Downloadable in: <http://hdl.handle.net/11419/742>. (in Greek)

Korakis G. 2012. Flora and vegetation of forests in Greece. Pp. 25-41. In: Papageorgiou A.C. Karetzos G. and Katsadorakis G. (eds). The forest. An integrated approach. WWF Greece, Athens. ISBN 978-960-7506-28-3. (in Greek)

Korakis G., Gerasimidis A., Kati V. 2010. The flora. In: Catsadorakis, G. and Källander, H. (eds). The Dadia–Lefkimi–Soufli Forest National Park, Greece: Biodiversity, Management and Conservation. WWF Greece, Athens, pp. 63-83. ISBN 978-960-7506-10-8.

Korakis G., Gerasimidis A. 2010. Vegetation and habitat types. In: Catsadorakis, G. and Källander, H. (eds). The Dadia–Lefkimi–Soufli Forest National Park, Greece: Biodiversity, Management and Conservation. WWF Greece, Athens, pp. 85-93. ISBN 978-960-7506-10-8.

Mertzanis G., **Korakis G.,** Tsiokanos K., Aravidis I. 2009. Expansion of brown bear range in the course of rural abandonment during the 20th century - a case study from the Pindos mountain range. Pp 330-337 in: "Woodland Cultures in Time and Space - Tales from the past, messages for the future". (Saratsi E., Burgi Mat., Johann El., Kirby K., Moreno D., Watkins Ch.eds.); Embryo Publ. 2009, 400 pp. ISBN 978-960-8002-53-1

Chanlidou E., Karousou R., Minoglou D., **Korakis G.** 2001. Plants of Taygetos. Publication of the Region of Peloponnisos - Ecotopia. Pp. 345. (in Greek)