



PharmaGnose researchers participate in a large number of publications in established peer-reviewed scientific journals:

1. Christina Koutra, Stavros Beteinakis, Eleni V. Mikropoulou, Paul M. Jordan, Mattes Baumann, Oliver Werz, Ioannis K. Kostakis, Panagiotis Stathopoulos, Alexios-Leandros Skaltsounis. 2'-Hydroxyoleacein from *Olea europaea*: Isolation, synthesis and anti-inflammatory evaluation. **Phytochemistry** 2026; **249**: 114944; <https://doi.org/10.1016/j.phytochem.2026.114944>.
2. Gabriela Belén Lemus Ringele, PetrosGkiouvetidis, Dimitris Michailidis, Elodie Bossard, LorèneGourguillon, Stavros Beteinakis, Leandros A. Skaltsounis Maria Halabalaki. Annular centrifugal extraction for the recovery of non-sugar compounds from honey. **Scientific Reports** 2025; **16** (1697); <https://doi.org/10.1038/s41598-025-31250-4>.
3. Evangelos Kalampokis, Theodora Nikou, Efthymia Panteli, Dimitris Michailidis, Emmanouil Trantas, Filippus Ververidis, Maria Halabalaki. Streamlined isolation of *E. coli* biofactory metabolites using centrifugal extraction and partition chromatographic techniques. New hydroxytyrosol derivatives. **Journal of Chromatography A**; 2025; **1757** (466103); <https://doi.org/10.1016/j.chroma.2025>.
4. Stavros Beteinakis, Eleni V. Mikropoulou, Dimitris Michailidis, Apostolis Angelis, Martina Haack, Marion Ringel, Thomas Brück, Dieter W. Brück, Jean-Hugues Renault, Alexios-Leandros Skaltsounis, Pedro Lameiras, Maria Halabalaki. Unlocking the Potential of Water-Insoluble Natural Polymers: Isolation, Characterization, and 2D NMR Quantification of *cis*-1,4-Poly- β -myrcene in Chios Mastic Gum. **Journal of Natural Products**; 2025; **88**(8); 1879-1886; <https://doi.org/10.1021/acs.jnatprod.5c00256>.
5. Harris Pratsinis, Despoina D. Gianniou, Gabriela Belén Lemus Ringele, Adamantia Agalou, Asimina Fotopoulou, Xanthippi P. Louka, Christos Nastos, Eleftherios Kalpoutzakis, Aikaterini Argyropoulou, Dimitris Michailidis, Antonia Theodoridi, Ioanna Eleftheriadou, Adamantia Papadopoulou, Sentiljana Gumeni, Stavros Beteinakis, Konstantina Karamanou, Eleni Mavrogonatou, Georgios Stavropoulos, Dimitris Beis, Maria Halabalaki, Ioannis P. Trougakov, Dimitris Kletsas. Screening of

a Plant Extract Library from the Greek Flora for Biological Activities Related to Anti-Aging Applications. **Antioxidants**; 2025, 14(7), 824; <https://doi.org/10.3390/antiox14070824>.

6. Lemonia Antoniadi, Apostolis Angelis, Theodora Nikou, Dimitris Michailidis, Leandros A. Skaltsounis. Rapid and Effective Recovery of Oleanolic and Maslinic Acids from Olive Leaves Using SFE and pH-Zone Centrifugal Partition Chromatography. **Molecules**; 2025, 30(13), 2709; <https://doi.org/10.3390/molecules30132709>.
7. Panagiota Stamou, Eleni V. Mikropoulou, Maria Chalkiadaki, Aikaterini Basdeki, Lemonia Antoniadi, Stéphane Poigny, Maria Halabalaki. Revealing the potential of Chios Mastic Gum and its constituents for cosmetic applications through chemical profiling and biological evaluation. **Cosmetics** 2024; 11(5), 155; <https://doi.org/10.3390/cosmetics11050155>.
8. Georgios Stavropoulos, Eleftherios Karapatzak, Aikaterini Argyropoulou, Evangelos Vassalos, Ioanna Kakabouki, Leandros-Alexios Skaltsounis, Panayiota Papastylianou. Sustainable experimental cultivation of the Greek endemic *Helichrysum amorginum* Boiss. and Orph.: Assessment of the total phenolic content at different flower harvest stages. **Notulae Botanicae Horti Agrobotanici Cluj-Napoca** 2024; 52(3), 13943; <https://doi.org/10.15835/nbha52313943>.
9. Electra Papadopoulou, Dimitrios Moutousidis, Sotirios Kountouras, Aikaterini Argyropoulou, Panagiotis Stathopoulos, Alexios Leandros Skaltsounis, Rafail O. Ioannidis, Eleftheria Xanthopoulou, Lamprini Malletzidou, Konstantinos Chrissafis. New Bio-Based Binding Systems for Plywood Panels. **Applied Sciences** 2024; 14(13), 5862; <https://doi.org/10.3390/app14135862>.
10. Maria Markou, Antonia Katsouda, Varvara Papaioannou, Aikaterini Argyropoulou, Marianna Vanioti, Constantin Tamvakopoulos, Leandros A. Skaltsounis, Maria Halabalaki, Sofia Mitakou, Andreas Papapetropoulos. Anti-obesity effects of Beta vulgaris and Eruca sativa-based extracts. **Phytotherapy Research** 2024; 1-17. <https://doi.org/10.1002/ptr.8291>.
11. Maria Kourti, Maria V. Alvanou, Zoi Skaperda, Fotis Tekos, Georgios Papaefstathiou, Panagiotis Stathopoulos, Demetrios Kouretas. Antioxidant and DNA-Protective Activity of an Extract Originated from Kalamon Olives Debittering. **Antioxidants** 2023; 12(2), 333; <https://doi.org/10.3390/antiox12020333>.
12. Paraskevi Karousi, Christos K. Kontos, Panagiota Papakotsi, Ioannis K. Kostakis, Alexios-Leandros Skaltsounis, Andreas Scorilas. Next-generation sequencing reveals altered gene expression and enriched pathways in triple-negative breast cancer cells treated with oleuropein and oleocanthal. Functional & Integrative **Genomics** 2023; 23; <https://doi.org/10.1007/s10142-023-01230-w>.

13. Mohan Ghorasaini, Konstantina Ismini Tsezou, Aswin Verhoeven, Yassene Mohammed, Panayiotis Vlachoyiannopoulos, Emmanuel Mikros, Martin Giera. Congruence and Complementarity of Differential Mobility Spectrometry and NMR Spectroscopy for Plasma Lipidomics. **Metabolites** 2022; **12**(11), 1030; <https://doi.org/10.3390/metabo12111030>.
14. Lemonia Antoniadi, Apostolis Angelis, Panagiotis Stathopoulos, Eirini-Maria Bata, Zoe Papoutsaki, Maria Halabalaki, Leandros A. Skaltsounis. Oxidized Forms of Olive Oil Secoiridoids: Semisynthesis, Identification and Correlation with Quality Parameters. **Planta Med** 2022; **88**(09/10), 805-813; <https://doi.org/10.1055/a-1806-7815>.
15. Vasiliki K. Pachi, Eleni V. Mikropoulou, Sofia Dimou, Mariangela Dionysopoulou, Aikaterini Argyropoulou, George Dhallinas, Maria Halabalaki. Chemical Profiling of *Pistacia lentiscus* var. *Chia* Resin and Essential Oil: Ageing Markers and Antimicrobial Activity. **Processes** 2021; **9**(3), 418; <https://doi.org/10.3390/pr9030418>.
16. Apostolis Angelis, Panagiotis Mavrosa, Panagiota Efstathia Nikolaou, Sofia Mitakou, Maria Halabalaki, Leandros Skaltsounis. Phytochemical analysis of olive flowers' hydroalcoholic extract and *in vitro* evaluation of tyrosinase, elastase and collagenase inhibition activity. **Fitoterapia**, 2020; 143; <https://doi.org/10.1016/j.fitote.2020.104602>.
17. Lamprini Karygianni, Manuel Cecere, Aikaterini Argyropoulou, Elmar Hellwig, Alexios Leandros Skaltsounis, Annette Wittmer, Jörg Philipp Tchorz, Ali Al-Ahmad. Compounds from *Olea europaea* and *Pistacia lentiscus* inhibit oral microbial growth. **BMC Complementary and Alternative Medicine** 2019; **19**(51), 2461; <https://doi.org/10.1186/s12906-019-2461-4>.
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20. Alexandros Priftis, Dimitra Mitsiou, Maria Halabalaki, Georgia Ntasi, Dimitrios Stagos, Leandros A Skaltsounis, Demetrios Kouretas. Roasting has a distinct effect on the antimutagenic activity of coffee varieties. **Mutation Research - Genetic Toxicology and Environmental Mutagenesis** 2018; **829-830**, 33-42; <https://doi.org/10.1016/j.mrgentox.2018.03.003>.

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24. Alik Papadopoulou, Konstantinos Petrotos, Dimitrios Stagos, Konstantinos Gerasopoulos, Antonios Maimaris, Haralampos Makris, Ioannis Kafantaris, Sotiria Makri, Efthalia Kerasioti, Maria Halabalaki, Vincent Brieudes, Georgia Ntasi, Stylianos Kokkas, Pavlos Tzimas, Panagiotis Goulas, Alexander M. Zakharenko, Kirill S. Golokhvast, Aristidis Tsatsakis, and Demetrios Kouretas. Enhancement of Antioxidant Mechanisms and Reduction of Oxidative Stress in Chickens after the Administration of Drinking Water Enriched with Polyphenolic Powder from Olive Mill Waste Waters. **Oxidative Medicine and Cellular Longevity** 2017; **2017**(1); <https://doi.org/10.1155/2017/8273160>.

25. Vassilios Myrianthopoulos, Pierre Francois Cartron, Zita Liutkeviciut, Saulius Klimasauskas, Daumantas Matulis, Christian Bronner, Nadine Martinet Emmanuel Mikros. Tandem virtual screening targeting the SRA domain of UHRF1 identifies a novel chemical tool modulating DNA methylation. **European Journal of Medicinal Chemistry** 2016; **114**, 390-396; <http://dx.doi.org/10.1016/j.ejmech.2016.02.043>.