

ELENI SAKANTANI
Special Technical Laboratory Staff member
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CURRENT EMPLOYMENT

2008-present: Special Technical Laboratory Staff member, Dept. of Food Science and Technology, Ionian University, Kefalonia, Greece

EDUCATION

Technological Educational Institute of Mesolongi, Greece: B.Sc. in Technology of Horticultural and Greenhouse Crops, 2000.

WORK EXPERIENCE

Professional Experience

2000 - 2008: Union of Agricultural Cooperatives of Kefalonia & Ithaca – Responsibilities: Managing the Department of Agricultural Supplies, Pesticides and Fertilizers. Advisor for the diagnosis and treatment of diseases and pests of various crops (olives, vineyards, horticultural and floricultural plants). Responsible for the quality control of olive oil (chemical analysis), within the framework of its program of concentration by the producers of our island and its promotion in the domestic market. Responsible for qualitative examination (using a spectrophotometer) and chemical analysis (acidity, peroxide content, etc.) of olive oil. Participating in the compilation and submission of farmers applications in the framework of the program of the Ministry of Rural Development for their financial support.

Teaching Experience

2002-2013: Lab Assistant, Department of Organic Farming and Food Technology, TEI of Ionian Islands (Courses: Computer Lab, Phytopathology, Zoology, Senior Seminar, Viticulture, Organic Farming, Organic Pomology, Plant Physiology, Soil Science.

2017-2018: Lab Assistant Professor, Department of Food Technology, TEI of Ionian Islands (Courses: "Technology & Quality Control of Meat", "Technology & Quality Control of Milk" and "Development of New Food Products")

2018-present: Lab Assistant Professor, Dept. of Food Science and Technology, Ionian University (Courses: "Technology & Quality Control of Meat" and "Development of New Food Products")

Participation in Research Projects

1. 2011-2014: EU Operational Program “Education and Lifelong Learning” of the National Strategic Reference Framework for 2007–2013 (MIS 352400). Participation as laboratory assistant in the work packages (actions):
 - (i) Antimicrobial and Antioxidant Action of the Essential Oils of Native to Ionian Islands Herbs and their Utilization in Food and Drug Technology" (2011-2012)
 - (ii) Summer School of Organic Farming - Map and classification of arable lands in the plains and hills of Cephalonia (2011-2013)

- (iii) Database for the environmental wealth and the development of the tourist products of the Ionian Islands (2011-2013)
 - (iv) Educational actions to develop, promote and certify the quality of local products and services in the Ionian Islands (2012-2013)
 - (v) Educational actions to disseminate the results of standardization-identification of the characteristics of the main wine of the Ionian origin (2012-2013)
2. 2017-2019: IONIAN ISLANDS REGION "Research on the biological value of the products (wine, raisin) and grape by-products from the Ionian Islands" PROJECT: ARGO-NUTRITION, ESPA 2014-20. MIS 5006536 – Research Team Member
 3. 2018-2020: REGION OF IONIAN ISLANDS "Inoculation of local grape varieties on suitable rootstocks, evaluation of their viticultural characteristics and vineyard soil management." PROJECT: AGRO-NUTRITION, ESPA 2014-20, MIS 5007188 - Research Team Member
 4. 2022-2023: REGION OF IONIAN ISLANDS "Recording, Characterization, Evaluation and Conservation of Natural Genetic Resources of RIN in the Context of the National Strategy for Biodiversity: Native Species with Medicinal Value". PROJECT: BIOCONSION NSF 2014-2020, MIS 5033717 – Research Team Member

Scientific Activity

Eriotou, E. , Ch. Roussa, G. Danalatos, **E. Sakadani**, A. Tsolou, C. Analyti and Y. Samaras. (2011). Antimicrobial Activity of Essential Oils on Selected Gram Positive and Negative Bacteria. Accepted for Presentation at NZMS, Palmerston North, New Zealand.

Samaras Y, I. Kokosi, N. Anastasiou, C. Bolis, A. Mourelatou, A. Tsolou, **E. Sakadani**, E. Eriotou, 2011. Use of Laurel Essential Oil Against Post-Harvest Spoilage Fungi 1; In the proceedings of: 4th Congress of FEMS

Samaras Y, D. Koulougliotis, A. Amitsi, **E. Sakadani**, I. Riga, E. Makaria, C. Roussa, E. Eriotou, (2012) Basil, Peppermint and Garden Mint: Antimicrobial and Antioxidant Activity. In the course of: 57th Meeting of the New Zealand Microbiology Society San Francisco, USA;

Eriotou E, D. Koulougliotis, A. Tsolou, **E. Sakadani**, I. Kokosi, A. Amitsi, C. Roussa, Y. Samaras. (2012) 06/2012 Seasonal Variation of Antimicrobial Activity of Thyme Essential Oil on *Listeria monocytogenes* and *Staphylococcus* sp. 112th Meeting of the American Society for Microbiology, San Francisco, USA

Samaras Y, D. Koulougliotis, E. Makaria, L. Shahini, A. Tsola, **E. Sakadani**, E. Eriotou (2012) Antimicrobial and Antioxidant Activity *Pelargonium odoratissimum* Essential Oil exhibits seasonal variation. 112th Meeting of the American Society for Microbiology, San Francisco, USA; 06/2012

Samaras Y., D. Koulougliotis, A. Amitsi, **E. Sakadani**, I. Riga, C. Roussa, E. Makariadou, K. Mastrokostopoulos, E. Eriotou. (2013) Isolation, Identification and Tolerance to Alcohol and Sulfite of Yeasts of Kefalonian Mavrodafni Must Solids. 5th Congress of FEMS, Leipzig, Germany.

Eriotou E, D. Koulougliotis, A. Amitsi, **E. Sakadani**, I. Riga, C. Roussa, E. Makaria, L. Sahini, Y. Samaras. (2013) Influence of Protein Type on Essential Oil Antistaphylococcal Activity in Milk. 5th Congress of FEMS, Leipzig, Germany.

Samaras Y., D. Koulougliotis, A. Amitsi, **E. Sakadani**, I. Riga, C. Roussa, E. Makariadou, K. Mastrokostopoulos, E. Eriotou. (2013). Antimicrobial Activity of Basil, Peppermint and Garden Mint. 5th Congress of FEMS, Leipzig, Germany.

G. Tsasi, **E. Sakadani**, T. Mailis, Y. Samaras. (2015) Essential oils of *Ocimum basilicum* L. varieties as a source of natural antioxidants. Chemical analysis & antioxidant activity. PRECONFERENCE WORKSHOP ON FOOD TECHNOLOGY 2015 CONFERENCE - Innovation and Safety of Food and Beverages, At the Congress Center of Technological Educational Institute of Athens Greece

Milla, S. A. Sklavounos, **E. Sakadani**, P. Razis and I. Samaras (2015). Smelling action of essential oils of Mediterranean plants against *Sitophilus oryzae* (Coleoptera: Curculionidae) Presentation at the International Insectological Congress, Crete 9/2015

G. Tsasi, M. Sokovic, A. Ciric, E. Eriotou, **E. Sakadani**, Y. Samaras, H. Skaltsa (2016) Antifungal Compounds Isolated from *Smyrniium olusatrum* L. Essential Oil, Growing Wild in Cephalonia, Greece. Chemical Analysis and Structure Elucidation Records of Natural Products 10 (1): 1-2016 ·January 2016

Tsasi, G., Sokovic, M., Ciric, A., Eriotou, E., **Sakadani, E.**, Samaras, Y., & Skaltsa, H. (2016). Antifungal compounds isolated from *Smyrniium olusatrum* L. essential oil, growing wild in Cephalonia, Greece. Chemical analysis and structure elucidation. Records of Natural Products, 10(1), 93-102. http://www.acgpubs.org/doc/2018080518024211-RNP-EO_1305-041.pdf

Tsasi, G., Mailis, T., Daskalaki, A., **Sakadani, E.**, Razis, P., Samaras, Y., & Skaltsa, H. (2017). The effect of harvesting on the composition of essential oils from five varieties of *Ocimum basilicum* L. cultivated in the Island of Kefalonia, Greece. Plants, 6(3), 41. <https://doi.org/10.3390/plants6030041>

Fragopoulou E, O. Arvaniti, G. Danalatos, M. Detopoulou, E. Kallinikou, S. Milla, F. Petsini, **E. Sakantani**, A. Tsolou, Y. Samaras (2018). "Study for the existence of PAF inhibitors in wines from Ionian Islands" Bioactive lipids: From Chemistry to Biology and Medicine, Athens, Greece

Fragopoulou E., M. Choleva, M. Detopoulou, F. Petsini, O. Arvaniti, E. Kallinikou, **E. Sakantani**, A. Tsolou, Y. Samaras (2018). "Anti-platelet and anti-inflammatory properties of wines from Ionian Islands" 30th International Symposium on the Chemistry of Natural Products and the 10th International Congress on Biodiversity (ISCNP30 & ICOB10), Athens, Greece

Fragopoulou E., M. Choleva, M. Detopoulou, F. Petsini, O. Arvaniti, E. Kallinikou, **E. Sakantani**, A. Tsolou, Y. Samaras (2018). "Effect of wine extracts on cytokine secretion by PBMC of healthy volunteers" 8th Panhellenic Congress of the Hellenic Society of Atherosclerosis, Athens

Choleva M., M. Detopoulou, F. Petsini, O. Arvaniti, E. Kallinikou, A. Tsolou, **E. Sakantani**, Y. Samaras, E. Fragopoulou (2018). "Effect of wine extracts from the Ionian region on platelet aggregation" 8th Panhellenic Congress of the Hellenic Society of Atherosclerosis, Athens

Fragopoulou, E., Petsini, F., Choleva, M., Detopoulou, M., Arvaniti, O., Kallinikou, E., **Sakantani, E.**, Tsolou, A., Nomikos, T., Samaras, Y. (2020). Evaluation of anti-inflammatory, anti-platelet and anti-oxidant activity of wine extracts prepared from ten different grape varieties. Molecules, 25, 5054. <https://doi.org/10.3390/molecules25215054>

Tsasi, G., Danalatos, G., Tomou, E. M., **Sakadani, E.**, Bethanis, M., Kolokouris, A., ... & Skaltsa, H. (2022). Chemical composition and antimicrobial activity of the essential oil of *Abies cephalonica* Loudon from Mount Ainos (Kefalonia, Greece). Journal of Essential Oil Research, 34(2), 143-147. <https://doi.org/10.1080/10412905.2022.2032421>

Arvaniti, O. S., Tsolou, A., **Sakantani, E.**, Milla, S., Kallinikou, E., Petsini, F., Choleva, M., Detopoulou, M., Fragopoulou, E., Samaras, Y. (2022). Quality characteristics, polyphenol profile and antioxidant capacity in red, rosé and white monovarietal wines from Ionian Islands of Greece. Acta Sci. Pol. Technol. Aliment., 21(4), 343–357. <http://dx.doi.org/10.17306/J.AFS.2022.1091>