

Stefanos Kikionis



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Assistant Professor

EDUCATION

B.Sc. in Chemistry, School of Chemistry, Aristotle University of Thessaloniki

PhD. School of Chemical Engineering, Department of Chemical Sciences, National Technical University of Athens

TEACHING

Undergraduate courses/labs: Special Courses in Pharmacognosy, Pharmacognosy II Labs, Analytical Chemistry I Labs

Graduate courses: Marine Pharmacognosy and Synthesis of Natural Products, Natural Products from Marine Organisms and their Applications

RESEARCH TOPICS

Isolation and characterization of polysaccharides and natural polymers of marine origin using chromatographic or other methods and spectroscopic / spectrometric methods and/or analysis of their physicochemical properties.

Isolation and structure elucidation of secondary metabolites from marine organisms utilizing chromatographic methods and spectroscopic / spectrometric techniques.

DISTINCTIONS

Associate Editor - Phytochemistry Reviews

Regional representative of the Phytochemical Society of Europe (PSE) for South-East Europe (2023-present)

RECENT PUBLICATIONS

Safarik, I.; Prochazkova, J.; Kikionis, S.; Roussis, V.; Ioannou, E. Development of a textile solid-phase extraction method employing the marine sulfated polysaccharide ulvan for the extraction and analysis of cationic dyes. *Chemosensors* **2025**, *13*, 75.

Statha, D.; Papaioannou, A.; Kikionis, S.; Kostaki, M.; Sfiniadakis, I.; Vitsos, A.; Anastassopoulou, J.; Ioannou, E.; Roussis, V.; Rallis, M.C. Healing potential of the marine polysaccharides carrageenan and ulvan on second-degree burns. *J. Funct. Biomater.* **2024**, *15*, 257.

Kikionis, S.; Iliou, K.; Karra, A.G.; Polychronis, G.; Choinopoulos, I.; Iatrou, H.; Eliades, G.; Kitraki, E.; Tseti, I.; Zinelis, S.; Ioannou, E.; Roussis, V. Development of bi- and tri-Layer nanofibrous membranes based on the sulfated polysaccharide carrageenan for periodontal tissue regeneration. *Mar. Drugs*

2023, 21, 565.

Kikionis, S.; Papakyriakopoulou, P.; Mavrogiorgis, P.; Vasileva, E.A.; Mishchenko, N.P.; Fedoreyev, S.A.; Valsami, G.; Ioannou, E.; Roussis, V. Development of novel pharmaceutical forms of the marine bioactive pigment echinochrome A enabling alternative routes of administration. *Mar. Drugs* **2023**, *21*, 250.

Quémener, M.; Kikionis, S.; Fauchon, M.; Toueix, Y.; Aulanier, F.; Makris, A.M.; Roussis, V.; Ioannou, E.; Hellio, C. Antifouling activity of halogenated compounds derived from the red alga *Sphaerococcus coronopifolius*: Potential for the development of environmentally friendly solutions. *Mar. Drugs* **2022**, *20*, 32.

PATENTS

A pharmaceutical formulation comprising polymeric micro-/nanofibers incorporating echinochrome A. Applicants: NKUA. Inventors: Roussis V., Ioannou E., Kikionis S., Valsami G., Mavrogiorgis P., Papakyriakopoulou P. Publication Number WO2024120750A1 WIPO (PCT) Publication Date 13.06.2024, GR1010730B Publication Date 25.07.2024

Multilayer electrospun micro-/nanofibrous membranes based on marine sulfated polysaccharides for periodontal tissue/bone regeneration". Applicants: UNI-PHARMA KLEON TSETIS PHARMACEUTICAL LABORATORIES SA and NKUA. Inventors: Roussis V., Ioannou E., Kikionis S., Iliou K., Iatrou E., Choinopoulos I., Zinelis S., Eliades G., Kitaki E., Polychronis G., Karra A., Tseti I. Publication Number WO2024194164A1 WIPO (PCT) Publication Date 26.09.24, GR1010702B Publication Date 30.05.2024

CONTACT

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