

## Personal information

First name/Surname: Stefanos Dailianis

Date of birth: 10 May 1977

Place of birth: Trikala, Greece

Street address: Komaithous 23-27, Patra, Greece

Specialty: PhD Biologist

Nationality/citizenship: Greek

University of Patras:

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Google scholar: <https://scholar.google.gr/citations?user=IP4uY4AAAAJ&hl=en>

Research gate: [https://www.researchgate.net/profile/Stefanos\\_Dailianis](https://www.researchgate.net/profile/Stefanos_Dailianis)



**Current position:** Associate Professor (Official Gazette 2062/04.11.2019 vol. C), Unit of Ecotoxicology and Pollution Research (Chief), Section of Animal Biology, Department of Biology, Faculty of Sciences, University of Patras, 25604, Rio, Patra, Greece, tel/Fax: +302610969213, E-mail: [sdailianis@upatras.gr](mailto:sdailianis@upatras.gr)

## Short biography

Stefanos Dailianis graduated in the Department of Biology of the Aristotle University of Thessaloniki, (Greece), where he also obtained his PhD (Animal Physiology and Toxicology). He is Associate Professor at the Department of Biology (School of Natural Sciences, University of Patras) since 2019. His research activity is focused on the investigation of the environmental and human-health effects of human-derived substances, using a battery of biological models and methodologies on different levels of organism function. He has published more than 63 research articles in peer-review international/scientific journals, thus being participated in national and international Conferences and Meetings with more than 110 presentations. He is a member of International Organizations and reviewed more than 330 articles submitted to 64 peer-review international/scientific journals.

## Updated CV

### Education and training

**2005:** Supporting my Dissertation thesis (PhD) and obtain the title of Doctor of the Department of Biology (Faculty of Sciences, Aristotle University of Thessaloniki, Greece) with a grade “excellent”.

**2001:** PhD thesis in the Laboratory of Animal Physiology, Section of Zoology, Department of Biology, Faculty of Sciences, Aristotle University of Thessaloniki, Greece, entitled “Evaluation of biochemical parameters and signal transduction pathways induced in tissues of mussel *Mytilus galloprovincialis* (Imc.), after exposure to environmental pollutants. Establishment of a new biomarker of environmental pollution”, under the supervision of Professor Kaloyianni Martha.

**1996-2000:** Bachelor in Biology, with a grade “6.9/10”.

### Work Experience-Training

**2021 – to date:** Head of the Department of Biology, School of Natural Sciences, University of Patras.

**2019 - to date:** Associate Professor in the Section of Animal Biology, Department of Biology, Faculty of Sciences, University of Patras, 25604, Rio, Patra, Greece.

**2013 - 2019:** Assistant Professor in the Section of Animal Biology, Department of Biology, Faculty of Sciences, University of Patras, 25604, Rio, Patra, Greece.

**2008 - 2013:** Lecturer in the Section of Animal Biology, Department of Biology, Faculty of Sciences, University of Patras, 25604, Rio, Patra, Greece.

**2007 - 2008:** Employment with permanent contracts as a Biologist in the Microbiology Lab of the private clinic/hospital “Galinos” (Thessaloniki, Greece) and crowd management incidents as a microbiologist on call.

**2006:** Five-month employment as an assistant Microbiologist in the Laboratory of 492 Military hospital (Alexandroupolis, Greece) (Gazzete 411.4/40/275966/Σ.1594/8-12-5/Army General Staff) and crowd management incidents as a microbiologist on call.

**2001 - 2005:** Tutorial teaching of the subject of Biology to students of Secondary Education, in preparation for entry to tertiary education with the system of national exams.

**2001 - 2005:** Participation in the organization and teaching of laboratory exercises course" Animal Physiology II" and "Environmental Animal Physiology" in the Laboratory of Animal Physiology, Section of Zoology, Department of Biology (Faculty of Sciences, Aristotle University of Thessaloniki, Greece).

**8/3 - 30/6/2005:** Assistance (fixed-term employment) during tutorial and laboratory exercises and written exams of undergraduate students in the Department of Biology.

**2001 - 2003:** Triennial employment as Biologist and Researcher with the project contract to the European Union research program entitled “Biological Effects of Environmental Pollution” in the area of “Environmental Pollution effects on coastal ecosystems” [article 7, paragraph 4AB, Ministerial Decision KA/679/22.8.96 (Official Gazette 826, vol. B)].

**2000:** Traineeship in the Milk industry “AGNO”, entitled “Handling stages of milk: chemical and microbiological analysis” (grade 10/10).

**1999:** Two months educational training in the Department of Chemistry and Microbiological analysis at the Industry of “BIOSER” (Taxiarches, Trikala, Greece).

### Research Interests

**Aquatic Toxicology;** Toxicity tests with the use of bioindicators of the aquatic environment (e.g. *Artemia franciscana*, *Thamnocephalus platyurus*, *Daphnia magna*, *D. pulex*, *Brachionus plicatilis*, *Dunaliella tertiolecta* and tissues of the common mussel *Mytilus galloprovincialis*); Biomonitoring of the marine environment with the use of Bioindicators (common mussel *M. galloprovincialis*) and Biomarkers (NRRT assay performed for evaluation of cell viability, MN and Comet assay, commonly performed for the estimation of DNA damage, antioxidant molecules and enzymes, like MDA, CAT, SOD, GPx, GST, ALP, AcP etc., commonly used for the estimation of oxidative status); Investigation of oxidative and genotoxic

effects (DNA damage) in tissues of marine organisms after exposure to inorganic and/or organic pollutants; Investigation of signaling molecules in tissues of metal-exposed marine organisms; Biological effects and Environmental impact of wastewaters and leachates; Determination of inorganic and organic pollutants in tissues of aquatic organisms and the water body; Measurement of physical and chemical parameters of wastewater with analytical techniques.

**Interests (Keywords):** (eco)toxicology; cytotoxicity; genotoxicity; biochemistry; bioindicators; biomarkers; monitoring; wastewaters, water contaminants; signaling cascades.

#### **Research project/Participation in research projects**

**2001-2003:** Participation as co-investigator in the FP 5 Programme of EU, Quality of life and management of living resources, entitled "Biological Effects of Environmental Pollution" (total budget 117.000€, scientific officer/coordinator: Professor Dimitriadis V.K. Department of Biology, Aristotle University of Thessaloniki, Greece.).

**2010-2014:** Scientific officer in the program Karatheodoris (2011-2014, CODE D179), funded by the Research Committee-Special Account of Funds and Research of University of Patras, entitled "Investigation of landfill leachate toxic effects in marine organisms, with the use of stress indices and organisms-indicators of the marine environment" (total budget 33.000€).

**2012-2015:** Participation in the program "Thales", entitled "The Role of Dopamine in neuronal plasticity: a learning-memory processes in normal rats, in models of dopaminergic denervation in patients with Parkinson's disease», [WP 8], funded by the Operational Programme Education and Lifelong Learning (NSRF 2007-2013, total budget of 521,740 €, coordinated by Associate Professor Mr. Angelatou R., Department of Basic Medical Sciences II Department / Department of Physiology, School of Medicine, University of Patras).

**2013:** Scientific Coordinator of the Project with the acronym «TECASED» funded by the European Union (Project BE0113000650, EU PILOT 4676/13 / ENVI), with a total budget of 3123.81 € (course work 23/10-18/12/2013).

**2014-2018:** Participation as co-investigator in the LIFE +13 program titled «Conservation measures to assist the adaptation of Falco eleonora\* to climate change (EIClimA, LIFE13 NAT / GR / 000909), chaired by Mr. Giokas Sinos (Assistant Professor, Department of Biology, University of Patras).

**2018-2019:** Participation (collaborative faculty member) in the program «DOMUS\_CW: Optimization of decentralized domestic wastewater treatment and sanitation via Constructed Wetlands», Code number: BMP1/2.2/2564/2017, co-funded by the European Union and National Funds (Interreg Balkan-Mediterranean| Call number: 2659/25.10.2017. weblink number: 71ΠΜ469HKY-15T).

#### **Participation in research networks**

**2009 to date:** Member of the Inter-University Network entitled «Toxic environmental factors, pharmaceuticals and protective mechanisms of the biota».

**2010 to date\*:** Member of the Inter-University Network entitled «BIOMET: Fate and transport of biocolloids in environmental systems».

#### **Member of Organizations**

Member of Hellenic Society for Biological Sciences

Member of Pan-Hellenic Association of Bioscientists (PEV).

Member of Society of Ecotoxicology and Environmental Safety (SECOTOX)

Member of the Hellenic Water Association.

Member of Society of Environmental Toxicology and Chemistry (SETAC).

#### **Reviewer for international scientific journals**

Reviewer in more than 330 articles submitted to 64 scientific peer review scientific journals (i.e., Journal of Hazardous Materials, Aquatic Toxicology, Ecotoxicology and Environmental Safety, Toxicology in Vitro, Marina Environmental Research, Environmental Pollution, Chemosphere, Science of the Total Environment, Fish and Shellfish Immunology, Environmental Monitoring and Assessment, Toxicological and Environmental Chemistry, Ecotoxicology, etc.).

#### Research/published articles (2003-2023)

1. Antonopoulou, G., Bampos, G., Ntaikou, I., Alexandropoulou, M., **Dailianis, S.**, Bebelis, S., Lyberatos, G., 2023. The biochemical and electrochemical characteristics of a microbial fuel cell used to produce electricity from olive mill wastewater. *Energy* 282, 128804. <https://doi.org/10.1016/j.energy.2023.128804>
2. **Dailianis, S.**,\* Vlastos, D., Zoppou, Chl., Moschopoulou, A., Antonopoulou, M., 2023. Different isoforms of parabens into marine environment: biological effects on the bacterium *Aliivibrio fischeri* and the marine mussel *Mytilus galloprovincialis*. *Science of the Total Environment* 900, 165902. <https://doi.org/10.1016/j.scitotenv.2023.165902>
3. Genethliou C., Tatoulis, T., Charalampous, N., **Dailianis S.**, Tekerlekopoulou A.G., Vayenas, D.V., 2023. Treatment of raw sanitary landfill leachate using a hybrid pilot-scale system comprising absorption, electroagulation and viological process. *Journal of Environmental Management* 330, 117129. <https://doi.org/10.1016/j.jenvman.2022.117129>
4. Dormousoglou, M., Boti, V., Hela, D., Vlastos, D., Antonopoulou, M., Chondrogiannis, Chr., Petropoulou, Y., **Dailianis, S.**\* 2023. Beneficial properties of *Drimia numidica* leaf methanolic extract against the cytogenotoxic effects of mitomycin C on human lymphocytes. *Food and Chemical Toxicology* 173, 113626. <https://doi.org/10.1016/j.fct.2023.113626>
5. Dormousoglou, M., Efthimiou, I., Antonopoulou, M., **Dailianis, S.**, Herbst, G., Vlastos, D. 2023. Phytochemical Analysis and Genotoxicological Evaluation of Prickly Pear Peel Extracts. *Plants* 12, 1537. <https://www.mdpi.com/2223-7747/12/7/1537>
6. Zampeta, Ch., Paparouni, Ch., Tampakopoulos, A., Frontistis, Z., Charalampous, N., **Dailianis, S.**, Koutsoukos, P.G., Paraskeva, C.A., Vayenas, D.V. 2022. Printing ink wastewater treatment using hydrodynamic cavitation and coagulants/flocculants. *Journal of Environmental Management* 321, 115975. <https://doi.org/10.1016/j.jenvman.2022.115975>
7. Dormousoglou, M., Efthimiou, I., Antonopoulou, M., Fetzer, D.L., Hamerski, F., Corazza, M.L., Papadaki, M., Santzouk, S., **Dailianis, S.**, Vlastos, D. 2022. Investigation of the genotoxic, antigenotoxic and antioxidant profile of different extracts from *Equisetum arvense*. *Antioxidants* 11, 1393. <https://doi.org/10.3390/antiox11071393>
8. Zampeta, Ch., Arvanitaki, F., Frontistis, Z., Charalampous, N., **Dailianis, S.**, Koutsoukos, P.G., Vayenas, D.V. 2022. Printing ink wastewater treatment using combined Hydrodynamic Cavitation and pH fixation. *Journal of Environmental Management* 317, 115404. <https://doi.org/10.1016/j.jenvman.2022.115404>
9. Apostolopoulos, I., Bampos, G., Beobide, A.S., **Dailianis, S.**, Voyiatzis, G., Bebelis, S., Lyberatos, G., Antonopoulou, G. 2021. The effect of anode material on the performance of a hydrogen producing microbial electrolysis cell, operating with synthetic and real wastewaters. *Energies* 14, 8375. <https://doi.org/10.3390/en14248375>
10. **Dailianis, S.**\*, Charalampous, N., Giokas, S., Vlastos, D., Efthimiou, I., Dormousoglou, M., Cocilovo, C., Faggio, C., Shehu, A., Shehu, J., Lyberatos, G., Ntaikou, I. 2021. Chemical and biological tracking in decentralized sanitation systems: The case of artificial constructed wetlands. *Journal of Environmental Management* 300, 113799. <https://doi.org/10.1016/j.jenvman.2021.113799>.
11. Kalamaras, G., Kloukinioti, M., Antonopoulou, M., Ntaikou, I., Vlastos, D., Eleftherianos, A., **Dailianis, S.**\* 2021. The Potential Risk of Electronic Waste Disposal into Aquatic Media: The Case of Personal Computer Motherboards. *Toxics* 9 (7), 166. <https://doi.org/10.3390/toxics9070166>.

12. Vidali, M.S., **Dailianis, S.\*\***, Vlastos, D., Georgiadis, P. 2021. PCBs cause global DNA hypomethylation of human peripheral blood monocytes in vitro. *Environmental Toxicology and Pharmacology* 87, 103696. <https://doi.org/10.1016/j.etap.2021.103696>.
13. Pappa, A., Papadimitriou-Tsantarliotou, A., Kaloyianni, M., Kastrinaki, G., **Dailianis, S.**, Lambropoulou, D.A., Christodoulou, E., Kyzas, G.Z., Bikiaris, D.N. 2021. Insights into the toxicity of biomaterials microparticles with a combination of cellular and oxidative biomarkers. *Journal of Hazardous Materials* 413, 125335. <https://doi.org/10.1016/j.jhazmat.2021.125335>.
14. Efthimiou, I., Kalamaras, G., Papavasileiou, K., Anastasi-Papathanasi, N., Georgiou, Y., **Dailianis, S.**, Deligiannakis, Y., Vlastos, D. 2021. ZnO, Ag and ZnO-Ag nanoparticles exhibit differential modes of toxic and oxidative action in hemocytes of mussel *Mytilus galloprovincialis*. *Science of the Total Environment* 767, 144699. <https://doi.org/10.1016/j.scitotenv.2020.144699>.
15. Papadopoulos, P.K., Economou, C.N., **Dailianis, S.**, Charalampous, N., Stefanidou, N., Moustaka-Gouni, M., Tekerlekopoulou, G.A., Vayenas, V.D. 2020. Brewery wastewater treatment using cyanobacterial-bacterial settleable aggregates. *Algal Research* 49, 101957. <https://doi.org/10.1016/j.algal.2020.101957>.
16. Tsouloufa, A., **Dailianis, S.**, Karapanagioti, K.H., Manariotis, I.D. 2020. Physicochemical and toxicological assay of leachate from malt spent rootlets biochar. *Bulletin of Environmental Contamination and Toxicology* 104, 634–641. <https://doi.org/10.1007/s00128-020-02839-4>.
17. Efthimiou, I., Georgiou, Y., Vlastos D., **Dailianis, S.**, Deligiannakis, Y. 2020. Assessing the cytogenotoxic potential of model zinc oxide nanoparticles in the presence of humic-acid-polycondesate (HALP) and the leonardite HA (LHA). *Science of the Total Environment* 721, 137625. <https://doi.org/10.1016/j.scitotenv.2020.137625>.
18. Kloukinioti, M., Politi, A., Kalamaras, G., **Dailianis, S.\*** 2020. Feeding regimes modulate biomarkers responsiveness in mussels treated with diclofenac. *Marine Environmental Research* 156, 104919. <https://doi.org/10.1016/j.marenvres.2020.104919>.
19. Genethliou, C., Kornaros, M., **Dailianis, S.** 2020. Biodegradation of olive mill wastewater phenolic compounds in a thermophilic anaerobic upflow packed bed reactor and assessment of their toxicity in digested effluents. *Journal of Environmental Management* 255, 109882. <https://doi.org/10.1016/j.jenvman.2019.109882>.
20. Tsarpali, V., Kassara, C., Barboutis, C., Papadimitraki, M., Kloukinioti, M., Giokas, S., **Dailianis, S.\*** 2020. Assessing the seasonal and intrinsic variability of neurotoxic and cyto-genotoxic biomarkers in blood of free-living Eleonoras' falcons. *Science of the Total Environment* 711,135101. <https://doi.org/10.1016/j.scitotenv.2019.135101>.
21. Charalampous, N., Grammatikopoulos, G., Kourmentza, C., Kornaros, M., **Dailianis, S.\*** 2019. Effects of *Burkholderia thailandensis* rhamnolipids on the unicellular algae *Dunaliella tertiolecta*. *Ecotoxicology and Environmental Safety* 182, 109413 (doi: <https://doi.org/10.1016/j.ecoenv.2019.109413>).
22. Papadopoulos, P.K., Argyriou, R., Economou, N.C., Charalampous, N., **Dailianis, S.**, Tatoulis I.T., Tekerlekopoulou, G.A., Vayenas, V.D. 2019. Treatment of printing ink wastewater using electrocoagulation. *Journal of Environmental Management*, 237, 442-448. <https://doi.org/10.1016/j.jenvman.2019.02.080>.
23. Vlastos, D., Antonopoulou, M., Lavranou, A., Efthimiou, I., **Dailianis, S.**, Hela, D., Lampropoulou, D., Paschalidou, K.A., Kassomenos, P. 2019. Assessment of the toxic potential of rainwater precipitation: First evidence from a case study in three Greek cities. *Science of the Total Environment* 648, 1323-1332. <https://doi.org/10.1016/j.scitotenv.2018.08.166>.
24. Tsarpali, V., **Dailianis, S. \*** 2018. [omim][BF<sub>4</sub>]-mediated toxicity in mussel hemocytes includes its interaction with cellular membrane proteins. *Aquatic Toxicology* 203, 88-94. <https://doi.org/10.1016/j.aquatox.2018.08.004>.

25. Faggio, C., Tsarpali, V., **Dailianis, S.** 2018. Mussel digestive gland as a model tissue for assessing xenobiotics: an overview. *Science of the Total Environment* 636, 220-229. <https://doi.org/10.1016/j.scitotenv.2018.04.264>.
26. Politakis, N., Belavgeni, A., Efthimiou, I., Charalampous, N., Kourkouta, Ch., **Dailianis S.\*** 2018. The impact of expired commercial drugs on non-target marine species: a case study with the use of a battery of biomarkers in hemocytes of mussels. *Ecotoxicology and Environmental Safety* 148C, 160-168. <https://doi.org/10.1016/j.ecoenv.2017.10.021>.
27. Belavgeni, A., **Dailianis, S.\*** 2017. The role of phosphatidylinositol-3-OH-kinase (PI3-kinase) and respiratory burst enzymes in the [omim][BF<sub>4</sub>]-mediated toxic mode of action in mussel hemocytes. *Fish and Shellfish Immunology*, 68, 144-153. <https://doi.org/10.1016/j.fsi.2017.07.015>.
28. Tsarpali, V., Goutas, A., Karyda, A., Efthimiou, I., Antonopoulou, M., Drosopoulou, E., Vlastos, D., Konstantinou, I., Mavragani-Tsipidou, P., **Dailianis, S.\*** 2017. The role of acetone in the [omim][BF<sub>4</sub>]-mediated adverse effects on tissues of mussels, human lymphocytes and the fruit fly *Drosophila melanogaster*. *Journal of Hazardous Materials*, 333, 339-347. <https://doi.org/10.1016/j.jhazmat.2017.03.050>.
29. Harbi, K., Makridis, P., Koukoumis, C., Papadionysiou, M., Vgenis, T., Kornaros, M., Ntaikou, I., Giokas, S., **Dailianis, S.\*** 2017. Evaluation of a battery of marine species-based bioassays against raw and treated municipal wastewaters. *Journal of Hazardous Materials*, 321, 537-546. <https://doi.org/10.1016/j.jhazmat.2016.09.036>.
30. Vlastos, D., **Dailianis, S.**, Kindou, S., Antonopoulou, M., Gianni, A., Zacharias, I. 2017. Assessing the environmental/human risk of potential genotoxicants in water samples from lacustrine ecosystems: the case of lakes in Western Greece. *Science of the Total Environment* 574, 246-252. <https://doi.org/10.1016/j.scitotenv.2016.09.042>.
31. Malandrakis, E.E., Dadali, O., Golomazou, E., Kavouras, M., **Dailianis, S.**, Chadio, S., Exadactylos, A., Panagiotaki, P. 2016. DNA damage and differential gene expression associated with physical stress in gilthead seabream (*Sparus aurata*). *General and Comparative Endocrinology* 236, 98–104. <https://doi.org/10.1016/j.ygcen.2016.07.009>.
32. Frontistis, Z., Antonopoulou, M., Venieri, D., **Dailianis, S.**, Konstantinou, I., Mantzavinos, D. 2017. Solar photocatalytic decomposition of ethyl paraben in zinc oxide suspensions. *Catalysis Today* 208 Part 1, 139-148. <https://doi.org/10.1016/j.cattod.2016.06.008>.
33. Toufexi E., **Dailianis, S.\***, Vlastos, D., Manariotis, I.D. 2016. Mediated effect of ultrasound treated Diclofenac on mussel hemocytes: First evidence for the involvement of respiratory burst enzymes in the induction of DCF-mediated unspecific mode of action. *Aquatic Toxicology* 175, 144-153. <https://doi.org/10.1016/j.aquatox.2016.03.017>.
34. Tsarpali, V., Harbi, K., **Dailianis, S.\*** 2016. Physiological response of the green microalgae *Dunaliella tertiolecta* against imidazolium ionic liquids [bmim][BF<sub>4</sub>] and/or [omim][BF<sub>4</sub>]: the role of salinity on the observed effects. *Journal of Applied Phycology* 28, 979-990. <https://doi.org/10.1007/s10811-015-0613-6>.
35. Siorou, S., Vgenis, T.T., Dareioti, A.M., Vidali, M-S., Efthimiou, I., Kornaros, M., Vlastos, D., **Dailianis, S.\*** 2015. Investigation of olive mill wastewater (OMW) ozonation efficacy with the use of a battery of selected ecotoxicity and human toxicity assays. *Aquatic Toxicology* 164, 135-144. <https://doi.org/10.1016/j.aquatox.2015.04.017>.
36. Tsarpali, V., Belavgeni, A., **Dailianis, S.\*** 2015. Investigation of toxic effects of imidazolium ionic liquids, [bmim][BF<sub>4</sub>] and [omim][BF<sub>4</sub>], on marine mussel *Mytilus galloprovincialis* with or without the presence of conventional solvents, such as acetone. *Aquatic Toxicology* 164, 72-80. <https://doi.org/10.1016/j.aquatox.2015.04.021>.
37. Tsarpali, V., **Dailianis, S.\*** 2015. Toxicity of two imidazolium ionic liquids, [bmim][BF<sub>4</sub>] and [omim][BF<sub>4</sub>], to standard aquatic test organisms: role of acetone in the induced toxicity. *Ecotoxicology and Environmental Safety* 117, 62-71. <https://doi.org/10.1016/j.ecoenv.2015.03.026>.

38. Charalampous, N., Kindou, A., Vlastos, D., Tsarpali, V., Antonopoulou, M., Konstantinou, I., **Dailianis, S.\*** 2015. A multidisciplinary assessment of river surface water quality in areas heavily influenced by human activities. *Archives of Environmental Contamination and Toxicology* 69 (2), 208-222. <https://doi.org/10.1007/s00244-015-0152-9>.
39. Aravantinou, F.A., Tsarpali, V., **Dailianis, S.**, Manariotis, I.D. 2015. Effect of cultivation media on the toxicity of ZnO nanoparticles to freshwater and marine microalgae. *Ecotoxicology and Environmental Safety* 114, 109-116. <https://doi.org/10.1016/j.ecoenv.2015.01.016>.
40. **Dailianis, S.\***, Tsarpali, V., Melas, K., Karapanagioti, H.K., Manariotis, I.D. 2014. Aqueous phenanthrene toxicity after high-frequency ultrasound degradation. *Aquatic Toxicology* 147, 32-40. <https://doi.org/10.1016/j.aquatox.2013.12.006>.
41. Tsiaka, P., Tsarpali, V., Ntaikou, I., Kostopoulou, M.N., Lyberatos, G., **Dailianis, S.\*** 2013. Carbamazepine-mediated pro-oxidant effects on the unicellular marine algal species *Dunaliella tertiolecta* and the hemocytes of mussel *Mytilus galloprovincialis*. *Ecotoxicology* 22, 1208-1220. <https://doi.org/10.1007/s10646-013-1108-3>.
42. Toufexi, E., Tsarpali, V., Efthimiou, I., Vidali, M-S., Vlastos, D., **Dailianis, S.\*** 2013. Environmental and human risk assessment of landfill leachate: an integrated approach with the use of cytotoxic and genotoxic stress indices in mussel and human cells. *Journal of Hazardous Materials* 260, 593-601. <https://doi.org/10.1016/j.jhazmat.2013.05.054>.
43. Bouki, E., Kaloyianni, M., Dimitriadis, V.K., **Dailianis, S.\*** 2013. Antioxidant and pro-oxidant challenge of tannic acid in mussel hemocytes exposed to cadmium. *Marine Environmental Research* 85, 13-20. <https://doi.org/10.1016/j.marenvres.2012.12.005>.
44. Grintzalis, K., Georgiou, C.D., **Dailianis, S.\*** 2012. Total thiol redox status as a potent biomarker of PAH-mediated effects on mussels. *Marine Environmental Research* 81, 26-34. <https://doi.org/10.1016/j.marenvres.2012.08.004>.
45. Tsarpali, V., **Dailianis, S.\*** 2012. Investigation of landfill leachate toxic potency: an integrated approach with the use of stress indices in tissues of mussels. *Aquatic Toxicology* 124-125, 58-65. <https://doi.org/10.1016/j.aquatox.2012.07.008>.
46. Tsarpali, V., Kamilari, M., **Dailianis, S.\*** 2012. Seasonal alterations of landfill leachate composition and toxic potency in semi-arid regions. *Journal of Hazardous Materials* 233-234, 163-171. <https://doi.org/10.1016/j.jhazmat.2012.07.007>.
47. Vouras, Ch., **Dailianis, S.\*** 2012. Evidence for phosphatidylinositol-3-OH-kinase (PI3-kinase) involvement in Cd-mediated oxidative effects on haemocytes of mussels. *Comparative Biochemistry and Physiology C: Toxicology & Pharmacology* 155, 587-593. <https://doi.org/10.1016/j.cbpc.2012.01.009>.
48. Giannapas, M., Karnis, L., **Dailianis, S.\*** 2012. Generation of free radicals in haemocytes of mussels after exposure to low molecular weight PAH components: immune activation, oxidative and genotoxic effects. *Comparative Biochemistry and Physiology C: Toxicology & Pharmacology* 155, 182-189. <https://doi.org/10.1016/j.cbpc.2011.08.001>.
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#### **Participation in National Conferences (2003-2023)**

More than 67 announcements (poster and/or oral) in National Conferences and Meetings.

#### **Participation in International Conferences (2003-2023)**

1. Vidali M-S., Dailianis S., Vlastos D., Georgiadis P. Analysis of the biological effects of persistent organic pollutants (POPs) on human leukocyte cell lines and peripheral blood mononuclear cells. EUROTOX 2019. 55<sup>TH</sup> CONGRESS OF THE EUROPEAN SOCIETIES OF TOXICOLOGY, 8-11 SEPTEMBER 2019, FINLANDIA HALL, HELSINKI, FINLAND.
2. Efthimiou I., Kalamaras G., Koukouvini A.K., Mouzourakis E., Georgiou Y., Dailianis S., Deligiannakis Y., Vlastos D. *In vitro* toxicity of model ZnO-Ag nanoparticles in human lymphocytes and hemocytes of mussel *Mytilus galloprovincialis*. EUROTOX 2019. 55<sup>TH</sup> CONGRESS OF THE EUROPEAN SOCIETIES OF TOXICOLOGY, 8-11 SEPTEMBER 2019, FINLANDIA HALL, HELSINKI, FINLAND.
3. Dailianis S., Charalampous N, Foiniris S, Komodromou A, Faggio C, Cocilovo A, Dormousoglou M, Lyberatos G, Ntaikou I. Evaluating constructed wetland's operational efficiency, using a battery of bioassays and critical toxic endpoints. 19<sup>TH</sup> INTERNATIONAL SYMPOSIUM ON TOXICITY ASSESSMENT THESSALONIKI, GREECE, 25 - 30 AUGUST 2019.
4. Dormousoglou M, Vlastos D, Petropoulou Y, Dailianis S. Investigation of the cytoprotective and antigenotoxic potential of methanolic leaf extracts from plants of the genus *Drimia*, using the Cytokinesis-Block Micronucleus (CBMN) assay in human lymphocytes. 19<sup>TH</sup> INTERNATIONAL SYMPOSIUM ON TOXICITY ASSESSMENT THESSALONIKI, GREECE, 25 - 30 AUGUST 2019.
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7. Dailianis S., Charalampous N, Dailianis S., Foiniris S, Komodromou A, Cocilovo A, Dormousoglou M, Lyberatos G, Ntaikou I. An integrated approach for the assessment of constructed wetlands operational efficiency, using both chemical and biological data. 16<sup>TH</sup> INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY (CEST 2019) RHODES, GREECE, 4 - 7 SEPTEMBER 2019.
8. Ntaikou I, Antonopoulou G, Drakopoulos V, Dailianis S., Lyberatos G. Optimization of decentralized treatment and sanitation of domestic wastewaters via constructed wetlands: The DOMUS\_CW project. 16<sup>TH</sup> INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY (CEST 2019) RHODES, GREECE, 4 - 7 SEPTEMBER 2019.
9. Dailianis S., Charalampous N, Foiniris S, Komodromou A, Cocilovo C, Dormousoglou M, Ntaikou I, Lyberatos G. Assessment of constructed wetlands operational efficiency, using chemical and biological testing. INTERNATIONAL SYMPOSIUM ON CONSTRUCTED WETLANDS & SMALL DECENTRALIZED WASTEWATER TREATMENT PLANTS (ISCW 2019), 29-31 AUGUST, PATRAS, GREECE.
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34. Efthimiou I., Anastasi-Papathanasi N., Mouzourakis E., Georgiou Y., Dailianis S., Deligiannakis Y., Vlastos D. *In vitro* toxicity of model ZnO nanoparticles on hemocytes of mussel *Mytilus galloprovincialis*. SETAC EUROPE 28<sup>th</sup> ANNUAL MEETING, 13-17 MAY 2017, ROME, ITALY.
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  39. Dailianis S., Giannapas M. and Karnis L. Enhanced free radicals in haemocytes of PAH-exposed mussels: oxidative and genotoxic effects. THIRD INTERNATIONAL CONFERENCE ON ENVIRONMENTAL MANAGEMENT, ENGINEERING, PLANNING AND ECONOMICS (CEMEPE 2011) & SECOTOX CONFERENCE, 19-24 June 2011, SKIATHOS Island, GREECE.
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