

FANI SAKELLARIADOU

Curriculum Vitae



I. Correspondence

- ✓ Office: Dept of Maritime Studies, University of Piraeus
21 Distomou & Gr. Lambraki st, Piraeus 18532, Greece
tel:+ 210 414 2563, 31. Mobile +306973889050
Email:fsakelar@unipi.gr
- ✓ Home: 4 Ipsilantou st, Voula 16673, Gr.

II. Personal

Born in Athens. Resident of Athens. Mother of two children.

III. Current Position

- Professor in Geochemical Oceanography, Dept. of Maritime Studies, University of Piraeus, Greece.
- Director of the MSc course "Sustainability and Quality in Marine Industry", Dept. of Maritime Studies, University of Piraeus, Greece.
- Director of the Oceanography and Marine Geochemistry Laboratory, Dept. of Maritime Studies, University of Piraeus, Greece.
- University departmental coordinator for the students' mobility for internships through Erasmus+ program
- Secretary and Project Coordinator at Division VI, Chemistry and the Environment of the International Union of Pure and Applied Chemistry, a member of the International Council of Scientific Unions. Elected Vice President for the biennium 2024-2025 and President for 2026-2027.

IV. Previous positions

- Titular Member and Project Coordinator at Division VI, Chemistry and the Environment of the International Union of Pure and Applied Chemistry, a member of the International Council of Scientific Unions. (2018-2022).
- Chairwoman of the Scientific Supervisory Board of the Zanneio Experimental High School, Piraeus, Greece (2019-2021).
- Head of the Maritime Studies Dept, University of Piraeus, Greece (2014-2018).
- Member of the University of Piraeus Senate Board (2014-2018).
- University departmental coordinator for the Erasmus+ programme (2013-2018).
- Marine geochemist expert-consultant, at "Hydrex Expertise in Water" Company (March 2012 - June 2013).
- Associate Professor in Oceanography, Dept. of Maritime Studies, Univ. of Piraeus, Gr (Nov. 2002 - Dec. 2010).
- Assistant Professor in Oceanography, Dept. of Maritime Studies, Univ. of Piraeus, Gr (Dec. 1996 - Nov. 2002).
- Lecturer in Oceanography, Dept of Maritime Studies, University of Piraeus, Gr (Nov. 1992 - Dec. 1996).
- Geochemist, Hellenic Centre for Marine Research, Anavyssos, Gr (1990 - 1992).
- National expert (in climatic change issues), European Union, DG XI (1989 - 1990).
- Professor of Chemistry, Hellenic Air Force Academy, Gr (1989 - 1990).
- Researcher (in atmospheric emissions & climatic change), National Technical Univ. of Athens, Gr (1987 - 1989).

V. Education

1. **Ph.D. in Marine Geochemistry** (Applied Geochemistry Research Group, Royal School of Mines, Imperial College, University of London, U.K., 1983-1987). <https://spiral.imperial.ac.uk/bitstream/10044/1/46438/2/Sakellariadou-F-1987-PhD-Thesis.pdf>
2. **MPhil in Oceanography** (University of Athens, GR., 1981-1984).
3. **Diploma of Imperial College** (D.I.C.) in Organic Synthesis, (Imperial College, University of London, U.K., 1981-1983).
4. **BSC in Chemistry** (Dept of Chemistry, University of Athens, GR., 1976-1981).

VI. Member of scientific committees

1. The Hellenic Association of Chemists.
2. The Hellenic Association of Oceanographers.
3. Evaluator database EVAL-INCO.
4. Titular Member of the Chemistry and the Environment Division, of the International Union of Pure and Applied Chemistry (IUPAC).
5. European Association of Geochemistry.
6. Pool of Experts, Division for Ocean Affairs and the Law of the Sea, United Nations.

VII. Main research interests

- Geochemical studies in marine sediments and more specifically about heavy metals, dissolved organic carbon and humic material.
- Marine placer deposits and Sea-bed mining.
- Marine Pollution.
- Sustainable development/management of the coastal zone.
- Coastal and marine geospatial planning.
- Sustainable Blue Economy

VIII. Publications

1. Pournara A and Sakellariadou F, 2023. Impacts of the shipbuilding industry on the ecosystem services and the challenges for a sustainable blue economy: case study of a coastal ecosystem in the Eastern Mediterranean. *ICED2023 (4th International Conference on Environmental Design)*, 20-22 October 2023, Athens, Gr.
2. Sakellariadou F, Hassellöv I.-M., Wooldridge C.F., and Kitsiou D, 2023. Reducing ports' contribution to climate change. *25th International Transport and Air Pollution and 3rd Shipping and Environment Conference*, 25-28 September, Gothenburg, Sweden.
3. Sakellariadou F 2023 The seabed mining as an emerging sector of the sustainable blue economy concept. *GOLDSCHMIDT 2023*, 9-14 July, Lyon, France.
4. Sakellariadou F, Hassellöv I.-M., Wooldridge C.F., and Kitsiou D, 2023. Mega ports and climate change. *18th International Conference on Chemistry and the Environment*, 11-15 June 2023, Venice, Italy.
5. Sakellariadou F and Pournara A. 2023. The implementation of sustainable blue economy in a coastal industrial area. *OCEANS 2023*, 5-8 June 2023, Limerick, Ireland.
6. Sakellariadou F, 2023. Sustainable blue economy in the Elefsis gulf (in Greek). 3rd Scientific Conference "Management, Organization & Development of Ports, 30-31/3 & 1/4/2023, Labor Center of Elefsis-Western Attika
7. Sakellariadou F 2023. Microplastic Pollution in the Marine Environment. *Separations*, 10, 109, 4-5. <https://www.mdpi.com/2297-8739/10/2/109>, doi:10.3390/separations10020109.
8. Trifona IM and Sakellariadou F, 2023 Microplastic Pollution in Athens Riviera, Greece. *Separations*, 10, 109, 82. <https://www.mdpi.com/2297-8739/10/2/109>, doi:10.3390/separations10020109
9. Sakellariadou F 2022. Microplastic pollution in the marine environment (invited talk). *APCE & CECE & ITP 2022 Angkor Wat*, Nov. 6-10, 2022.
10. Trifona IM and Sakellariadou F, 2022. Microplastic pollution in Athens Riviera, Gr. *APCE & CECE & ITP 2022 Angkor Wat*, Nov. 6-10, 2022.

11. Pournara A and Sakellariadou F, 2022. Development of the IES protocol for Sustainable Blue Economy in the coastal zone. *1st International Conference on Sustainable Chemical and Environmental Engineering*. 31 Aug. - 04 Sept. 2022, Rethymno, Crete, Greece.
12. Sakellariadou F, Hein JR, Gonzalez FJ, 2022. Seabed mineral deposits as a sustainable resource for rare earth elements. *International Sedimentological Congress (IAS)*, August 22-26, 2022, Beijing China (invited talk).
13. Pournara A and Sakellariadou F, 2022. Development of a Protocol for a Sustainable Blue Economy in the Coastal Zone: Case Study and Preliminary Results in a Coastal Industrial Area in the Eastern Mediterranean. *Sustainability*, 14, 10323. <https://doi.org/10.3390/su141610323>
14. Sakellariadou F and Kontogoulidou C., 2022. Remote Student Monitoring Framework for Securing Exams. *International Conference hss-22: Humanities and Social Sciences key levers for Post-Covid Recovery*. 4 July 2022. El Jadida Morocco.
15. Sakellariadou F, Gonzalez F J, Hein J R, Rincón-Tomás B, Arvanitidis N and Kuhn T, 2022. Seabed mining and blue growth: exploring the potential of marine mineral deposits as a sustainable source of rare earth elements (MaREEs) (IUPAC Technical Report) *Pure and Applied Chemistry*, vol. 94, no. 3, 2022, pp. 329-351, <https://doi.org/10.1515/pac-2021-0325>
16. Terzano R, Rascio I, Allegretta I, Porfido C, Spagnuolo M, Yaghoubi Khanghahi M, Crecchio C, Sakellariadou F, Gattullo CE, 2021. Fire effects on the distribution and bioavailability of potentially toxic elements (PTE) in agricultural soils. *Chemosphere* 281:130752. DOI: 10.1016/j.chemosphere.2021.130752
17. Sakellariadou F, Antivachis D, 2021. An approach to study the impacts of a wildfire on the land uses of a coastal urban-rural area. *Special Symposium on "Environmental Chemistry and Sustainability: The Environmental Impact of Fires" 48th IUPAC World Chemistry Congress*, August 13-20, 2021.
18. Terzano R, Rascio I, Allegretta I, Porfido C, Spagnuolo M, Khanghah M, Crecchio C, Sakellariadou F, Gattullo E, 2021. The impact of fire on the distribution and bioavailability of potentially toxic elements (PTE) in soil. *Special Symposium on "Environmental Chemistry and Sustainability: The Environmental Impact of Fires" 48th IUPAC World Chemistry Congress*, August 13-20, 2021.
19. Sakellariadou F, 2021. Metal Demand and Deep-Sea Mining. *Ad Oceanogr & Marine Biol.* 2(3): 2021. AOMB.MS.ID.000541. DOI: 10.33552/AOMB.2021.02.000541
20. Sakellariadou F, 2020. A study of the post fire effects on dissolved organic matter in a coastal residential area. *The 20th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, MESAEP*, 26-27 October, Athens, Gr.
21. Sakellariadou F and Antivachis D, 2019. Assessment of the effect of a devastating fire on terrestrial soil and coastal marine sediment in East Attica, Greece. *The 47th IUPAC World Chemistry Congress*, 5-12 July, Paris, Fr.
22. Sakellariadou F and Papavasileiou K, 2018. Placer mineral concentrations in the N.E Aegean continental shelf and its economic perspectives. *The Geological Society, GSL Marine Minerals: A New Resource for the 21st Century*. 31 Oct. – 1 Nov. 2018, London, U.K.
23. Sakellariadou F and Antivachis D, 2018. Optical properties of DOM in Koumoundourou Lake. *Proceedings of the 12th Hellenic Symposium of Oceanography and Fisheries*, 30/5-3/6, Corfu, Gr.
24. Sakellariadou F and Sarris G, 2018. Future and complexities of arctic shipping. *Proceedings of the 12th Hellenic Symposium of Oceanography and Fisheries*, 30/5-3/6, Corfu, Gr.
25. Kostopoulou E and Sakellariadou F, 2018. Integrating coastal spatial planning into DPSIR frameworks towards a more sustainable management of a coastal area. *Proceedings of the 12th Hellenic Symposium of Oceanography and Fisheries*, 30/5-3/6, Corfu, Gr.
26. Sakellariadou F and Antivachis D, 2018. Spectroscopic studies of dissolved organic matter in a heavily modified Mediterranean and ancient coastal lake. *Environ Earth Sci* 77: 272. <https://doi.org/10.1007/s12665-018-7446-y>
27. Sakellariadou F and Antivachis D, 2018. ICOMGG Geochemical evaluation of metal content and fluorescent characterization of Dissolved Organic Matter in lake sediments. *World Academy of Science, Engineering and Technology, International Journal of Marine and Environmental Sciences*, 12(3), 20th International Conference on Oceanography, Marine

Geology and Geochemistry, 22 – 23/3 2018, Singapore, <http://waset.org/pdf/books/?id=86326&pageNumber=124>

28. Sakellariadou F, 2017. Geospatial quantification of pollutant loads in Piraeus port and the surrounding area, Greece. *Fresenius Environmental Bulletin*, vol. 26, No 1/2017, 177-182.
29. Sakellariadou F, 2017. Invited introductory speech to the special session "The southern coasts of Attica, two months after the sinking of the Aghia Zoni II", *7th National Conference "Management and Improvement of coastal zones"*, 22/11/2017. Athens.
30. Kostopoulou E and Sakellariadou F, 2017. The relation of coastal spatial planning and blue growth and the resolution of the arising conflicts in a coastal area. Developments in Maritime Transportation and Harvesting of Sea Resources (2-Volume set): *Proceedings of the 17th International Congress of the International Maritime Association of the Mediterranean (IMAM 2017)*, October 9-11, 2017, Lisbon, Portugal. (Volume 2, Marine Environment). CRC Press, ISBN 9780815379935.
31. Sakellariadou F and Antivachis D, 2017. Environmental quality evaluation of a lake. *MESAEP*, 4-6 October 2017, Rome, Italy.
32. Sakellariadou, F, 2017. Fluoroscopic characterization of the aqueous extracts of DOM in a coastal, urban lake. *23rd International Symposium on Environmental Biogeochemistry*, Palm Cove, Cairns, 25-29 Sept 2017.
33. Sakellariadou F, 2017. Humification Index values of the dissolved organic matter extracted from sediment samples collected from the shoreline of Koumoundourou lake. *PANGAEA* <https://doi.org/10.1594/PANGAEA.880168>
34. Sakellariadou F, 2016. Geochemical study of the mobile metal/metalloid fraction and the fluorescent properties of dissolved organic matter present in marine sediments from the Messiniakos gulf at the southern part of Greece. *Regional Studies in Marine Science*. Reference RSMA132, DOI INFORMATION: 10.1016/j.rsma.2016.05.002, available online: 12 May 2016.
35. Sakellariadou F, 2016. The use of environmental parameters in the evaluation of port management model. *7th Hellenic Conference on Port Development*, Athens, Gr.
36. Sakellariadou F, 2016. Seatropolis and blue growth. *Proceedings of the 7th Hellenic Conference on Port works*. 28/11-1/12/ 2016. Athens, Gr.
37. Sakellariadou F, 2016. Geochemical investigations in ports. *12th International Conference on Coasts, Ports and Marine Structures (ICOPMAS)*. 31/10—2/11 2016, Tehran, Iran.
38. Sakellariadou F, 2016. Geospatial assessment of the pollutant load trend in a coastal marine area. *13th International Conference on Protection and Restoration of the Environment*, 3-8/7, 2016, Mykonos Island, Greece.
39. Sakellariadou F, 2015. Geospatial quantification of pollutant loads in ports. *18th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region. MESAEP*, September 26-30, Crete, Greece.
40. Sakellariadou F, 2015. Maritime pollutants in shipping and commercial European ports based on relevant physical and biogeochemical environmental parameters. *Pure Appl. Chem.* 2015; 87(11-12): 1151–1166) (IUPAC Technical Report. <https://www.degruyter.com/document/doi/10.1515/pac-2014-0804/html>
41. Sakellariadou F, and Kostopoulou E, 2015. Marine ecotourism from the perspective of blue growth. *7th iCOncE Conference Competitiveness and Stability in the Knowledge-based Economy*, March 20-21, Craiova, Romania.
42. Sakellariadou F, 2014. Geochemical and Statistical Studies in Regard to Placer Mineral Exploration in the Continental Shelf. *BIT's 3rd Annual World Congress of Ocean-2014 (WCO-2014)*, Dalian, China, 16-18 October.
43. Sakellariadou F, 2014. The concept of marine ecotourism: Case study in a Mediterranean island. *The International Journal of Climate Change: Impacts and Responses*. Volume 5, 2014, www.on-climate.com, ISSN 1835-7156
44. Sakellariadou F, 2014. The concept of marine ecotourism: Case study in a Mediterranean island. *Sixth International Conference on Climate Change: Impacts and Responses and the Climate Change: Impacts and Responses knowledge community*, University of Iceland, Reykjavik, 27-28 June 2014.

45. Sakellariadou F, 2014. Task Group Chair. Management of maritime pollutants in shipping and commercial European ports based on relevant physical and biogeochemical environmental parameters. *Chemistry International*, vol. 36, issue 2 (Mar 2014), pp. 20-2, ISSN 1365-2192.
46. Steyl I, Sakellariadou F & Bray S, 2013. "Quantification of Pollution levels in harbour Sediments –a GeoSpatial Perspective", Tahoka Press, 122 p.
47. Sakellariadou F, 2013. Current technologies for the marine biofouling control. *ICABE*, 2-4 October, New York, USA.
48. Sakellariadou F, 2013. Application of geochemical and statistical approach to assess metal contamination in marine sediments. *Goldschmidt 2013*, 25-30 August 2013, Florence, Italy, *Mineralogical magazine*, vol. 77, n. 5, p. 2116.
49. Sakellariadou F, 2013. The use of multivariate and geostatistical analysis for the evaluation of quality of coastal marine environment. *CIESM 2013*, 28 October – 1 November 2013, Marseille, France.
50. Sakellariadou F, 2013. Evaluation of anthropogenic pollution in harbour areas. *International Journal of Maritime, Trade & Economic Issues (IJMTEI)*, vol. 0(1), pages 59-66.
51. Sakellariadou F, 2012. Management of Maritime Pollutants in European Ports. *Chemistry International, IUPAC*, vol.34, No 1.
52. Sakellariadou F, 2012. Evaluation of anthropogenic pollution in harbor areas. *International Conference on Applied Business and Economics, ICABE 2012*, 11-13 October 2012, Nicosia, Cyprus.
53. Sakellariadou F, 2012. Tools for the geospatial assessment of pollutant loads in ports and harbors as well as the respective environmental impacts. *THALATTA 2012*, 22-23 September 2012, Santorini, Gr. (in Greek)
54. Sakellariadou F, 2012. Spectroscopic studies on sedimentary organic material. *Goldschmidt 2012*, 24-30 June 2012, Montreal, Canada.
55. Sakellariadou F, 2012. Studies of the DOM aqueous extracts from coastal marine sediments. *European Geosciences Union, General Assembly 2012*, 22-27 April 2012. Vienna, Austria.
56. Sakellariadou F, 2012. The carbon footprint of a car travelling from Athens to Venice. *Proceedings of the 10^o Hellenic Symposium on Oceanography and Fisheries*, 7-11 May 2012, Athens.
57. Sakellariadou F, 2012. Heavy metal and dissolved organic matter studies in Piraeus port sediments. *International Journal of Oceans and Oceanography (IJOO)*, vol. 6(1), pp. 27-43.
58. Sakellariadou F, 2011. Application of agglomerative hierarchical clustering on metal content data sets of Piraeus and Lavrio port sediments. *16th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region (MESAEP)*, 24-27 September 2011, Ioannina, Greece.
59. Vournazou A-M and Sakellariadou F, 2011. The total cost of the use of antifouling coatings on ships/ hulls: a case study. *16th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region (MESAEP)*, 24-27 September 2011, Ioannina, Greece.
60. Sakellariadou F, 2011. Geochemical studies in Piraeus port sediments, Greece. *Goldschmidt 2011*, 14-19/8/2011, Prague, *Mineralogical Magazine, Journal of Mineral Sciences*, p.1783.
61. Sakellariadou F, 2011. Fluorescence spectroscopy studies of dissolved organic matter aqueous extracts from coastal surface sediments of the Messiniakos gulf, SW Peloponnese, Gr. *V International Conference on Integrated Management of Coastal Zones, CARICOSTAS 2011*, "Integration for the sustainability of coastal ecosystems", 11-13/5/2011, Santiago, Cuba.
62. Sakellariadou F, 2010. Fluorescence characterization of organic matter released from surface sediments collected from a traverse at the Messiniakos gulf, SW Peloponnese, Gr. *British Sedimentological Research Group, BSRG 2010*, abstract volume p. 95, National Oceanography Centre, Southampton, 19-21 December 2010
63. Sakellariadou F and Senesi N, 2010. Fluorescence characterization of organic matter released from Piraeus port sediments. *Ocean Carbon and Biogeochemistry Workshop*, Scripps Institution of Oceanography, 19-22 July, La Jolla, CA, USA.
64. Sakellariadou F and Haralambides L, 2010. Cd, Ni and Pb vertical distribution in sediment cores from the Elefsis gulf (Attiki-Greece). *Fresenius Environmental Bulletin*, vol. 19 (9), 1848-1853.

65. Sakellariadou F, 2010. Geochemical studies of the environmentally mobile metal fraction in box-cores from the Messiniakos gulf (Greece). *Proceedings of the 39th CIESM Congress*, 10-14/5/2010, Venice, Italy.
66. Sakellariadou F, 2010. Climate change and maritime industry. *Proceedings of the 39th CIESM Congress*, 10-14/5/2010, Venice, Italy.
67. Haralambides L, Ladakis E and Sakellariadou F, 2010. The distribution of Fe and Mn in sediments from the Elefsis gulf (Greece). *Proceedings of the 39th CIESM Congress*, 10-14/5/2010, Venice, Italy.
68. Sakellariadou F, Ladakis M Haralambides L, 2009. Cu, Zn and Sn vertical distribution in sediment cores from the Elefsis Gulf (Attiki, Greece). *The 2nd International Conference on Environmental and Computer Science*, ICECS 2009, 27-30 December 2009, Dubai.
69. Sakellariadou F, D'Orazio V, Senesi N, 2009. Fluorescence characterisation of organic matter released from Messiniakos gulf sediments. *15th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region (MESAEP)*, 7-11/10, 2009, Bari, Italy.
70. Ladakis M, Haralambides L and Sakellariadou F, 2009. Cd, Ni and Pb vertical distribution in sediment cores from the Elefsis Gulf (Attiki, Greece). *15th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region (MESAEP)*, 7-11/10, 2009, Bari, Italy, p.170.
71. Sakellariadou F, 2009. Preliminary geochemical studies in sediments from the Messiniakos gulf (SW Peloponnese). *Proceedings of the 9th Hellenic Symposium of Oceanography and Fisheries*, 13-16 May 2009, 266-271, (in Greek).
72. Sakellariadou F, 2009. Environmentally sound port management. *Proceedings of the Silver Jubilee of the International Port Conference IPC 25 years in Seaports and Maritime Transport "Retrospectives and Perspectives"*, 8-10 February, Alexandria – Egypt
73. Sakellariadou F, 2008. Environmental management of marinas with economic benefits. *Proceedings of the 4th Hellenic Conference "Coastal zone management and improvement"* organized by the Port Engineering Laboratory of the National Technical University of Athens, 23-28 September, Mytilini, (in Greek).
74. Haralambides L and Sakellariadou F, 2008. A pollutant dispersion model for the Piraeus, Lavrio and Rafina ports and the Elefsis gulf. *Fresenius Environmental Bulletin*, vol. 17, No 10a, 1607-1614.
75. Sakellariadou F, 2007. *Oceanography*, 354 p., Stamoulis (ed), ISBN: 978-960-351-695-8, (in Greek).
76. Haralambides L and Sakellariadou F, 2007. A pollutant dispersion model for the Piraeus, Lavrio and Rafina ports and the Elefsis gulf. *Proceedings of the 14th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region (MESAEP)*, 10-14/10/2007, Seville, Spain, p. 268.
77. Sakellariadou F, 2007. Marine tourism development and sustainability, Case study the Saronikos gulf marinas, Gr. *Proceedings of the 38th CIESM Congress*, 9-13/4/2007, Istanbul - Turkey, p. 702.
78. Sakellariadou F, 2007. *Study of the nitrate reductase in the Elefsis gulf*. *Proceedings of the 38th CIESM Congress*, 9-13/4/2007, Istanbul – Turkey, p. 390.
79. Sakellariadou F, 2006. Spectroscopic studies of humic acids from subsurface sediment samples collected across the Aegean Sea. *Mediterranean Marine Science*, vol. 7, no 2, pp. 11-17, doi.org/10.12681/mms.166
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81. Sakellariadou F, 2006. Contribution of ships to the atmospheric pollution *Studies in honour of Prof. Naoum*, University of Piraeus editions, vol. B, pp.1047-1063, (in Greek).
82. Haralambides L and Sakellariadou F, 2006. Geochemical investigations in sediment cores from the Elefsis, Gulf, Greece. *Proceedings of the 8th Hellenic Symposium on Oceanography and Fisheries* (cd), 4-8 June 2006, Thessaloniki, Gr. (in Greek)
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87. Sakellariadou F and Haralambides L, 2004. Metal Partitioning in Rafina port sediments. *Proceedings of the 20th International Annual Port Conference*, 11-13/1/ 2004, Alexandria – Egypt.
88. Sakellariadou F and Haralambides L, 2004. Lead, Zinc, Copper and Iron Partitioning Spatial Distribution in Lavrio port sediments. *Proceedings of the 37th CIESM Congress*, 7-11/6/2004, Barcelona, vol. 37, p. 239.
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96. Sakellariadou F, Dassenakis M, Michailidou L and Haralambides L, 2001. Metal pollution in Piraeus port, a major Mediterranean port. *Fresenius Environmental Bulletin*, vol.10, No 1, pp.73-79.
97. Sakellariadou F, 2001. Metal partitioning in geochemical fractions. *Studies in honour of the Prof. Kodosakis*, University of Piraeus editions, pp. 889-894. (in Greek)
98. Sakellariadou F, 2001. Marinas Sustainable Development. *Proceedings of the 7th International Conference on Environmental Science and Technology (CEST)*, Volume C', 3-6/9/2001, Ermoupolis, Syros Island, Greece, pp.460-465.
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102. Sakellariadou F, Haralambides L and Maroulakou M, 2000. Geochemical investigations in sediment samples collected from the ports of Lavrio and Rafina, East Attiki. *Proceedings of*

- the 5th International Conference on Environmental Pollution, 28/8-1/9/2000, Thessaloniki, pp. 741-748.
103. Pardali A and Sakellariadou F, 2000. Effective port production and environmental protection. The case of the Piraeus port. *Proceedings of the 2nd Hellenic Conference on Port Engineering*, pp. 433-438, 20-23 November, Athens, (in Greek).
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IX. Invited speeches

1. Speech at the 4th ERASMUS+ International staff week "New digitalization era, European neighbors and diversity & inclusion" 18 – 22 July 2022, Peace and Friendship stadium, Greece. Round Table: Sustainable Blue Economy.
2. Speech at the Blue Wave Week Montenegro 2022, "How can education boost Sustainable Blue Economy?" (9/6/2022).
3. Speech at the PIRAEUS Blue Hackathon Day, The challenges for the sustainable blue economy" (1.6.2022).
4. Speech on "Sustainable Blue Economy and STEM fields. The role of IUPAC", (21.5.2022).
5. Speech at the BLUEAIR Launch event, "Best practices that support a sustainable blue economy" (16.11.2021).
6. Speech at the 17th NAVIGATOR 2017 – *The Shipping Decision Makers Forum*. HELLAS LIBERTY, Piraeus (3/11/2017).
7. Speech on "Shipping and education – Challenges and perspectives of Universities", *Propeller Clubs of Italy and Greece*, Piraeus, (24/4/2017).
8. Speech on "Shipping and Sustainable Development", *2nd Interdisciplinary Conference on "Moral Values, Society and Scientific Research"*, Piraeus (14/11/2016).
9. Speech on the *Anniversary of the Independence of Panama*. Organized by the Embassy of Panama, Municipal Art Gallery of Piraeus (30/11/2015).
10. Speech on "Piraeus, Sea and Shipping: Seeking vision for the future." At the event *European Day of Sea*. Organized by the Municipality of Piraeus (29/5/2015).
11. Speech at the *3rd Maritime Trends Conference*. Athens (12/5/2015).
12. Speech on "Maritime Spatial Planning and environment: From institutionalisation to implementation at local level and in cross-border areas". At the event *Integrated development through land-sea interaction: Dimensions and prospects of blue growth in Europe and Greece*. Organized by the National Contact Point EPSON (11/11/2014).

X. Teaching experience

- Undergraduate students: Oceanography; Pollution and Shipping; Integrated Coastal Zone Management
 - Postgraduate students: Environment and Shipping; Integrated Coastal Zone Management – Marine Spatial Planning; Sustainable blue economy; Shipping Pollution; Marine Pollution; Blue growth and management of coastal zones; Environment in shipping and port services.
 - Summer school
- "Global Ocean: Opportunities and Challenges", The Association of Greek Physicists, *Aegina Island*, June 2022.
 - "Marine Chemistry", *The dynamic & management of the Mediterranean marine environment*, TEI of Ionian islands, Univ. of the Aegean, Univ. of Piraeus, and National Marine Park of Zakynthos, *Zakynthos*, August 2012.
 - "Marine Pollution in the Mediterranean Region", *The Dynamic & management of the Mediterranean marine environment*, TEI of Ionian islands, Zakynthos, July 2011.
- E-learning: "Prevention and Management of the Marine Pollution (in Greek)" and "Management of the Coastal Zone" (in Greek).

XI. Supervision of

- 4 PhD theses and 50 MSc theses, Dept of Maritime Studies, University of Piraeus, Gr.
- 1 MSc thesis, Dept of Economics and Business Studies, University of Genoa, Italy.

XII. PhD examiner of

11 theses, Univ. of Piraeus and 2 theses, National and Kapodistrian Univ. of Athens.

XIII. European participation as national expert

National expert in EEC (CORINAIR expert group) in atmospheric emissions issues, 1989-2003.

XIV. Sabbatical

Dip. Biologia e Chimica Agroforestale e Ambientale, Facolta di Agraria, Universita di Bari, Italy , 1/3/2009-31/8/2009.

XV. Reviewer, in

1. Peer reviewer nominated for chapter 11 of *The Second World Ocean Assessment*, Volume II, United Nations, 2021. ISBN: 978-92-1-1-130422-0
2. Soil and Sediment Contamination. An International Journal
3. Fresenius Environmental Bulletin.
4. Environmental Monitoring and Assessment.

XVI. Member of Editorial Board

Journal of Marine Science Research and Oceanography, ISSN: 2642-9020

XVII. Research proposals evaluator

- Project Coordinator at Division VI, Chemistry and the Environment of the International Union of Pure and Applied Chemistry, a member of the International Council of Scientific Unions (2018- present).
- Black Sea ERA.NET (2011)
- Ministry of Development, Operational Program "Competitiveness and entrepreneurship, ESPA (2010)

XVIII. IUPAC projects

Task group chair

- *The role of mega ports in climate change*, 2022-2023, <https://iupac.org/project/2021-026-3-600>
- *Seabed mining and Blue growth: Exploring the potential of the marine mineral deposits as a sustainable source of Rare Earth Elements*, 2019-2023, <https://iupac.org/project/2018-039-3-600>
- *Management of maritime pollutants in shipping and commercial European ports based on relevant physical and biogeochemical environmental parameters*", 2011-2015, <https://iupac.org/project/2010-028-3-600>

Task group member

- Development of four environmental chemistry and sustainability symposia for the "Chemistry for sustainability" thematic programme in 48th world chemistry congress, Montreal 2021.
- The Environment, Health, and Food Safety Impact of Microplastics, 2019-2023.
- The Global Scenario and Challenges of Radioactive Waste in the Marine Environment, 2021-2024.
- Minimising environmental impacts of tyre and road wear particles, 2022-2025.
- Carbon Sequestration I: Harmonizing carbon sequestration measurement – what does it mean and how we do it, 2022-2025.
- Gold Book Update of Terms for Chemistry and the Environment, 2022-2024.

XIX. Project contractor

- "Blue Growth Piraeus 2023", Municipality of Piraeus, Gr.
- "Unlock the Green value of Blue Economy, Blue Hackathon Day", 2022, Municipality of Piraeus, Gr.
- "Plan and implementation services of the innovation competition Blue Growth Piraeus", 2020, Dept of Entrepreneurship and Blue Growth, Municipality of Piraeus, Gr.

XX. Scientific Conferences Committees (Co-chairing, Member of Scientific Committees), Member of Organizing Committees): 16 in total

XXI. Other

IUPAC, GWB: Greek representation, 2019, 2020, 2021, 2022, 2023.

Coordinator:

Young Executives Shipping Forum. Posidonia, 2016, 2018.

ESPON, "Integrated development through land-sea interaction: dimensions and perspectives of Blue Growth in Europe and in Greece, 11/2014, Piraeus, Gr