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1. Education

1978-1982: Aristotelion University of Thessaloniki, Greece. Faculty of Physics and Mathematics, Department of Biology. Awarded B.Sc. in Biology (July 1982). Recipient of the annual government scholarship throughout this time period.

1982-1983: Graduate scholarship from the Greek Nuclear Research Commission. Biology Department, Nuclear Research Center "Democritos", Athens, Greece. Phytoplankton Ecology Laboratory.

1983 - 1985: University of California, San Diego, U.S.A. Scripps Institution of Oceanography, graduate fellowship at the Dept. of Biological Oceanography and Research Assistant in Marine Biology. Awarded M.Sc. in Oceanography (December 1985).

1987 - 1992: University of Crete, Greece. Department of Biology. Institute of Marine Biology of Crete (IMBC). Awarded Ph.D. in Marine Biology (June 1992).

2. Employment record

1983 - 1985: Graduate research assistant of the Marine Biology Dept. at the Scripps Institution of Oceanography, University of California, San Diego, USA.
1986 – 1992: Research Assistant at the Research Center of Crete (until 1988). Associate Researcher at the Institute of Marine Biology of Crete-IMBC (1989 onwards).
1993 - 2002: Senior Researcher and leader of the Oceanography Department of the IMBC.
2002 - 2006: Research Director and leader of the Oceanography Department of the HCMR-Crete.
2006 - 2022: Professor of Marine Environment at the Department of Maritime Studies of the University of Piraeus.
2023 - : Professor of Marine Environment at the Department of Biology of the University of Crete.

3. Main scientific interests

- productivity of marine ecosystems
- deep-sea research
- influence of aeolian transfers (including Sahara dust) on the functioning of the Med. Sea
- climate change and its impact on the marine environment
- structure and function of oligotrophic ecosystems
- vertical, seasonal and interannual variability in the chemical structure of the water-column in stratified oligotrophic pelagic ecosystems
- determination and quantification of the various modes of energy flux to the benthic communities in the oligotrophic E. Mediterranean Sea
- shelf, slope exchange processes
- benthic response to organic falls
- pelagic-benthic coupling mechanisms

- benthic community structure, biodiversity and energetic requirements
- microbial diversity of extreme environments
- development of deep-sea technology platforms
- sustainable and integrated management of the marine environment
- main geographical areas of experience are the Mediterranean Sea and to a lesser extent the Pacific and Atlantic Oceans
    - type of data collected include: marine aspects of biology, ecology, physical/chemical oceanography, coastal environment and deep-sea

4. Teaching experience

I have, more or less, been teaching at a high Academic level since 1987. More specifically, I have taught in several Greek Universities (Univ. of Crete, Aristotelion Univ. of Thessaloniki, Univ. of the Aegean, University of Athens, and University of Piraeus) and as an invited speaker in Universities or Research Institutes abroad (Scripps-UCSD, Univ. of Barcelona-CSIC, NOC Southampton, Univ. of Genova, Univ.of Ancona, World Maritime University, Marine Biological Laboratory-, Univ. of Aberdeen, Seckengberg Museum of Natural History in Frankfurt, Univ. of Oldenburg, IFREMER, GEOMAR etc.). I have recently been teaching a number of undergraduate courses (Marine Biology and Ecology, Sustainable Management of Marine Resources, Ocean Governance, Animal Biodiversity, Deep-Sea Biology), as well as two graduate courses, Protection of the Marine Environment and Marine Environmental Legislation at the University of Piraeus, as well as Deep-Sea Ecology at the Universities of Athens and Crete. In the recent past, I have also taught courses such as Research Methodology, Evolutionary Ecology, Invertebrate Zoology and Benthic Ecology. I have thus, through the years, acquired extensive teaching experience. My relations with the students are productive and fruitful, and my student evaluation score testifies to this (near excellent, mean score of 4.2/5 from a total of >1000 student evaluation forms). A have supervised the completion of a plethora (>70 since 2006) of Masters Theses of the Maritime Department of the University of Piraeus, and supervised and supported a number of Phd dissertations in several Greek Universities and abroad (Univ. of Marseille, Univ. of Aberdeen, Univ. of Oldenburg).

5.Admistrative and research experience

From 1993-2006, I was the leader of the Oceanography Department of the Institute of Marine Biology of Crete (IMBC) that evolved into the Hellenic Center for Marine Research in Crete (HCMR-Crete). I was also the President of the Scientific Council of the IMBC from 1998-2003, during its impressive expansion phase (construction of the Aquarium-Thalassokosmos, new Aquaculture building and new main Research building of the Institute of Marine Biology of Crete). I have thus contributed to the founding of IMBC and its establishment as an Institute of excellence in research.
During the past 37 years I have been involved (in most cases as a coordinator or senior partner and member of the steering committee) in a variety of research projects (CINCS: 1993-1996 coordinator, SEEPS: 1993-1996 main partner, MATER: 1996-1999 regional coordinator, ALIPOR: 1999-2002 main partner, DESEAS: 2000-2003 main partner, INTERPOL: 2001-2003 biology coordinator, CYCLOPS: 2001-2004 regional coordinator, ADIOS:2001-2004 regional coordinator, BIODEEP:2001-2004 regional coordinator, ESONET:2002-2005 regional coordinator, ESONET-NoE:2006-2010 regional coordinator, ANREC:2003-2006 main partner, HERMES:2008-2011 regional coordinator, HERMIONE:2010-2013 subcontractor, REDECO:2010-2013 partner, ESFRI-EMSO: 2011- main partner, AEGEAN-Martech: 2013-2016 main partner.), most of which were funded by the EU. The cumulative budget from all the above projects exceeded 7.5 million euros. Since 1987 I have been collaborating with the Senckenberg Museum of Natural History in Frankfurt (PI: Dr. Michael Turkay) in an attempt to investigate the dynamics of the deep-sea Ecosystem of the Eastern Mediterranean Sea. Overall, we have organized 6 large-scale oceanographic expeditions with the R/V METEOR (1987, 1993, 1997, 2003, 2006, and 2009). I have been the chief scientists in more than 45 oceanographic cruises and have completed several dives with various submersibles (ALVIN, JAGO, THETIS) to depths exceeding 4000 m. I have also worked on most major world oceans

(Pacific, Atlantic and Arctic) and of course in the Mediterranean Sea, accumulating a total of more than six years of shiptime.
I have been the Greek representative to the EU Marine Science and Technology Committee and a member of the steering committee of the Mediterranean Targeted Project (MTP, 1993-1996). I have been and am a member of several professional bodies, scientific and consultation committees (ASLO, CIESM, MAST-COM, ECOPS/ESF, CoML etc.) and have acquired extensive administrative experience both as a research scientist, a professor and a science administrator. From 2008-2010 I was a member of the advisory committee of the Marine Observation and Data Expert Group (MODEG) of DG MARE that evolved into EMODNET. Since 1994, I have been and still am an evaluator of EU and National projects, an independent observer of the Environment Research Program and a member of several other advisory groups to DG Research. In 2008, I was appointed by the Ministry of Transportation and Environment of Cyprus, as the scientist responsible for drafting the environmental review study regarding the deep-sea benthic environment of the EEZ of Cyprus. Since 2014, I am an evaluator of the Foundation of Science and Technology programs of Portugal.
At an academic level, I have been a member of the Steering Committee of the graduate program "MSc in Maritime Studies" and a member of the Governing Board of the Research Center of Piraeus. I have also been a member of the Quality Assurance Committee and President of the Acquisition Committee of expensive scientific laboratory equipment of the University of Piraeus. I was recently (2018-2021) the director of the graduate program "MSc in Shipping Management" of the Maritime Department of the University of Piraeus as well as the Scientific Coordinator of the Erasmus Students exchange program. A have supervised the completion of a plethora (>70 since 2006) of Masters Theses of the Maritime Department, as well as the scientific responsible of several Phd's, and a member of many Phd evaluation committees in several Greek Universities. I have also been the responsible or member of the Steering Committees of several international symposia.

6. Publications (selection of articles)

- **Tselepides, A.** & Eleftheriou, A. (1992). South Aegean (Eastern Mediterranean) continental slope benthos: macroinfaunal-environmental relationships. In *Deep-Sea Food Chains and the Global Carbon Cycle*, pp.139-156. Ed. G.T. Rowe & V. Pariente. Kluwer Academic Publ., Netherlands.
- **Tselepides, A.,** Psarra, S., Christaki, U., Duineveld, G., Niewland, G., Danovaro, R., Chronis, G. and V. Lykoussis (1996). Does pelagic-benthic coupling occur in the oligotrophic Cretan Sea (NE Mediterranean)? Eos Trans. AGU, 77 (3), Ocean Sciences Meet. Suppl., OS 93.
- Boetius A., Scheibe S., **Tselepides A.** and H. Thiel (1996). Microbial biomass and activities in deep-sea sediments of the Eastern Mediterranean Sea: unusual accumulations in abyssal trenches. *Deep-Sea Res., vol. 42, No. 9, pp. 1439-1460*.
- **Tselepides A.**, Chronis G., de Wilde P., Duineveld G., Rice A., Bett B., Wassman P., Della Croce N., Danovaro R. and A. Eleftheriou (1997). Pelagic-benthic coupling in the oligotrophic Cretan Sea. In: Interdisciplinary Research in the Mediterranean Sea. A synthesis of scientific results from the Mediterranean targeted project (MTP) phase I (1993-96), E. Lipiatou (ed.). Research in enclosed seas series – 1, pp. 253-296.
- Danovaro R., Dinet A., Duineveld G., & **Tselepides A.** (1999). Benthic response to particulate fluxes in different trophic environments: a comparison between the Gulf of Lions-Catalan Sea (western – Mediterranean) and the Cretan Sea (eastern-Mediterranean). *Prog. Oceanog., vol. 44, (1-3), 287-312.*
- **Tselepides A.,** Papadopoulou N., Podaras D., Plaiti W. & Koutsoubas D. (2000). Macrobenthic community structure over the continental margin of Crete (South Aegean Sea, NE Mediterranean). *Prog. Oceanog., vol. 46, (2-4), 401-428.*
- **Tselepides A.**, Polychronaki T., Marrale D., Akoumianaki I., Dell' Anno A., Pusceddu A. & Danovaro R. (2000). Organic matter composition of the continental shelf and bathyal sediments of the Cretan Sea (NE Mediterranean). *Prog. Oceanog., vol. 46, (2-4), 311-344.*

- **Tselepides A.,** Zervakis V., Polychronaki T., Danovaro R. & Chronis G. (2000). Distribution of nutrients and POM in relation to the prevailing hydrographic features of the Cretan Sea (NE Mediterranean). *Prog. Oceanog., vol. 46, (2-4), 113-142.*
- Psarra S., **Tselepides A.** and Ingnatiades L. (2000). Primary productivity in the oligotrophic Aegean Sea (NE Mediterranean): seasonal and interannual variability. *Prog. Oceanog., vol. 46, (2-4), 187-204.*
- Duineveld G., **Tselepides A.**, Witbaard R., Bak R. P. M., Berghuis E. M., Nieuwland G., van der Weele J. and A. Kok (2000). Benthic-pelagic coupling in the oligotrophic Cretan Sea. *Prog. Oceanog., vol. 46, (2-4), 457-480.*
- Turley C. M., Bianchi M., Christaki U., Conan P., Harris J. R. W., Psarra S., Ruddy G., Stutt E. D., **Tselepides A.** and Van Wambeke F. (2000). Relationship between primary producers and bacteria in an oligotrophic sea-the Mediterranean and biogeochemical implications. *Marine Ecol. Prog. Series, 193, 11-18.*
- Kouvarakis G., Michalopoulos N., **Tselepides A**. & Staurakakis S. (2001). On the importance of atmospheric inputs of inorganic nitrogen species on the productivity of the Eastern Mediterranean Sea. *Global Biogeochemical Cycles, vol. 15, no. 4, 805-817.*
- Danovaro R., Dell' Anno A., Fabiano M., Pusceddu A. & **Tselepides A.** (2001). Deep-sea ecosystem response to climate changes: the Eastern Mediterranean case study. *TRENDS in Ecology & Evolution vol. 16, no. 9, 505-510.*
- Lykousis V., Chronis G., **Tselepides A.**, Theocharis A., Price B., Ignatiades L., Siokou-Frangou I., Stavrakakis S., Wambeke F. V., Danovaro G., Georgopoulos D. and Souvermezoglou A. (2002). Major outputs of the recent multidisciplinary biogeochemical reseach in the Aegean Sea. *J. Mar. Systems, 33-34, 313-334.*
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- **Tselepides A.** and Lampadariou N. (2004). Deep-sea meiofaunal community structure in the Eastern Mediterranean: are trenches benthic hot spots? Deep-Sea Res., 51, 833-847.
- **Tselepides A.,** Lampadariou N. & Hatziyanni E. & (2004). Distribution of meiobenthos at bathyal depths in the Mediterranean Sea. A comparison between sites of contrasting productivity. *Scientia Marina 68 (suppl. 3), 39-51.*
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- Lampadariou N. & **Tselepides A**. (2006). Spatial variability of meiofaunal communities at areas of contrasting depth and productivity in the Aegean Sea (NE Mediterranean). *Progr. Oceanogr. 69, 19-36.*

- Polymenakou P., **Tselepides A.**, Stephanou E. & Bertilsson S. (2006). Carbon speciation and composition of natural microbial communities in polluted and pristine sediments of the Eastern Mediterranean Sea. *Marine Pollution Bulletin, 52, 1396-1405.*
- Buhring S.I., Lampadariou N., Moodley L., **Tselepides A**. & Witte U. (2006). Benthic microbial and whole –community responses to different amounts of C-13 enriched algae: in situ experiments in the deep Cretan Sea (Eastern Mediterranean). L & O, vol. 51, no. 1, 157-165.
- Polymenakou P., Stephanou E., **Tselepides A.** & Bertilsson S. (2007). Organic matter preservation and microbial community accumulations in Deep-Hypersaline Anoxic Basins. *Geomicrobiology Journal, 24, 19-29.*
- **Tselepides A**., Lampadariou N. & Polymenakou P. (2007). Benthic community structure and function of the deep Eastern Mediterranean Sea. *Rapp. Comm. Int. Mer Medit*., 38.
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- Larkin K. E., Ruhl H. A., Bagley P., Benn A., Bett B. J., Billett D. S. M., Boetius A., Chevaldonne P., Colaco A., Copley J., Danovaro R., Escobar-Briones E., Glover A., Gooday A. J., Hughes J. A., Kalogeropoulou V., Kelly-Gerreyn B. A., Kitazato H., Klages M., Lampadariou N., Lejeusne C., Perez

T., Priede I. G., Rogers A., Sarradin P.M., Sarrazin J., Soltwedel T., Soto E. H., Thatje S., **Tselepides A.**, Tyler P. A., van den Hove S., Vanreusel A. & Wenzhofer F. (2009). Benthic biology time series in the deep-sea: indicators of change. OceanObs'09 – Community White Paper (http://www.oceanobs09.net).

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7. Additional information

7a. Publication record

Overall, the results of my research have been presented in more than 220 articles and conference proceedings of which 83 publications in high quality international journals. These have collectively received more than **6000** citations and my current **h-index is 41**.
It is also fair to say that I was one of the first to establish research in the biology and ecology of the deep Eastern Mediterranean, and pioneer in answering basic questions such as what is the primary productivity in the offshore waters of the E. Mediterranean, what are the organic matter fluxes to the deep and how do deep sea benthic communities respond to this input, as well as how do benthic communities fluctuate in time and space?
I have developed a laboratory at the Hellenic Center for Marine Research in Crete (HCMR-Crete) that possesses all the necessary sampling gear, equipment and benthic platforms that enable one to sample even the most remote environments of the Mediterranean Sea. Within 30 years, my lab has produced and supported financially 10 Phd and numerous MSc and BSc theses. I am proud to say that most of my students have evolved into very successful researchers and remain active members of an international community of marine scientists.

7b. Synoptic description of research identity

- SCOPUS Author ID 55903129100
- ORCID no. 0000-0002-7880-9091
- Participation in competitive EU projects: 17
- Total number of research projects: 37
- Publications in international journals with impact factor: 87
- Of which in very high impact journals (Science, Nature, TREE, PlOS one etc.): 6
- Publications in international journals without impact factor: 8
- Publications in conference proceedings with referees: >70
- Publications in books: 8
- Publications in conference proceedings without referees: >45
- Final research reports: 37
- Guest editor in international journals: 4
- Editor in conference proceedings and workshops: 12
- Participation in international symposia and conferences: >65
- Total number of citations in all the above (Google Scholar): >**6000**
- Total number of citations in all the above (Scopus) >**4800**
- Total number of citations in WOS (SCI) **>4000**
- Without self citations (Scopus) **>4200**
- Mean number of citations per paper **42**
- Mean number of citations per year (last 5 yrs in Scopus) **260**
- Mean number of citations per year (last 10 yrs in Google Scholar) **310**
- **H-index** **41**
- Number of Phd dissertations supported/or supervised: 11
- Number of MSc theses supervised: >72
- Research funds attracted (in meuro, 1993-2018): >**7.5**
- Cruise leader (number of expeditions): >45
- Number of submersible dives (ALVIN, JAGO, THETIS): 12