

CURRICULUM VITAE

THOMAS HASIOTIS PROFESSOR

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Education

1990: **B.Sc. in Geology**. University of Patras, Department of Geology.

2001: **Ph.D. in Marine Geology/Geophysics**. University of Patras, Department of Geology.

Ph.D. Dissertation Title: Geophysical prospecting and geotechnical conditions of submarine slopes in seismically active regions in Greece (with English abstract).

2003-2004: **Post-doctoral in Marine Geophysics/Geotechniques**. University of Patras, Department of Geology.

Dissertation Title: Marine geophysical prospecting in the evaluation of sediment geotechnical parameters. Application in submarine power and telecommunication cable laying and burial.

Professional positions

2025 – today Professor (2024-2019 Associate Professor, 2019-2010 Assistant Professor, and 2010-2006 Lecturer) in the Department of Marine Sciences of the University of the Aegean, Mytilene, Lesvos

2020 – 2024: Director of the Post-graduate research program “Integrated Coastal Zone Management”.

2020 – today: Member (for 2/2021 vice-president) of the Research Account of the University of the Aegean

2007 – today: Scientific co-ordinator in 37 research projects managed by the Research Unit of the University of the Aegean

2002 – 2006: Geophysicist/Geologist in the Hellenic Ministry of Agriculture, Department of Technical Geology and Geophysics.

2002 – 2006: Teaching Assistant in Oceanography in the Dept. of Aquaculture and Fishing Technology of the Technological Educational Institute of Thessaloniki.

2002 - 2005: Teaching Assistant in Technical Geology in the Dept. of Civil Engineering of the Technological Educational Institute of Patras.

1990 - 2002: Research and Teaching Assistant in the Laboratory of Marine Geology & Physical Oceanography of the Geology Dept. of the University of Patras (contracts through the Research Committee of the University of Patras).

1993 - 2006: Consultant marine geophysicist/geologist in Akti Engineering for various power and telecom cable links, pipeline route surveys and harbor survey works.

2000: Consultant marine geophysicist/geologist of the GEOLAB S.r.l. (Italy) for the Italy-Greece submarine fiber optic link (laying and burial).

7/1998 - 10/1998: Contract with the SACLANT Undersea Research Centre (N.A.T.O.), in La Spezia (Italy), as a Summer Research Assistants in the Environmental Research Division - Fine Scale Acoustics & Oceanography Group.

Research interests

- Recent sedimentation processes in coastal to deep water environments.

- Coastal erosion and morphodynamics
- Marine geohazards (gas in sediments and pockmarks, submarine mass movements, faults, current-induced bedforms, diapirism etc) and their consequences in coastal and offshore works (submarine power and telecommunication cables, pipelines, ports etc).
- Habitat mapping.
- Surveys/studies for marine aggregate resources.
- Seismic stratigraphy and sea-level changes during the Quaternary.
- Marine geotechnical properties and submarine slope stability.
- Marine geo-archaeological studies.

Teaching experience

Undergraduate courses

- (i) Geoenvironment and Oceanography (1st semester)
- (ii) Marine Sedimentology (3rd semester)
- (iii) Applied Marine Geology (6th semester)
- (iv) Coastal and Submarine Applications (8th semester)

Post-graduate courses:

- (i) *Coastal Geohazards*, in MSc Programme “Integrated Coastal Zone Management”.
- (ii) *Field methods, data analysis, and models in Marine Sciences*, in MSc Programme “Research in Marine Sciences”.

Dissertation Supervision

Supervisor of 48 BSc dissertations, 19 MSc dissertations and 2 PhD theses (all completed). Two (2) PhD theses are in progress. Also, member in numerous dissertation/theses evaluation committees.

Other relevant information

- Grant award from the State Scholarships Foundation (IKY) for PhD studies (1991-1993).
- Grant award from the State Scholarships Foundation (IKY) for Post-Doctoral studies (2003).
- Reviewer of scientific articles submitted to international journals (e.g. Marine Geology, Geo-Marine Letters, Mediterranean Marine Science, Sedimentology, Bulletin of the Geological Society of Greece) and International and Greek Conferences.
- Member of University and Departmental evaluation committees

Publications

Ph.D. dissertation

Geophysical prospecting and geotechnical conditions of submarine slopes in seismically active regions in Greece (in Greek with English abstract), Geology Dept. University of Patras, 263 pp and 3 Appendices.

A. International Scientific Journals and Books

- A.01. Papatheodorou, G., **Hasiotis, T.** and Ferentinos, G., (1993). Gas charged sediments in the Aegean and Ionian Seas, Greece. *Marine Geology*, 112: 171-184.

- A.02. **Hasiotis, T.**, Papatheodorou, G., Kastanos, N., and Ferentinos G., (1996). A pockmark field in the Patras Gulf (Greece) and its activation during the 14/7/93 seismic event. *Marine Geology*, 130: 333-344.
- A.03. Lyons, A.P., Fox, W.L.J., **Hasiotis, T.** and Pouliquen, E. (2002). Characterization of the two-dimensional roughness of wave-rippled seafloors using digital photogrammetry. *I.E.E.E. Journal of Oceanic Engineering*, 27(3): 515-524.
- A.04. **Hasiotis, T.**, Papatheodorou, G., Bouckovalas, G., Corbau, C. and Ferentinos, G. (2002). Earthquake-induced coastal sediment instabilities in the western Gulf of Corinth, Greece. *Marine Geology*, 186: 319-335.
- A.05. **Hasiotis, T.**, Papatheodorou, G. and Ferentinos, G. (2002). A string of large and deep gas-induced depressions (pockmarks), offshore Killini peninsula, western Greece. *Geo-Marine Letters*, 22(3): 142-149.
- A.06. **Hasiotis, T.**, Papatheodorou G. and Ferentinos, G. (2005). A high resolution approach in the recent sedimentation processes at the head of Zakynthos canyon, western Greece. *Marine Geology*, 214: 49-73.
- A.07. **Hasiotis, T.**, Charalampakis, M., Stefatos, A., Papatheodorou G. and Ferentinos, G. (2006). Fan delta development and processes offshore a seasonal river in a seismically active region, in the NW Gulf of Corinth. *Geo-marine Letters*, 26(4): 199-211.
- A.08. Charalampakis, M., Stefatos, A., **Hasiotis, T.** and Ferentinos, G., (2007). Submarine mass movements on an active fault system in the central Gulf of Corinth. In: *Submarine Mass Movements and Their Consequences* (eds. V. Lykousis, D. Sakellariou, J. Locat) – *Advances in Natural and Technological Hazard Research Series*, Springer, 27: 67-75.
- A.09. **Hasiotis, T.**, Papatheodorou, G., Charalampakis, M., Stefatos, A. and Ferentinos, G., (2007). High frequency sediment failures in a submarine volcanic environment: The Santorini (Thera) basin in the Aegean Sea. In: *Submarine Mass Movements and Their Consequences* (eds. V. Lykousis, D. Sakellariou, J. Locat) – *Advances in Natural and Technological Hazard Research Series*, Springer, 27: 309-316.
- A.10. **Hasiotis, T.**, Papatheodorou, G. and Ferentinos, G., (2007). Sediment stability conditions west of Milos island, west Hellenic Volcanic Arc. In: *Submarine Mass Movements and Their Consequences* (eds. V. Lykousis, D. Sakellariou, J. Locat) – *Advances in Natural and Technological Hazard Research Series*, Springer, 27: 317-324.
- A.11. Ferentinou, M., **Hasiotis, T.** and Sakellariou, M., (2010). Clustering of geotechnical properties of marine sediments through self-organizing maps: an example from the Zakynthos Canyon-Valley system, Greece. In: *Submarine Mass Movements and Their Consequences* (eds. Mosher, D.C., Shipp, R.C., Moscardelli, L., Chaytor, J.D., Baxter, C.D.P., Lee, H.J., Urgeles, R.) – *Advances in Natural and Technological Hazard Research Book Series*, Springer, 28: 43-54, DOI 10.1007/978-90-481-3071-9, Springer, The Netherlands.
- A.12. Ferentinou, M., **Hasiotis, T.** and Sakellariou, M., (2012). Application of computational intelligence tools for the analysis of marine geotechnical properties in the head of Zakynthos Canyon, Greece. *Computers & Geosciences*, 40: 166-174.
- A.13. Monioudi I., Karditsa A., Chatzipavlis A., Alexandrakis G., Andreadis O., Velegrakis A., Poulos S., Ghionis G., Petrakis S., Sifnioti D., **Hasiotis T.**, Lipakis M., Kampanis M., Karambas Th., Marinos E., (2014). Assessment of vulnerability of the eastern Cretan beaches (Greece) to sea level rise. *Regional Environmental Change*, 16: 1951-1962, DOI 10.1007/s10113-014-0730-9.
- A.14. Velegrakis, A., Trygonis, V., Chatzipavlis, A., Karambas, Th., Vousdoukas, M., Ghionis, G., Monioudi, I., **Hasiotis, T.**, Andreadis, T. and Psarros, F., (2016). Shoreline variability of an urban beach fronted by a beachrock reef from video imagery. *Natural Hazards*, DOI 10.1007/s11069-016-2415-9.
- A.15. **Hasiotis, T.** and Katsanevakis, S., (2016). Deepest record of Caulerpa Cylindracea in the Mediterranean. In Dailianis et al., *New Mediterranean Biodiversity Records* (July 2016), p.616. *Mediterranean Marine Science* (collective article), 17/2: 608-626, doi: 10.12681/mms.1734.
- A.16. Monioudi I., Velegrakis A., Chatzipavlis A., Rigos A., Karambas Th., Vousdoukas M., **Hasiotis T.**, Koukouroufli N., Peduzzi P., Manoutsoglou E., Poulos S., Collins M., (2017). Assessment of island beach erosion due to sea level rise: The case of the Aegean Archipelago (Eastern Mediterranean). *Nat. Hazards Earth Syst. Sci.*, 17: 449-466, doi: 10.5194/nhess-17-449-2017.
- A.17. Sini M, Katsanevakis S, Koukouroufli N, Gerovasileiou V, Dailianis T, Buhl-Mortensen L, Damalas D, Dendrinou P, Dimas X, Frantzis A, Gerakaris V, Giakoumi S, Gonzalez-Mirelis G, **Hasiotis T**, Issaris Y, Kavadas S, Koutsogiannopoulos DD, Koutsoubas D, Manoutsoglou E, Markantonatou V, Mazaris A,

- Poursanidis D, Papatheodorou G, Salomidi M, Topouzelis K, Zotou M., (2017). Assembling ecological pieces to reconstruct the conservation puzzle of the Aegean Sea. *Frontiers in Marine Science*, 4: 347, doi 10.3389/fmars.2017.00347
- A.18. Kontogeorgos, I., Tzoraki, O., Moutafis, N., **Hasiotis, T.** and Velegrakis, A. (2017). Methodological framework to estimate the coastal sediment supply of the island beaches. *European Water*, 57: 261-266.
- A.19. Manoutsoglou E., **Hasiotis T.**, Kyriakoudi D., Velegrakis A. and Lowag J., (2018). Puzzling micro-relief (mounds) of a soft-bottomed, semi-enclosed shallow marine environment. *Geo-Marine Letters*, 38: 359-370, doi.org/10.1007/s00367-018-0539-5.
- A.20. Tsatiris, A., Papadopoulos, V., Makri, D., Topouzelis, K., Manoutsoglou, E., **Hasiotis, T.**, Katsanevakis S., (2018). Spatial distribution, abundance and habitat use of the endemic Mediterranean fan mussel *Pinna nobilis* in the Gera Gulf, Lesvos (Greece): comparison of design-based and model-based approaches. *Mediterranean Marine Science*, doi: <http://dx.doi.org/10.12681/mms.14156>.
- A.21. Chatzipavlis, A., Tsekouras G., Trygonis V., Velegrakis A., Tsimikas J., Rigos A., **Hasiotis T.**, Salmas C., (2018). Modeling of beach realignment using a neuro-fuzzy network optimized by a novel backtracking search algorithm. *Neural Computing and Applications*, <https://doi.org/10.1007/s00521-018-3809-2>.
- A.22. **Hasiotis T.**, Gazis I-Z., Anastasatou M., Manoutsoglou E., Velegrakis A.F., Kapsimalis V., Karditsa A., Stamatakis M. (2020). Searching for potential marine sand resources to mitigate beach erosion in island settings. *Marine Georesources and geotechnology*, <https://doi.org/10.1080/1064119X.2020.1721623>.
- A.23. Panagou Th., Oikonomou E., **Hasiotis T.** and Velegrakis A., (2020). Shallow water bathymetry derived from green wavelength terrestrial laser scanner. *Marine Geodesy*, 43(5): 472-492, <https://doi.org/10.1080/01490419.2020.1737602>.
- A.24. Panagou Th., **Hasiotis T.**, Velegrakis A., Karambas Th., Oikonomou E., Dimitriadis C. (2020). Erosion status of a sea cliff promontory bounding an ecologically important beach. *Journal of Coastal Conservation*, 24:39 <https://doi.org/10.1007/s11852-020-00756-6>.
- A.25. Andreadis, O., Chatzipavlis, A., **Hasiotis, T.**, Monioudi, I., Manoutsoglou, E., Velegrakis, A. (2021). Assessment of and Adaptation to Beach Erosion in Islands: An Integrated Approach. *Journal of Marine Science and Engineering*, 9 (8), 859. <https://doi.org/10.3390/jmse9080859>.
- A.26. Joumar, N., Nabih, S., Chatzipavlis, A., Velegrakis, A. **Hasiotis, T.**, Tzoraki, O., Sittou El Messari, J.E., Benaabidate, L., (2023). A qualitative assessment of river plumes coupling SWAT model simulations and a beach optical monitoring system. *Hydrology*, 10, 38, <https://doi.org/10.3390/hydrology10020038>.
- A.27. Monioudi I., Velegrakis A., Chatzistratis D., Vousdoukas M., Savva Ch., Wang D., Bove G., Mentaschi L., Paprotny D., Morale-Napoles O., Chatzipavlis A., **Hasiotis T.**, Manoutsoglou E., (2023). Climate change-induced hazards on touristic island beaches: Cyprus, Eastern Mediterranean. *Frontiers in Marine Sciences*, 10:1188896, doi:10.3389/fmars.2023.1188896.
- A.28. Velegrakis A., Monioudi I., Tzoraki O., Vousdoukas M., Tragou E., **Hasiotis T.**, Asariotis R., Andreadis O., (2024). Coastal hazards and related impacts in Greece. In: Darques R, Sidiropoulos G, Kalabokidis K (eds), "The Geography of Greece. Managing Crises and Building Resilience". World Regional Geography Book Series. Springer, Cham, pp. 353-370, https://doi.org/10.1007/978-3-031-29819-6_21.
- A.29. Velegrakis A., Chatzistratis D., Chalazas T., Armaroli C., Schiavon E., Alves B., Grigoriadis D., **Hasiotis T.**, Ieronymidi E., (2024). Earth observation technologies, policies and legislation for the coastal flood risk assessment and management: a European perspective. *Anthropocene Coasts*, 7, 3, <https://doi.org/10.1007/s44218-024-00037-x>.
- A.30. Manoutsoglou E., **Hasiotis T.**, Velegrakis A., (2024). Holocene records of oyster reefs in a shallow semi-enclosed island embayment of the Aegean Sea. *Estuarine, Coastal and Shelf Science*, <https://doi.org/10.1016/j.ecss.2024.108781>.
- A.31. Chtouris K.N. and **Hasiotis T.**, (2024). Marine geotechnical research in Greece: a review of the current knowledge, challenges and prospects. *Journal of Marine Science and Engineering*, 12(10), 1708, <https://doi.org/10.3390/jmse12101708>.
- A.32. Lioupa V., Karsiotis P., Arosio R., **Hasiotis T.** and Wheeler A., (2024). A comparative crash-test of manual and semi-automated methods for detecting complex submarine morphologies. *Remote Sensing*, 16, 4093, <https://doi.org/10.3390/rs16214093>.

- A.33. Papasarafianou S., Siarkos I., Gkaifyllia A., Sahtouris S., Varra G., Chatzipavlis A., **Hasiotis T.**, Tzoraki O., (2024). A holistic approach for coastal-watershed management on tourist islands: a case study from Petra-Molyvos coast, Lesvos Island (Greece). *Geosciences*, 14, 326, <https://doi.org/10.3390/geosciences14120326>.
- A.34. Monioudi I., Chatzistratis D., Chalazas Th., Chatzipavlis A., Velegrakis A., Andreadis O., Monioudis E., Nikolaou A., **Hasiotis T.**, (2025). A prioritization framework for adaptation responses for climate change induced erosion in island beaches – Cases from the Aegean Islands, Greece. *Journal of Marine Science and Engineering*, 13, 491, <https://doi.org/10.3390/jmse13030491>.
- *A.35. Manoutsoglou E. and **Hasiotis T.**, (2025). Evidence of Holocene sea-level rise from buried oyster reef terrain in a land-locked insular embayment in Greece. *Geosciences*, 15, 105, <https://doi.org/10.3390/geosciences15030105>.
- A.36. Gkaifyllia A., Papasarafianou S., Chatzipavlis A., Dordevic N., Monioudi I., Tzoraki O., **Hasiotis T.**, (2025). Interaction between coastal socioeconomic and environmental activities for integrated management: case study East Mediterranean (Greece, Cyprus, Montenegro). *Euro-Mediterranean Journal for Environmental Integration*, <https://doi.org/10.1007/s41207-025-00776-4>.
- *A.37. Evagorou E., **Hasiotis T.**, Petsimeris I., Monioudi I., Andreadis O., Chatzipavlis A., Christofi D., Kountouri J., Stylianos N., Mettas Ch. Velegrakis A., Hadjimitsis D., (2025). A holistic high resolution remote sensing approach for mapping coastal geomorphology and marine habitats. *Remote Sensing*, 17, 1437. <https://doi.org/10.3390/rs17081437>.
- A.38. Christofi D., Mettas C., Evagorou E., Stylianos N., Eliades M., Theocharidis C., Chatzipavlis A., **Hasiotis T.**, Hadjimitsis D., (2025). A Review of Open Remote Sensing Data with GIS, AI, and UAV Support for Shoreline Detection and Coastal Erosion Monitoring. *Applied Sciences*, 15, 4771, <https://doi.org/10.3390/app15094771>.
- A.39. Daide F., **Hasiotis T.**, Nabih S., Taia S., Lahrach A., Koutsovili E.-I., Tzoraki O., (2025). Assessing Hydrological Alterations and Environmental Flow Components in the Beht River Basin, Morocco, Using Integrated SWAT and IHA Models. *Hydrology*, 12, 109, <https://doi.org/10.3390/hydrology12050109>.

B. International and Greek Scientific and Technical Journals

- B.1. Kenyon, N., Droz, L., Ferentinos, G., Palanques, A., Cronin, B., **Hasiotis, T.**, Millington, J., and Valensuela, G., (1993). Geological and geophysical investigations of Western Mediterranean deep sea fans: III. 2. Side scan sonar facies. *Unesco Reports in Marine Sciences*, vol. 62, pp. 32-51.
- B.2. Kenyon, N., Droz, L., Limonov, A., Ferentinos, G., Palanques, A., Ivanov, M., Cronin, B., **Hasiotis, T.** and Millington, J., (1993). Geological and geophysical investigations of Western Mediterranean deep sea fans: III. 3. Preliminary interpretation. *Unesco Reports in Marine Sciences*, vol. 62, pp. 91-99.
- B.3. Christodoulou, D., **Hasiotis, T.**, Stefatos, A., Papatheodorou, G. & Ferentinos, G. (2001). The applications of marine geophysics in the study of the geological/geotechnical conditions of the seafloor for the construction of harbours. *Technika Erga*, vol. 18, issue 174, pp.18-23 (in Greek).
- B.4. Christodoulou, D., **Hasiotis, T.**, Stefatos, A., Papatheodorou, G., Ferentinos, G., Tsavlis, E., Palaiokrasas, A. & Aslanidis N. (2002). The contribution of subbottom profiling techniques in the studies of widening and deepening navigational channels. *Technika*, issue 192, pp. 48-59 (in Greek).
- B.5. Chronis, A., **Hasiotis, T.** and Lowag, J., (2014). Relationship between gas-bearing sediments and biogenic mounds. *Hydro International*, November/December 2014, 22-25.

C. Proceeding volumes of International and Greek Conferences

- C.1. **Hasiotis, T.**, Papatheodorou, G. and Ferentinos, G., (1994). A pockmark field in the SE Patras Gulf and its activation during the 14/7/1993 earthquake. *Proceedings of the 7th Geological Society of Greece Congress*, v. XXX/5, pp. 251-262.
- C.2. **Hasiotis, T.**, Papatheodorou, G. and Ferentinos, G., (1997). Mass transport processes and slope stability analysis in the Zakynthos basin, Zakynthos Straits. *Proceedings of the 5th Symposium on Oceanography and fisheries*, v.1 pp. 407-410.
- C.3. Geraga, M., Tsaila-Monopolis, S., Tripsanas, E., Papatheodorou, G., Ferentinos, G., **Hasiotis, T.**, Seymour,

- K. & Ioakim, H., (1997). Paleoceanographic and paleoclimatic changes in Central Aegean Sea (Myrtoon Basin) during Holocene-Late Pleistocene. Preliminary results. Proceedings of the 5th Symposium on Oceanography and fisheries, v.1 pp. 213-216.
- C.4. **Hasiotis, T.**, Papatheodorou, G. and Ferentinos, G., (1997). Geological and man-made hazards surveying for laying of submarine cables in the Aegean and Ionian seas, Greece. In Marinou, P., Koukis, G., Tsiambaos, G. and Stournaras G. (eds): Proc. International Symposium on Engineering Geology and the Environment, organised by the International Association of Engineering Geology (I.A.E.G.), June 23-27, Athens, Greece pp. 693-700.
- C.5. Papatheodorou, G., **Hasiotis, T.**, Geraga, M., Lyberis, E., and Ferentinos, G., (1997). "Marine geophysical techniques for submarine archaeological purposes: two case studies from Nicoleika Beach (Helice) and Pylos Bay". In "Archaeometry Issues in Greek Prehistory and Antiquity", (eds) Y. Bassiakos, E. Aloupi, Y. Facorellis. Hellenic Society of Archaeometry and Society of Messenian Archaeological Studies Edition, Athens 2001, (based on the Proceedings of the 3rd Symposium of Archaeometry), pp. 139-156.
- C.6. Stefatos, A., Charalampakis, M., Papatheodorou, G., Ferentinos, G. & **Hasiotis, T.** (1998): Litter on the bottom of the Greek Seas – dimension and mitigation of the problem. *Proceedings of the Conference «Archipelagos Technologies»*, ISSN 11083751, Pireaus 22-24 October 1997, pp.355-362.
- C.7. Charalampakis, M., Stefatos, A., Papatheodorou, G., Ferentinos, G., Geraga, M. and **Hasiotis, T.** (1998): Detection and study of modern and historical shipwrecks – example from the Greek seas. *Proceedings of the Conference «Archipelagos Technologies»*, ISSN 11083751, Pireaus 22-24 October 1997, pp.173-189.
- C.8. Stefatos, A., Charalampakis, M., Papatheodorou, G., **Hasiotis, T.** & Ferentinos, G. (1998): A quantitative approach to basin infill processes deduced from analogue seismic data – An example from the Zakynthos basin, W. Greece. *Proceedings of the 8th International Congress of the Geological Society of Greece*, Patra, May 1998, vol. XXXII/4, pp. 243-253.
- C.9. **Hasiotis, T.**, Papatheodorou, G., Ferentinos, G. & Geraga, M., (1998). Marine geophysical prospecting as a tool for cable burial assessment studies – Case studies (A) Lagonisi-Milos-Hania telecom link and (B) Preveza-Corfu telecom link. *Proceedings of the 8th International Congress of the Geological Society of Greece*, Patra, May 1998, vol. XXXII/2, pp. 205-215.
- C.10. Papatheodorou, G., **Hasiotis, T.**, Tripsanas, E., & Ferentinos, G., (1998). Submarine gravitative mass movements along the Eratini/Tolofonas beach (NW Corinth Gulf) caused by the 6.1R earthquake in 1995. *Proceedings of the 8th International Congress of the Geological Society of Greece*, Patra, May 1998, vol. XXXII/4, pp. 283-293.
- C.11. Lyberis, E., Papatheodorou, G., **Hasiotis, T.**, & Ferentinos, G., (1998). Submarine faults within the active tectonic graben of the Gulf of Corinth. Four typical examples of modern tectonic control on morphology and sedimentation processes under the sea-level. *Proceedings of the 8th International Congress of the Geological Society of Greece*, Patra, May 1998, vol. XXXII/2, pp. 223-234.
- C.12. Papatheodorou, G., Stefatos, A., Charalampakis, M., Geraga, M., Iatrou, M., Kastanos, N., **Hasiotis, T.** & Ferentinos, G. (1999): Rational Management of Submarine Archaeological Areas – Navarino Bay (Pylos), An Object Lesson. *Proceeding of the 5th Hellenic National Geographical Conference*, Athens, pp. 632-644.
- C.13. Christodoulou, D., Stefatos, A., **Hasiotis, T.**, Papatheodorou, G. & Ferentinos, G. (2001): The applications of marine geophysics in the study of the seafloor geological/geotechnical conditions, for the construction of harbours. *Proceedings of the 4th Hellenic Conference of Geotechnical and Geoenvironmental Mechanics*, Vol. 1, pp. 243-250.
- C.14. **Hasiotis, T.**, Papatheodorou, G. and Ferentinos, G. (2001). Surficial mass movements and submarine slope stability analysis between Kerkyra and Paxi slope (western Greek slope). Proceedings of the 9th International Congress of the Geological Society of Greece, Athens 2001, v. 2, pp. 663-670.
- C.15. **Hasiotis, T.**, (2004). New evidence for the recent sedimentation processes at the head of Zakynthos canyon, western Greece. 5th International Symposium on Eastern Mediterranean Geology, 15-18 April, Thessaloniki, Greece, pp. 1341-1344.
- C.16. **Hasiotis, T.**, Charalampakis, M., Stefatos, A., Papatheodorou, G & Ferentinos, G., (2004). Subaqueous processes in the Eratini fan delta, NW Gulf of Corinth, Greece. 5th International Symposium on Eastern Mediterranean Geology, 15-18 April, Thessaloniki, Greece, pp. 1345-1348.

- C.17. Charalampakis, M., **Hasiotis, T.** and Stefatos, A., (2008). Geo-hazard in coastal areas. Case study: The Xylocaastro area in the Gulf of Corinth and the consequences due to a local tsunami impact. 4th Greek Congress in Coastal Zone Management and Improvement, Mytilene 23-27 September, pp. 405-414.
- C.18. Karambas, Th., Krestenitis, I., Sakellariou, D., **Hasiotis, T.** and Maliaros, D., (2008). Prevention and management of sea originated risks to the coastal zone (CORI-INTERREG III B / ARCHIMED): Tsunamis and flood risk. 4th Greek Congress in Coastal Zone Management and Improvement, Mytilene 23-27 September, pp. 597-606.
- C.19. Paleokrassas, A., Tsaviliris, E., Christoforou, G. & **Hasiotis, T.**, (2008). Multi-beam echosounder: the modern survey tool for mapping the coastal areas and marine installations. 4th Greek Congress in Coastal Zone Management and Improvement, Mytilene 23-27 September, pp. 647-658.
- C.20. Martsouka, F., **Hasiotis, T.**, Maneas, G. & Kostopoulou, M., (2009). Sediment distribution and sedimentary processes in the coastal zone of SE Lesvos island. Proceedings of the 9th Symposium on Oceanography and Fisheries, Patras 13-16 May, v. 1, pp. 202-207.
- C.21. Tsiridis, L., **Hasiotis, T.**, Triantaphyllou, M. & Kostopoulou, M., (2009). Preliminary results of benthic foraminifera distribution in the coastal zone of SE Lesvos, NE Aegean Sea. Proceedings of the 9th Symposium on Oceanography and Fisheries, Patras 13-16 May, v. 1, pp. 590-595.
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Research Projects

Since 1988 I have been employed as a marine geophysicist/geologist in a series of industry related projects. I have also participated in a variety of scientific research projects and offshore surveys. I have served duties in a lot of the fields of a marine survey: Consultant marine geophysicist/geologist, science project manager, on site chief scientist, survey planning, offshore data acquisition, offshore data processing, post survey data processing, data analysis and writing of technical reports.

Project Coordinator

- **2007:** Marine geophysical/geotechnical study for the laying of a submarine gas pipeline between Aliveri-Attica (Akti Engineering).
- **2008:** Marine geohazards evaluation for the laying of fiber optic cables between Rio-Antirio (Akti Engineering).
- **2008:** Geo-archaeological analysis of marine geophysical data for the construction of the submarine subway in Thermaikos Gulf (Akti Engineering).
- **2008:** Marine geohazards evaluation and burial feasibility of fiber optic cables between Evia-Andros-Tinos-Mykonos (Akti Engineering).
- **2010:** Seismic data and sediment core analysis for the installation and burial of a submarine fiber optic cable between Alexandroupoli and Samothraki (Akti Engineering).
- **2010:** Geohazards assessment and burial feasibility of submarine fiber optic cables in the north Cyclades, between Attiki and Kea Isl. and south Cyclades, between the islands Ios-Sikinos and Folegandros (Akti Engineering).
- **2010:** Protection of Lesvos beaches due to sea level rise (co-leader with Th. Karambas) (Prefecture of Lesvos).
- **2010:** Protection of kamiros beaches in Rodos isl –proposals against beach erosion (co-leader with Th. Karambas) (Municipality of Kamiros, Rodos isl).
- **2011:** Planning of the submarine power cable link between Skyros-Evia-Larymna (Akti Engineering).
- **2011:** Geomorphological and geotechnical study between Limnos-Samothraki and Kefallonia-Ithaki for the laying and burial of submarine fiber optic cables (Akti Engineering).
- **2011:** Marine geophysical/geotechnical study for the laying of submarine high voltage power cables between Attica and Evia (Akti Engineering).
- **2011:** Study of marine habitat types in the coastal area of Keri port (Zakynthos) (Region of Ionian Islands-Zakynthos Branch).
- **2012:** Geo-hazards evaluation for the laying of a submarine gas pipeline between Attica and Aliveri (Evia) (Akti Engineering).
- **2012:** Evaluation of climate change impacts on the sea-turtle nesting beaches of the National Marine Park of Zakynthos protected area (Management Agency of the National Marine Park of Zakynthos).
- **2012:** Marine geohazards assessment and burial feasibility of submarine power cables between Rafina

(Attica) and Karystos (Evia) (Akti Engineering).

- **2014:** Monitoring of habitats, plant communities, plant species and geo-environment in the National Marine Park of Zakynthos (Management Agency of the National Marine Park of Zakynthos).
- **2014:** Evaluation of marine geophysical and geotechnical data for the laying and burial of submarine power cables in Cyclades (Ag. Georgios-Lavrio and Tinos-Mykonos-Syros-Paros-Naxos) (Akti Engineering).
- **2015:** Marine geophysical survey for the safe laying of a submarine power cable between Lavrio and Syros) (Akti Engineering).
- **2017:** Marine geophysical / geotechnical study for the implementation of the Front End Engineering Design for the LNG Alexandroupolis project (Akti Engineering).
- **2018:** Paleo-coastline and submerged landscape reconstruction offshore south Lesvos Island HCMR).
- **2018:** Morphological study for the ADMIE submarine link between Paros-Naxos-Mykonos (Akti Engineering).
- **2018:** Marine geophysical survey at Kara-Tepe for the construction of the New Port of Mytilene (D. Papagianni Technical Office).
- **2019:** Marine geophysical and geotechnical study for the laying and burial of submarine power cables (400kV – ADMIE) between Rio-Antirio (Akti Engineering).
- **2019:** Marine geophysical study for the laying of submarine power cables (150kV – ADMIE) between Evia-Andros-Tinos (Akti Engineering).
- **2019:** Testing of a vertical integration approach for the study and adaptation to coastal erosion (MIS 5047143 - European Social Fund- ESF 2014-2020).
- **2019:** Cable route survey for the submarine links with fiber optic cables between Kymi-Skyros, Sifnos-Folegandros and Amorgos-Astypalaia-Kos (Akti Engineering).
- **2019:** ADMIE 150 kV submarine link Crete-Peloponnisos – Inshore survey (Akti Engineering).
- **2019:** Open sea anchorage for stowing of petroleum products (Terra Marine).
- **2020:** Desktop study and reconnaissance survey for the power cable link Lavrio-Serifos-Milos (Χρηματοδότηση: Akti Engineering).
- **2020:** Marine survey for the safe laying and burial of a high voltage power cable between Mantoudi and Skiathos (Χρηματοδότηση: Akti Engineering).
- **2020:** Nearshore geophysical surveys for ARIADNE ATTICA-CRETE DC Submarine Interconnection (LOT B CABLE) (Χρηματοδότηση: Akti Engineering).
- **2021:** Marine geophysical and geotechnical study for the Lavrio-Kafireas Transmission Line (150 kV AC submarine power link (Χρηματοδότηση: Akti Engineering).
- **2021:** Beach erosion due to climate change: evaluation and best mitigation practices in touristic beaches of North Aegean Islands and Cyprus – BEACHTECH (INTERREG V-A Greece-Cyprus 2014-2020).
- **2021:** Attica-Crete Interconnection (Lot A& D) – Geotechnical Desk Top Study (Akti Engineering).
- **2022:** Geophysical survey for the construction of new port infrastructures in Armenistis, Ikaria (Εταιρεία Μελετών Γεωεφαρμογές – Δ. Καραμανιώλας & ΣΙΑ Ε.Ε.).
- **2022:** Geotechnical Survey for the Independent Natural Gas System (ING-S-LNG Greece) offshore Alexandroupolis (Akti Engineering).
- **2022:** Survey of the physical conditions-geomorphology of Ag. Efimia port, Kefalonia (Municipality of Sami, Kefalonia).
- **2023:** Marine geophysical and geotechnical survey for the laying of submarine power cables between Kastelorizo-Ro and Kastelorizo-Strongyli (Akti Engineering).
- **2023:** Mapping of marine habitats and biodiversity around Gyali Island (LAVA S.A.)

- **2024:** Geophysical and geotechnical marine survey for the laying of XLPE 150 kV submarine power cables between Thrace-Limnos, Limnos-Lesvos and Lesvos-Skyros (Akti Engineering).
- **2024:** Offshore geological and geotechnical Desktop Study for fixed-bottom offshore windfarms in regions of Alexandroupoli and Samothraki (Akti Engineering).
- **2024:** Geodatabase construction to support ground models in areas of offshore windfarms development (HEREMA).
- **2025:** Geotechnical analysis of sediment cores for the HEDNO submarine links between Serifos-Sifnos and Serifos-Kythnos (Akti Engineering).
- **2025:** Evaluation of the geologic basement depth based on geophysical investigations in the Kokkari (Samos) fishing shelter (Northern Aegean Region).
- **2025:** Nature-based solutions for the protection of touristic and ecologically important beaches from flooding and erosion under a changing climate (INTERREG Ελλάδα-Κύπρος 2021-2027).

Participant as Senior scientist / researcher

- **1988-1989:** Peloponnesos and Crete submarine power interconnection (marine survey - 2nd phase) (Public Power Corporation of Greece).
- **1990:** Italy – Greece submarine power interconnection (marine survey - 2nd phase) (Public Power Corporation of Greece and ENEL-Italy).
- **1990:** Andros isl. – Tinos isl. submarine power interconnection (marine survey - 2nd phase) (Public Power Corporation of Greece).
- **1991:** Environmental study (inspection) along submarine power cables between Kerkyra-Igoumenitsa, Lefkada-Kefallinia, Kefallinia-Zakynthos and Rio-Antirio (Public Power Corporation of Greece).
- **1991:** Thassos Platform and Keramoti, (N. Aegean Sea) pipeline and cable link (Akti Engineering).
- **1992:** Ahladi-Aidipsos submarine power interconnection (Public Power Corporation of Greece).
- **1992:** Actio-Preveza Straits submarine power interconnection (Public Power Corporation of Greece).
- **1992:** Tinos isl. - Syros isl. and Tinos isl. – Mykonos isl. (Aegean Sea) submarine power interconnection (Public Power Corporation of Greece).
- **1992:** Marine geological surveyes for the ancient wreck at Dokos isl. (cooperation with IENAE).
- **1993:** 150kV Submarine Power Link: Evia-Andros and Andros isl. – Tinos isl. (Asso-Divers, Akti Engineering, P.P.C., ALCATEL, PIRELLI).
- **1993:** 66kV Submarine Power Link Syros-Tinos-Mykonos. Land and Marine Survey (Asso-Divers and Akti Engineering, P.P.C., ALCATEL, PIRELLI).
- **1993:** Igoumenitsa - Corfu isl. fiber optic link (Akti Engineering, O.T.E., FULGOR).
- **1993:** Patras-Krioneri fiber optic link (Akti Engineering, O.T.E., FULGOR).
- **1993:** Municipal outfall of Patras (Patras Water and Sewage Authority)
- **1993:** New Patras Harbour (Triton Engineering Consultants).
- **1993:** Preveza – Paxi - Corfu isl. fiber optic link (Akti Engineering, O.T.E., FULGOR).
- **1993:** Kos isl. – Giali isl. submarine power interconnection (Public Power Corporation of Greece).
- **1994:** Agia Triada – Rebithousa (central Greece) natural gas pipeline connection (Akti Engineering).
- **1994:** Zakynthos isl. - Killini (Ionian Sea) submarine power interconnection (marine survey – 2nd phase) (Public Power Corporation of Greece).
- **1994:** Marine Environmental study of Bauxite tailing in the Gulf of Corinth (Aluminium Hellas (Peshiney)).
- **1995:** Athens – Milos isl. - Crete (Chania) fiber optic link (Akti Engineering, O.T.E., FULGOR).

- **1996:** Alkyonides Gulf (east Gulf of Corinth) marine geophysical survey (University of Leeds, England).
- **1996:** Skiathos Straits submarine power interconnection (Public Power Corporation of Greece).
- **1997:** New Patras Harbour – Marine geotechnical investigation (Akti Engineering).
- **1997:** Earthquake-induced (1995) coastal changes in Tolophonas-Eratini (NW gulf of Corinth) (A.D.K. Engineering Consultants).
- **1997:** Lechena (Killini) – Zakynthos isl. – Kefallinia isl. – Lefkada isl. – Preveza (Ionian sea) fiber optic link (Akti Engineering, O.T.E., FULGOR).
- **1997:** Arkitsa and Aedipsos (Evia isl.) fiber optic link (Akti Engineering, O.T.E., FULGOR).
- **1997:** Rio – Antirio (central Greece) submarine power link (preliminary survey) (Public Power Corporation of Greece).
- **1997:** Panagopoula and Foinikas delta marine geophysical survey (Laboratory of Marine Geology & Physical Oceanography).
- **1998:** Mykonos isl. – Naxos isl. – Paros isl. – Ios isl. – Santorini isl. - Crete isl. (Aegean sea) fiber optic link (Akti Engineering, O.T.E., FULGOR).
- **1998:** Municipal outfall of Patras, Greece (Edafomechaniki E.P.E.).
- **1999:** Kerkyra isl. – Aetos submarine power link (marine survey 1st phase) (Public Power Corporation of Greece).
- **1999:** Italy - Greece submarine power link (Public Power Corporation of Greece).
- **2000:** Revithousa gas pipeline: Seafloor mapping and pipeline inspection (Akti Engineering).
- **2000:** Enlargement of Aktio channel (Akti Engineering).
- **2000:** Geo-archaeological survey in the coastal zone of Alexandria (Egypt) (Laboratory of Marine Geology & Physical Oceanography).
- **2000:** Kerkyra isl. – Aetos submarine power link (Public Power Corporation of Greece).
- **2000:** Geotechnical survey for the Kerkyra isl. – Aetos submarine power link (Public Power Corporation of Greece).
- **2000:** New Aegion Harbour (Mohlos A.E.).
- **2000:** Killini - Zakynthos isl. submarine power link (Akti Engineering).
- **2000 - 2001:** Italy – Greece fiber optic link (GEOLAB S.r.l.).
- **2002:** Evia isl. – Kavalliani isl. submarine power link (Public Power Corporation of Greece).
- **2006:** Oceanographical study of the coastal area of Potimon, Paphos, Cyprus (D.P. PARALIA C.R.A.M. CY Ltd.).
- **2007:** CORI: Prevention and management of sea originated risks to the coastal zone (INTERREG III B ARCHIMED PRIORITY AXIS: 3 - MEASURE: 3).
- **2007:** Human activities on the quality of the coastal environment and assessment of environmental quality indicators in the framework of the coastal zone management, according to the directive 2000/60 (INTERREG IIIA Greece-Cyprus – Measure 3).
- **2008:** Oceanographic survey in the NE Aegean Sea (Gulf of Alexandroupolis) (Evros Prefecture).
- **2011:** AKTAIA: Development of new techniques for quantification and mitigation of climate change impacts on the coasts of E. Creta (Greek Ministry of Development, co-financed by the European Union –European Regional Development Fund).
- **2012:** THALES (University of the Aegean): Physical and economic impactsof sea level changes on the island beaches of the Greek Archipelago (co-financed by the European Union (European Social Fund – ESF) and Greek national funds).

- **2012:** THALES (University of Athens): Marine aggregates: prospecting and exploitation methods, environmental impact and usage possibilities (co-financed by the European Union (European Social Fund – ESF) and Greek national funds).
- **2013:** Synergy for the sustainable development and safety of the Hellenic Tourist Beaches (BeachTour) (National Strategic Reference Framework (NSRF) 2007-2013 - SYNERGASIA II).
- **2014:** Monitoring of *Caretta caretta* in Laganas Gulf, Zakynthos Island (Management Agency of the National Marine Park of Zakynthos and University of Thessaloniki).
- **2015:** Marine Spatial Planning in the Aegean Sea for the protection and conservation of biodiversity (Marisca) (EEA 2009-2014).
- **2015:** Recording of and Technical Responses to Coastal Erosion of Touristic Aegean Island Beaches (Erabeach) (EEA 2009-2014).
- **2021:** Coastal Environment Observatory and Risk Management in Island Regions (AEGIS+)
- **2021:** A proof-of –concept for the implementation of a European Copernicus coastal Flood Awareness System (ECFAS) (Horizon 2020).
- **2022:** Multiple use of space for Island clean Autonomy (MUSICA) (Horizon 2020).