

Current Resume



Personal information

First name / Surname **Antonis Chatzipavlis**
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Nationality Hellenic (Greek)
Websites <https://scholar.google.gr/citations?user=p9uInuQAAAAJ&hl=el>
<https://www.scopus.com/authid/detail.uri?authorId=55356699600>

Education

Ph.D in Coastal Morphodynamics

Subject " *High frequency beach morphodynamics: A comparison between perched and open beaches* "
<https://www.siderisbooks.gr/product/high-resolution-beach-morphodynamics/>

Overview In this research, the variability of the shoreline and wave run-up positions in two different beach systems have been monitored during highly energetic winter periods: i) an urban perched beach (Ammoudara, Herakleion – Crete); and ii) an open sea beach (Kamari, Santorini). Winter 2-D shoreline and wave run-up/swash maxima in geo-rectified coastal imagery of high spatio-temporal resolution obtained from a Beach Optical Monitoring System (BOMS) installed in these beaches have been analysed using automated feature detection techniques. The detected morphological changes of the two beaches have been then compared with the coastal hydrodynamic regime, which was studied using high-frequency hydrodynamic records, as well as numerical modeling. In addition, an alternative approach has been developed/used to model the shoreline and wave run up position dynamics by utilizing state-of-the-art Artificial Neural Networks (ANNs) on the basis of sophisticated experimental set-ups that involve few (and obtainable) input/output parameters.

Name of Institution Department of Marine Sciences (University of Aegean)
University Hill, 81100, Mytilene, Lesvos, Greece

Msc in Coastal Zone Management

Title of qualification awarded MSc in Coastal Zone Management
Principal subjects / occupational skills covered

- Main subjects of profession (physical, chemical, geological and biological component of coastal zone)
- Basic knowledge in Coastal Processes and Engineering, Economic Evaluation of the Coastal and Marine Environment, DPSIR-ICZM-SWOT model analysis
- Project of beach nourishment in Eresos bay (Lesvos) under 6 cost predicted scenarios
- Project of risk assessment under climate scenarios (IPCC AR4) in Kos island
- Project of comparing the application of 2 biotic indicators (AMBI-BENTIX) in Saronikos Gulf (Athens) following WFD 2000/60/EU
- Project of scanning the possibility for the creation a Marine Protected Area (MPA) in the area of Psara island (North Aegean)

Name of Institution Department of Marine Sciences (University of Aegean)
University Hill, 81100, Mytilene, Lesvos, Greece

Master Thesis "*Investigating the application of beach nourishment scheme in Eresos beach, Lesvos-Greece. Proposed solutions based on cost evaluation scenarios* "

Msc grade 8.73/10.00

Bsc in Marine Sciences

Title of qualification awarded Degree in marine sciences

Principal subjects / occupational skills covered - Main subjects of profession (biological, physical, chemical, geological and economic analysis of the oceans components)
- Basic knowledge of sediment's transportation processes, current circulation, coastal works and engineering

Name of Institution Department of Marine Sciences (University of the Aegean)
University Hill, 81100 Mytilene, Lesvos, Greece

Bachelor Thesis "*Structure, application and role of Kos Sewage Treatment Unit in environmental management and protection* "

Bsc grade 7.00/10.00

Participation in Research Projects

Dates 09/2021 – 09/2023

Project Beach erosion due to climate change: Risk evaluation and provision of effective solutions in touristic areas of North Aegean and Cyprus
(BEACHTECH – beachtech.eu)
Funding: European Commission, Interreg V-A Greece– Cyprus 2014-2020

Dates 05/2021 – 12/2023

Project Methodological framework for the Assessment and monitoring of the erosion Risk of touristic island beaches under Climate Change
(MARICC – maricc.gr)
Funding: Hellenic Foundation for Research & Innovation (HFRI)

Dates 09/2022 - 12/2022

Project Investigation of oceanographic parameters around Cyprus (Case Report)
Funding: Cyprus Maritime and Marine Institute (CMMI) on behalf of (Cyprus Ministry of Agriculture, Rural Development and Environment)

Dates 06/2021 – 04/2023

Project Coastal Environment Observatory and Risk Management in Island Regions
(AEGIS+ - <https://www.mar.aegean.gr/index.php?lang=en&pg=2.5.3.5>)
Funding: Operational Programme "Competitiveness, Entrepreneurship and

Innovation" (NSRF 2014-2020), co-financed by the Hellenic Government (Ministry of Development and Investments) and the European Union (European Regional Development Fund, Cohesion Fund)

Dates 12/2019 – 02/2021

Project Investigation of one-line approach in studying and provision of effective solutions against coastal erosion
Funding: "Competitiveness, Entrepreneurship and Innovation" (NSRF 2014-2020), co-financed by the Hellenic Government (Ministry of Development and Investments)

Dates 02/2016 - 03/2017

Project Recording of and Technical Responses to Coastal Erosion of Touristic Aegean Island Beaches
(ERABEACH – erabeach.aegean.gr)
Funding: European Economic Area (EEA) Financial Mechanism and the Public Investments Program (PIP) of the Hellenic Republic

Dates 09/2014 - 02/2017

Project THALIS - Physical and Economic Impacts of Sea Level Changes on the Island Beaches of the Aegean Archipelago
(ISLA - isla.aegean.gr)
Funding: European Social Fund (ESF) and Greek national funds

Dates 10/2014 - 11/2016

Project Synergy for the sustainable development and safety of the Hellenic touristic beaches-11SYN_8_1466
(BEACHTOUR - beachtour.geol.uoa.gr)
Funding: European Regional Development Fund (ERDF) and the General Secretariat for Research and Technology (Hellenic Ministry of Education).

Dates 02/2012 - 08/2012

Project Regional adaptation strategies for the German Baltic Sea Coast (RAdOst)
Funding: German Ministry of Education and Research

Dates 03/2012 - 07/2012

Project Beach Nourishment Investigation of the Beach Tsamakia, Mytilene,
Funding: Municipality of Lesbos

Teaching Experience

- Coast and Sediment Dynamics (Adjunct Lecturer and Examiner)
Lesson Details: 3 hours per week, 09/2022 - 01/2023, held at University of the Aegean, Department of Marine Sciences
- Coastal Morphodynamics and Engineering (Adjunct Lecturer and Examiner)
Lesson Details: 5 hours per week, 02/2023 - 06/2023, held at University of the Aegean, Department of Marine Sciences

Scientific Interests

- Coastal morphodynamics/hydrodynamics
- Estimation of coastal vulnerability due to climatic changes/extreme events
- Development/application of coastal morphodynamic models
- Development/use of tools relative to coastal morphodynamics and engineering
- Collection/analysis of field data (topographic, meteorological, hydrodynamic and sedimentological data)

Grants

- Grant under the Erasmus+ program for supporting part of Ph.D studies, enrolment at the School of Geographic and Oceanographic Sciences, Nanjing University, China
- 3-year grant from the Fanourakis Foundation for supporting Ph.D studies
- Grant from the University of the Aegean, Msc. Integrated Coastal Zone Management program for excellent performance (1st)
- Grant under the Erasmus Placement program to support internship/joining the Insitute fur Kustenwasserbau, University of Rostock, Germany
- 4 year grant for supporting bachelor studies for excellent performance from 1st secondary school of Kos administration (Ippokrateio Likeio of Kos)

Additional Skills

- Good programming skills and software development (Matlab)
- Experience in coastal morphodynamic modeling, field data collection and analysis of field data (topographic, meteorological and hydrodynamic data), high-frequency monitoring of beach and wave parameters and functional/constructional assessment of coastal protection works
- Certified scuba diver (Advanced Open Water Diving License from PADI organization), Certified Sailor (Sailing Diploma), Experienced free diver
- Languages: Greek (Native), English (very good - Certificate of Proficiency, University of Michigan), German (good - Zertifikat Abitur, Goethe Institut)

Military Duties

Joined: Hellenic Army Training Centre (541 TE), Rhodes 12/11/2009
Resigned: Hellenic Army Corps of Engineer (80 TMXEΘ), Kos 12/07/2010

Publications

Scientific Journals

- 1) Monioudi I.N., Velegarakis A.F., Chatzistratis D., Vousdoukas M.I., Savva C., Wang D., Bove G., Mentaschi L., Paprotnye D., Morales-Nápoles O., **Chatzipavlis A.**, Thomas Hasiotis Th. and Eva Manoutsoglou E. (2023). Climate change - induced hazards on touristic island beaches: Cyprus, Eastern Mediterranean, *Frontiers in Marine Science*, 10, 16 pp., paper id: :1188896, doi: <https://doi.org/10.3389/fmars.2023.1188896> (Impact factor: 5.247, Scimago: 1.122, Q1)
- 2) Joumar N., Nabih S., **Chatzipavlis A.**, Velegarakis A.F., Hasiotis Th., Eddine J. El Messari S., Benaabidate L. and Tzoraki O. (2023). A Qualitative Assessment of River Plumes Coupling SWAT Model Simulations and a Beach Optical Monitoring System, *Hydrology*, 10 (2), 38, doi: <https://doi.org/10.3390/hydrology10020038> (Impact factor: 3.12, Scimago: 0.57, Q2)
- 3) Quintano N. and Chatzipavlis A. (2023). Evidence of Mediterranean Monk Seal Predation on Loggerhead Sea Turtle in Lesvos Island, Greece. Case Report. *Examines in Marine Biology and Oceanography*, 5 (3), 3 pp. <https://doi.org/10.31031/EIMBO.2023.05.000612>
- 4) Andreadis O., **Chatzipavlis A.**, Hasiotis Th., Monioudi I., Manoutsoglou E. and Velegarakis A. (2021). Assessment of and Adaptation to Beach Erosion in Islands: An Integrated Approach. *Marine Science and Engineering*, 9, 859, 22 pp. <https://doi.org/10.3390/jmse9080859> (Impact factor: 1.732, Scimago: 0.53, Q1)
- 5) Wang D.D., Gao S., Zhao Y., **Chatzipavlis A.**, Chen Y., Gao J. and Zhao Y. (2021). An eco-parametric method to derive sedimentation rates for coastal saltmarshes. *Science of the Total Environment*, 707, 12 pp., doi : <https://doi.org/10.1016/j.scitotenv.2020.144756> (Impact factor: 6.551, Scimago: 1.66, Q1)
- 6) **Chatzipavlis A.**, Tsekouras G.E., Trygonis V., Velegarakis A.F., Tsimikas J., Rigos A., Hasiotis Th. and Salmas C. (2018). Modeling beach realignment using a neuro-fuzzy network optimized by a novel backtracking search algorithm. *Neural Computing and Applications (NCAA)*, 17 pp., doi : <https://doi.org/10.1007/s00521-018-3809-2> (Impact factor: 4.213, Scimago: 0.70, Q1)
- 7) Tsekouras G.E., Trygonis V., Maniatopoulos A., Rigos A., **Chatzipavlis A.**, Tsimikas J., Mitianoudis N. and Velegarakis A.F. (2017). A Hermite neural network incorporating artificial bee colony optimization to model shoreline realignment at a reef-fronted beach. *Neurocomputing*, 280, pp. 32-45, doi: <https://doi.org/10.1016/j.neucom.2017.07.070> (Impact factor: 3.241, Scimago: 1.07, Q1)
- 8) Monioudi, I. N., Velegarakis, A. F., **Chatzipavlis, A. E.**, Rigos, A., Karambas, T., Vousdoukas, M. I., Hasiotis, T., Koukouroufli, N., Peduzzi, P., Manoutsoglou, E., Poulos, S. E., and Collins, M. B. (2017). Assessment of island beach erosion due to sea level rise: the case of the Aegean archipelago (Eastern Mediterranean), *Natural Hazards and Earth System Sciences (NHES)*, 17, pp. 449-466, doi: <https://doi.org/10.5194/nhess-17-449-2017> (Impact factor 2.281, Scimago=0.97, Q1)
- 9) Velegarakis A.F., Trygonis V., **Chatzipavlis A.**, Karambas Th., Vousdoukas M., Ghionis G., Monioudi I., Hasiotis Th., Andreadis O. and Psarros F. (2016). Shoreline variability of an urban beach fronted by a beachrock reef from video imagery. *Natural Hazards*, 83, pp. 201-222. doi: <https://doi.org/10.1007/s11069-016-2415-9> (Impact factor 1.901, Scimago: 0.77, Q1)
- 10) Rigos A., Tsekouras G.E., Vousdoukas M.I., **Chatzipavlis A.** and Velegarakis A.F. (2015). A Chebyshev Polynomial RBF Neural Network for the Coastal Shoreline Extraction Problem, *Integrated Computer-Aided Engineering*, 23 (2), pp. 141-160, doi: <https://doi.org/10.3233/ICA-150507> (Impact factor: 3.667, Scimago: 0.67, Q1)
- 11) Monioudi I.N., Karditsa A., **Chatzipavlis A.**, Alexandrakis G., Andreadis O., Velegarakis A.F., Poulos S., Ghionis G., Petrakis S., Sifnioti D., Hasiotis Th., Lipakis M., Kampanis N., Karambas Th. and Marinos E. (2014). Assessment of Vulnerability of the Eastern Cretan Beaches (Greece) to Sea Level Rise, *Regional Environmental Change*, 16 (7), pp. 1951–1962., doi: <https://doi.org/10.1007/s10113-014-0730-9> (Impact factor 2.872, Scimago: 1.22, Q2)

International Conferences

- 1) **Chatzipavlis A.**, Andreadis O., Psarros F., Hasiotis T., Velegrakis A., Evagorou E., Loizidi M. and Chrysostomou G. (2023). Morphological changes recorded from an automated beach optical monitoring system in a highly touristic pocket beach, Coral Bay, Pegeia, Cyprus. *18th Int. Conference on Environmental Science and Technology (CEST 2023)*, 30 August - 02 September 2023, Athens, Greece, 4 pp. doi: <https://doi.org/10.30955/gnc2023.00298>
- 2) **Chatzipavlis A.**, Monioudi I.N., Velegrakis A.F., Chalazas T. and Chatzistratis D. (2023). Application of a Bioclimatic Index for Evaluating the Attractiveness of Two Highly Touristic Beaches in Santorini and Kos. *18th Int. Conference on Environmental Science and Technology (CEST 2023)*, 30 August - 02 September 2023, Athens, Greece, 3 pp. doi: <https://doi.org/10.30955/gnc2023.00453>
- 3) Monioudi I., **Chatzipavlis A.**, Nikolaou A., Velegrakis A. and Hasiotis T. (2023). Exploring beach visitors' willingness to pay for protecting island beaches from erosion: The case of Marmari beach in Kos, Greece. *18th Int. Conference on Environmental Science and Technology (CEST 2023)*, 30 August - 02 September 2023, Athens, Greece, 4 pp. doi: <https://doi.org/10.30955/gnc2023.00478>
- 4) Hasiotis T., Andreadis O., **Chatzipavlis A.**, Mettas C., Evagorou E., Hadjimitsis D., Kountouri I., Louzidou M., and Chrysostomou G. (2023). A holistic high-resolution monitoring approach in studying coastal erosion of a highly touristic beach, Coral Bay, Cyprus. *Ninth International Conference on Remote Sensing and Geoinformation of Environment (RSCy2023)*, 3-5 April 2023, Ayia Napa, Cyprus, 5 pp. doi: <https://doi.org/10.1117/12.2682605>
- 5) **Chatzipavlis A.E.**, Trygonis V. and Velegrakis A.F. (2022). High frequency shoreline and wave run-up detections through optical video imagery. Example from Kamari beach, Santorini. *Marine and Inland Waters Research Symposium*, 16-20 September 2022, Porto Heli, Argolida, Greece, pp. 623-627.
- 6) Monioudi I.N., Markozanes F., Velegrakis A.F., **Chatzipavlis A.E.**, Cúlibrk A. and Kontopyrakis K.E. 2021. Prioritization of Beach Vulnerability to Sea Level Rise: The case of Santorini, Greece. *Proceedings of the 4th International Congress on Applied Ichthyology, Oceanography & Aquatic Environment (HYDROMEDIT)*, 4-6 November 2021, Mytilene, Lesvos, Greece, pp. 264-268.
- 7) **Chatzipavlis A.E.**, Zamboukas V., Trygonis V. and Velegrakis A.F. (2021). Automated 2-D shoreline and wave run-up detections from high frequency optical data. Example from an urban perched beach: Ammoudara, Herakleion, Crete. *Proceedings of the 4th International Congress on Applied Ichthyology, Oceanography & Aquatic Environment (HYDROMEDIT)*, 4-6 November 2021, Mytilene, Lesvos, Greece, pp. 269-272.
- 8) Andreadis O., Hasiotis T., Manoutsoglou E., **Chatzipavlis A.**, Monioudi I. and Velegrakis A., 2021. Prospective Marine Aggregate Deposits in Chios Island (Greece): A preliminary Evaluation. *Proceedings of the 8th International Conference on Environmental Management, Engineering, Planning & Economics*, 20-24 July 2021, Thessaloniki, Greece, pp. 659-667, ISBN: 978-618-5494-53-7.
- 9) **Chatzipavlis A.**, Trygonis V., Velegrakis A.F., Andreadis O. and Psarros F. (2019). Automated 2-D wave run-up detection from coastal video imagery: Examples from the islands of Santorini and Mykonos. *1st International Conference of Design and Management of Port, Coastal and Offshore Works (DMPCO)*, Athens, Greece, 08-01 May 2019, 4 pp.
- 10) Velegrakis A., Hasiotis T., Tzoraki O., Karambas Th., Monioudi I., Trygonis V., Topouzelis K., **Chatzipavlis A.E.**, Aaheim A. and Orlov A. (2017). Recording of and technical responses to coastal erosion of touristic Aegean island beaches – The ERABEACH project. *Proceedings of the 15th International Conference on Environmental Science and Technology (CEST)*, Rhodes, Greece, 31 August - 02 September 2017, 5 pp.
- 11) Hasiotis T., Velegrakis A.F., Trygonis V., Topouzelis K., Andreadis O., **Chatzipavlis A.**, Psarros F., Manoutsoglou E., Monioudi I. and Koronios E. (2017). Monitoring erosion risk in Kamari beach (Santorini), *Proceedings of the 15th International Conference on Environmental Science and Technology (CEST)*, Rhodes, Greece, 31 August - 02 September 2017, 5 pp.

- 12) Andreadis O., Hasiotis T., Psarros F., **Chatzipavlis A.** and Velegrakis A.F., Erosion and sediment transport processes along Eresos coastal zone (Lesvos, Greece). Proceedings of the *15th International Conference on Environmental Science and Technology (CEST)*, Rhodes, Greece, 31 August - 02 September 2017, 5 pp.
- 13) Tsekouras G.E., Trygonis V., Rigos A., **Chatzipavlis A.**, Tsolakis D. and Velegrakis A.F. (2017). Neuro-Fuzzy Network for Modeling the Shoreline Realignment of the Kamari Beach, Santorini, Greece. Proceedings of the *18th International Conference of Engineering Applications of Neural Networks (EANN 2017)*, Athens, Greece, 25–27 August 2017, 744, pp. 229–241. In: Boracchi G., Iliadis L., Jayne C., Likas A. (eds) *Engineering Applications of Neural Networks (EANN 2017)*, Communications in Computer and Information Science, vol 744. Springer, Cham, doi: https://doi.org/10.1007/978-3-319-65172-9_20
- 14) Rigos A., Tsekouras G.E., **Chatzipavlis A.** and Velegrakis A.F. (2016). Modeling Beach Rotation Using a Novel Legendre Polynomial Feedforward Neural Network Trained by Nonlinear Constrained Optimization. *IFIP International Conference on Artificial Intelligence Applications and Innovations (AIAI 2016)*, 475, pp. 167-179. In: Iliadis L., Maglogiannis I. (eds) *Artificial Intelligence Applications and Innovations (AIAI 2016)*, IFIP Advances in Information and Communication Technology, vol 475. Springer, Cham, doi: https://doi.org/10.1007/978-3-319-44944-9_15
- 15) Monioudi, I.N., **Chatzipavlis, A.**, Psarros, F., Rigos, A., Andreadis, O., Hasiotis, T. And Velegrakis, A.F. (2016). Evaluation of beach erosion risk of the Aegean Archipelago islands, *ISISA Islands of the World 14th Conference 2016, Niss(i)ology and Utopia: back to the roots of Island Studies*, Mytilene, Lesvos Island, Greece, 23-27 May 2016, 1 pp.
- 16) Velegrakis A.F., Trygonis V., **Chatzipavlis A.E.**, Vousdoukas M., Ghionis G., Andreadis O., Psarros F., Karambas Th., Sifnioti D., Eleftheriou A., Petrakis S. and Hasiotis Th. (2015). High resolution morphodynamic monitoring of an island beach of the Aegean Archipelago, using a 2-D automated coastal video imagery system, Proceedings of the *12th International Conference On the Mediterranean Coastal Environment (MedCoast)*, Varna, Bulgaria, 06-10 October 2015, 2, pp. 725-736.
- 17) Velegrakis A.F., Trygonis V., Vousdoukas M.I., Ghionis G., **Chatzipavlis A.**, Andreadis O., Psarros F. and Hasiotis Th. (2015). Automated 2-D Shoreline Detection from Coastal Video Imagery: An example from the island of Crete. Proceedings of the International Society for Optics and Photonics (SPIE) - *3rd International Conference on Remote Sensing and Geoinformation of Environment (RSCy2015)*, Cyprus, 16-19 March 2015, Vol. 9535, 7 pp., paper id: 95351J, doi: <https://doi.org/10.1117/12.2192687>
- 18) Tsekouras G.E., Rigos A., **Chatzipavlis A.** and Velegrakis A.F. (2015). A Neural-Fuzzy Network Based on Hermite Polynomials to Predict Coastal Erosion, *16th International Conference on Engineering Applications of Neural Networks (EANN 2015)*, Rhodes, Greece, 25-28 September 2015, 10, pp. 195-205. In: Iliadis L., Jayne C. (eds) *Engineering Applications of Neural Networks (EANN 2015)*, Communications in Computer and Information Science, vol 517. Springer, Cham, doi: https://doi.org/10.1007/978-3-319-23983-5_19
- 19) Psarros F., Monioudi I., Andreadis O., Hasiotis Th., Velegrakis A.F., **Chatzipavlis A.**, Trygonis V. and Dimitriadis C. (2015). Evaluation of Climate Change Impacts on the Sea-turtle Nesting Beaches of Zakynthos National Marine Park, Greece, Proceedings of the *3rd International Symposium Effects of Climate Change on the World's Oceans*, Santos – Brazil, 21-27 March 2015, paper id : S11-10073
- 20) Velegrakis A. F., Trygonis V., Monioudi I., Vousdoukas M. I., Ghionis G., Karambas T., Andreadis O., Psarros F., Hasiotis T., Poulos, S., **Chatzipavlis A.** and Karditsa A. (2015) Climate Variability and Change (CV & MC) impacts on beaches: A new methodological approach focusing on a loggerhead sea turtle nesting beach (Gerakas, National Marine Park of Zakynthos), Proceedings of *International Symposium 'Marine Protected Areas in Greece and the Mediterranean: Designing for the Future by Applying Lessons Learnt from the Past'*, 4-6 December 2015, Zakynthos, Greece, pp. 53-54.

- 21) Velegrakis A.F., Monioudi I.N., **Chatzipavlis A.**, Hatzopoulos J.N., Hasiotis Th., Psarros F., Rigos A., Vousdoukas M.I., Lekkas D., Ghionis G., Peduzzi P. and Chatenoux, B. (2014). Development of a new methodology for the estimation of beach vulnerability to sea level rise - an application to the Aegean Sea. *19th International Sedimentological Congress*, Geneva, Switzerland, 18-22 August 2014, Book of abstracts, pp. 209.
- 22) Velegrakis A., Monioudi I., Poulos S., Lekkas D., Hatzopoulos J., Hasiotis Th., Karambas Th., Kontogianni A., Vousdoukas M.I., Andreadis O., Rigos A., Tsekouras G., Psarros F., Ghionis G., Karditsa A., **Chatzipavlis A.**, Anastasiadis S., Kokkoris G., Petrakis S., Tsimplis M., Peduzzi P. and Collins M. (2013). Physical and economic impacts of sea level changes on the island beaches of the Aegean Archipelago (ISLA): concepts and preliminary results, *Proceedings of the 13th International Conference on Environmental Science and Technology (CEST2013)*, 5-7 September 2013, Athens, paper ID: cest13_0819.
- 23) **Chatzipavlis A.**, Monioudi, I., Velegrakis, A.F. and Andreadis, O. (2012). Case scenario investigation of beach nourishment in Eresos beach, Lesvos, Greece, *Proceedings of the 22nd International Offshore and Polar Engineering Conference (ISOPE)*, Rhodes, Greece, 17 -22 June 2012, pp. 1425-1432. ISBN: 978-1-880653-94-4.

Panhellenic (Greek) Conferences

- 1) **Chatzipavlis A.**, Trygonis V., Velegrakis A.F., Tsekouras G., Hasiotis T., Andreadis O. and Psarros F., 2018. Modeling Beach Realignment with Neural Networks and High Frequency Observations of Shoreline Position and Nearshore Wave Data. *12th Panhellenic Symposium of Oceanography & Fisheries*, Corfu, Greece, 30 May - 03 June 2018, pp. 161.
- 2) Ghionis G., Sifnioti D., **Chatzipavlis A.**, Petrakis S., Andreadis O., Psarros F., Poulos S., Hasiotis Th. And Velegrakis A., 2015. Wave Transformations and Water Circulation in a Reef-Protected Nearshore Zone. The Case of Ammoudara Beach (Heraklion, Crete), *11th Panhellenic Symposium on Oceanography and Fisheries*, Mytilene, Lesvos, Greece, 13-17 May 2015, 4 pp.
- 3) **Chatzipavlis A.**, Psaros F., Manoutsoglou E., Trygonis V., Andreadis O., Eleftheriou A., Velegrakis A.F. and Hasiotis Th. (2015). Hydrodynamics and morphodynamics of island poclet beaches: Preliminary results from Kalo Livadi, Mykonos. *Proceedings of the 11th Panhellenic Symposium of Oceanography & Fisheries "Aquatic horizons: Challenges & perspectives"*, 13-17 May 2015, Mytilene, Lesvos, Greece, pp. 1101-1104 (in Greek with English abstract).
- 4) Papadakis M., **Chatzipavlis A.**, Kaplantzi A., Monioudi I., Velegrakis A.F., Nikolaou A., Kontogianni A. (2015) Application of a bioclimatic index for evaluating the attractiveness of 3S (Sea-Sun-Sand) destinations in two beaches of high touristic flow in Rhodes and Mykonos, *Proceedings of the 11th Panhellenic Symposium of Oceanography & Fisheries "Aquatic horizons: Challenges & perspectives"*, 13-17 May 2015, Mytilene, Lesvos, Greece, pp. 1105-1108 (in Greek with English abstract).
- 5) Velegrakis A.F., Monioudi I.N., **Chatzipavlis A.**, Hatzopoulos I.N., Rigos A. and Psarros F. (2015). Development of a methodology for the estimation of beach retreat of the Aegean island beaches due to sea level rise, *11th Panhellenic Symposium of Oceanography & Fisheries "Aquatic horizons: Challenges & perspectives"*, 13-17 May 2015, Mytilene, Lesvos, Greece, *Proceedings*, pp. 1089-1092 (in Greek with English abstract)
- 6) **Chatzipavlis A.**, Karambas Th., Andreadis O., Velegrakis A.F. and Rigos A. (2014). Simulating the hydro-morphodynamic processes of Eresos beach, Lesvos island. *Panhellenic Conference «the use of new technologies towards the prevention and management of natural disasters – The role of civil protection» (SafeRhodes 2014)*, 24-26 October 2014, Rhodes, Greece, 12 pp. (in Greek)

Books

- 1) **Chatzipavlis A. (2023)**. High Resolution Beach Morphodynamics: A comparison between perched and open beaches. Metaxa 28, 10681, Athens - Greece, Sideris Publications, 157 pp. ISBN: 978-960-468-352-9.

Editor and Reviewer Activity

2023: Guest editor of Special Issue “Advances in Coastal Hydrodynamic and Morphodynamic Processes under a Changing Climate” in Journal of Marine Science and Engineering

https://www.mdpi.com/journal/jmse/special_issues/35I8P1ZU7N

2023: Reviewer of 2 papers in MDPI - Water

2022: Reviewer of 2 papers in ISPRS International Journal of Geo-Information