

# Curriculum Vitae

## Adonis F. VELEGRAKIS

Nationality: Greek  
Address: Dept of Marine Sciences, University of the Aegean, University Hill, Mytilene, Greece 81100, [afv@aegean.gr](mailto:afv@aegean.gr)

### Professional Experience

12/2008- date: Professor, Deputy Head of Department (2013-2017) and Director of Postgraduate Studies, Department of Marine Sciences (DMS), School of Environment, University of the Aegean (UoAg), Greece (during periods 3/2009-8/2009 and 3/2013-8/2013) on sabbatical leave in DEWA-GRID, UNEP), Geneva  
3/2002-11/2008: Assoc. Professor, Deputy Head of Department (2003-2009) and Director of Postgraduate Studies (2007-2009), DMS (UoAg)  
10/2000-3/2002: Senior Research Fellow, School of Ocean and Earth Science (SOES), University of Southampton National Oceanography Centre, Southampton (NOCS), UK  
5/1995-10/2000: Research Fellow, SOES, University of Southampton National Oceanography Centre, Southampton (NOCS), UK  
4/1994-4/1995: Research Assistant, Department of Oceanography, University of Southampton, UK  
5/1990-3/1994: Research Assistant (part-time) Department of Oceanography, University of Southampton, UK  
1/1986-2/1987: Field Hydrographer, Greek Navy (National Service)  
7/1983-8/1985: Research Assistant, Department of Marine Geology, National Institute of Geological and Mineral Research (NIGMR), Athens (Greece)

### Higher Education

10/1997-9/1999: LLM (Master in Laws) in Environmental Law and Law of the Sea, School of Law, University of Southampton, UK (part-time)  
12/1988-8/1994: PhD in Oceanography. University of Southampton, UK  
12/1987-10/1988: Postgraduate Diploma in Computer Programming and System Analysis, Greek Centre of Productivity, Athens Greece  
10/1981-6/1985: MSc in Oceanography, Faculty of Science, University of Athens (Greece)  
9/1976-6/1981: BSc in Geology, Faculty of Science, University of Thessaloniki (Greece)

### Research Interests & Experience

Marine sedimentology, coastal dynamics and vulnerability to climatic changes, Coastal monitoring techniques, marine mineral resources, anthropogenic effects on coastal environments and infrastructure, theory and practice of marine environmental impact assessment

- Participation as institutional coordinator or principal researcher in several European research projects of the UoAg (FP5-TMR EUMARSAND, INTERREG CORI, FP7-PERSEUS, FP7-COCONET, H2020 ECFAS, INTERREG-BEACHTECH) and the University of Southampton ((FP5-DELOS, FP5-

INTERPOL, MTP II- MATER, TMR-SWAMIEE, FP4-INDIA, FP3 FLUXMANCHE II, FP3- PELAGOS και FP2-FLUXMANCHE, ).

- Participation as institutional coordinator or principal researcher in several international and national research projects of the University of Southampton (e.g. UK NERC-AUTOSUB MISSIONS, UK MAFF-EMPHASYS 1 & 2, WWF-SANDBANKS και Participation as coordinator and/or principal investigator in large national research projects of the UoAg (AEGIS+, , EraBeach EEA (2016), THALES-ISLA, THALES-MARE, COOPERATION I –AKTAIA, COOPERATION II- BeachTour).
- Participation in over 20 large oceanographic research cruises in the Atlantic Ocean, the North and Baltic Seas, the English Channel, the Mediterranean Sea and the Aegean Sea.

### Teaching Experience

#### A. Undergraduate Studies

10/2002-Date: Course coordinator, lecturer and examiner of the courses 'Marine Geology', 'Coastal Geology' and 'Sediment Dynamics' of DMS, UoAg and lecturer/examiner of the course 'Law of the Sea'

1997-2001: Lecturer/examiner (in 1998-1999 course coordinator) of the courses 'Applied Sediment Dynamics' (OC310) and 'Sedimentary Environments' (OC206) of the SOES, NOCS

#### B. Postgraduate Studies

2002-Date: Lecturer/examiner of the courses 'Biogeochemical Processes', 'Law of the Sea' and Coastal Engineering of the MSc Degree 'Coastal Management' UoAg. Coordinator/Lecturer/examiner 'International and European policies and legislation for ICZM'

1997-2001: Lecturer/examiner (in 1998-1999 Course coordinator) of the course 'Applied Sediment Dynamics' (OC616) of the Msc (Oceanography) and the MSc (Civil and Coastal Engineering) of the University of Southampton

#### C. Dissertation Supervision

Supervisor of 4 PhD theses in DM (UoAg) and co-supervisor of 1 PhD thesis (SOES, NOCS). Presently, supervisor of 4 PhD theses (UoAg). Supervisor of 18 MSc dissertations in DMS (UoAg) and 5 MSc dissertations in SOES, NOCS. Supervisor of 28 BSc dissertations in DMS (UoAg) and 8 BSc dissertations in SOES, NOCS.

#### D. Teaching visits

Lectures (3) in the European MSc ERASMUS MUNDUS Marine Environmental Resources (San Sebastian and Plentzia, Spain) (2011-2016).

Lectures in Nanjing University (China), November 2014.

In 1998 and 2005, lectures in the course 'Coastal Sedimentary Environments' of the Département de Géologie et Océanographie of Université Bordeaux-I (France) (SOCRATES)

### Administration Experience

- Deputy Head DMS University of the Aegean
- Director of Postgraduate Studies DMS University of the Aegean

- Member of the Research Committee University of the Aegean (2005-2008 and 2014-2018)
- Member of the Senate of the University of the Aegean (2006-2008)
- Departmental Representative of SOCRATES-ERASMUS (2003-2007)
- Head/Member of numerous committees of the School of Environment, UoAg and member of research committees of SOES NOCS

#### Other relevant information

- Grant award from A.S. Onassis Foundation for PhD studies
- Reviewer of scientific articles submitted to international journals (e.g. Sedimentology, Marine Geology, Continental Shelf Research, Progress in Oceanography, Journal of Coastal Research)
- Associated editor Anthropocene Coasts
- Visiting Research Fellow National Oceanography Centre, Southampton.
- Fellow of the Geological Society of London
- Scientific expert witness before the English Courts
- Invited speaker in international conferences and chair of sessions of international scientific conferences
- Contributing author to Chapters 3 and 4 of the IPCC SREX (2012) Report
- Scientific consultant of international (e.g. UNEP-GRID, UNEP-MAP, UNECE, World Wide Fund (WWF)) και national organisations (e.g. UK Government Departments (DETR, MAFF, Welsh Office) HM Customs and Excise and UK and Greek Local Authorities) and industries (e.g. BP Exploration Operating Company, Elf Caledonia Enterprise Ltd and Marine Aggregate Companies (ENNEMIX, Severn Sands and ARC)

#### Publications

##### A. Books and Chapters in Books

- Velegrakis AF**, Monioudi IN, Tzoraki O, Vousdoukas M, Tragou E, Hasiotis Th, et al., **2022**. Coastal hazards and related impacts in Greece. Managing Crises and Building Resilience. World Regional Geography Book Series, Springer, Forthcoming
- Peduzzi, P., **Velegrakis, A.F.**, Estrella, M. And Chatenoux, B. **2013**. Integrating the role of ecosystems in disaster risk and vulnerability assessments: Lessons from the Risk and Vulnerability Assessment Methodology Development Project (RiVAMP) in Negril Jamaica. In FG Renaud et al., (eds), The role of Ecosystems in Disaster Risk Reduction, United Nations University Press (ISBN 978-9280812213), 109-139.
- Monioudi, I., **Velegrakis, A.F.**, Karambas, Th., Koutsouvela, D., **2009**. Coastal retreat due to the sea level rise: morphodynamic models predictions. Bulletin of the Geological Society of Greece, XLII/I, 153-170. (In Greek with English abstract)
- Velegrakis, A.F.**, **2008**. Erosion of Greek beaches. In I. Efthymiopoulos and M. Modianos (Eds), The Marine Environment, DIPE, Greek Letters Publishing Company, Athens, 155-167. (In Greek).
- Velegrakis, A.F.**, Collins, M.B., Bastos, A.C., Paphitis, D., and Brampton, A., **2007**. Seabed sediment transport pathway investigations: review of scientific approach and methodologies. In P.S. Balson and M.B. Collins (Eds), Coastal and Shelf Sediment Transport, Geological Society of London Special Publication, 274, 127-146.
- Velegrakis, A.F.**, Vousdoukas, M.I. and Meligonitis, R., **2005**. Beach erosion: Phenomenology and causes of the degradation of the greatest natural resource of the Greek Archipelago In: Tsaltas, The Greek Archipelago in the 21<sup>st</sup> Century, Vol. I, Sideris Publications, pp. 243-262 (In Greek with English Abstract)
- Velegrakis, A.F.**, **2000**. Geology, Geomorphology and Sediments of the Solent Estuarine System. In Collins, M.B. & Ansell, K., (Eds.): Solent Science-A Review. Proceedings in Marine Science Series, Elsevier, Amsterdam, pp.21-43.
- Velegrakis, A.F.**, Dix, J.K., and Collins, M.B., **2000**. The evolution of the upper reaches of the Solent River, southern England. In Collins, M.B. & Ansell, K., (Eds.): Solent Science-A Review. Proceedings in Marine Science Series, Elsevier, Amsterdam, pp. 97-100.

- Velegrakis, A.F.**, Brampton, A., Evans, C.D.R. and Collins, M.B., **2000**. Seabed mobility studies in the Solent region. In Collins, M.B. & Ansell, K., (Eds.): In Collins, M.B. & Ansell, K., (Eds.): Solent Science-A Review. Proceedings in Marine Science Series, Elsevier, Amsterdam pp. 111-115.
- Paphitis, D., **Velegrakis, A.F.** and Collins, M.B., **2000**. Residual circulation and associated sediment transport in the Eastern Approaches to the Solent. In Collins, M.B. & Ansell, K., (Eds.): In Collins, M.B. & Ansell, K., (Eds.): Solent Science-A Review. Proceedings in Marine Science Series, Elsevier, Amsterdam, 107-110.
- Brampton, A., Evans, C.D.R. and **Velegrakis A.F.**, **1998**. South Coast Mobility Study, CIRIA PR 65, London. 219 pp.

## B. International Journals

- Monioudi I.N., **Velegrakis A.F.**, Chatzistratis D., Vousdoukas M.I., Savva C., Wang D., Bove G., Mantashe L., Paprotny D., Morales-Nápoles O., Chatzipavlis A.E., Hasiotis T., Manoutsoglou E., **2023**. Climate change - induced hazards on touristic island beaches : Cyprus, Eastern Mediterranean, *Frontiers in Marine Science* 10: 1188896. doi: [10.3389/fmars.2023.1188896](https://doi.org/10.3389/fmars.2023.1188896)
- Joumar, N.; Nabih, S.; Chatzipavlis, A.; **Velegrakis, A.**; Hasiotis, T.; Tzoraki, O.; Stitou El Messari, J.E.; Benaabidate, L., **2023**. A Qualitative Assessment of River Plumes Coupling SWAT Model Simulations and a Beach Optical Monitoring System, 2023. *Hydrology*, 10, 38. <https://doi.org/10.3390/hydrology10020038>
- Tsabarlis C., Zervakis V., Saitanis S., Patiris D., Pappa F., **Velegrakis A.**, Alexakis S., Kioroglou S., **2023**. In Situ Radioactivity Measurements and Water Flow Characteristics of a Thermal Spring in Gera Gulf, Lesvos Island, Greece. *J. Mar. Sci. Eng.* 11(4), 801; <https://doi.org/10.3390/jmse11040801>
- Monioudi I.N., and **Velegrakis A.F.**, **2022**. Beach Carrying Capacity at Touristic 3S Destinations: Its Significance, Projected Decreases and Adaptation Options under Climate Change. *Journal Of Tourism and Hospitality* 11, 500.
- Peduzzi, P., **Velegrakis, A.**, Chatenoux, B., Estrella, M., Karambas, T., **2022**. Assessment of the role of nearshore marine ecosystems to mitigate beach erosion: The case of Negril (Jamaica). *Environments*, 9, 62. <https://doi.org/10.3390/environments9050062>
- 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. *J. Mar. Sci. Eng.* 9, 859. <https://doi.org/10.3390/jmse9080859>
- Hasiotis T., Gazis I.-Z., Anastasatou M., Manoutsoglou E., **Velegrakis A.F.**, Kapsimalis V., Karditsa A., Stamatakis A., **2021**. Searching for potential marine sand resources to mitigate beach erosion in island settings. *Marine Georesources and Geotechnology*, 39 (5), 527 - 542 <https://doi.org/10.1080/1064119X.2020.1721623>.
- Panagou T., Hasiotis T., **Velegrakis A.F.**, Karambas T.V., Oikonomou E., and 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>
- Panagou P., Oikonomou E., Hasiotis T., **Velegrakis A.F.**, **2020**. Shallow Water Bathymetry Derived from Green Wavelength Terrestrial Laser Scanner. *Marine Geodesy*, DOI: 10.1080/01490419.2020.1737602
- Chatzipavlis A., Tsekouras G.E., Trygonis V., **Velegrakis A.F.**, Tsimikas J., Rigos A., Hasiotis T., Salmas C., **2019**. A novel backtracking search algorithm for optimizing a neuro-fuzzy network to model beach realignment. *Neural Computing and Applications* 31 (6), 1747-1763 (<https://doi.org/10.1007/s00521-018-3809-2>)
- Monioudi I., N., Asariotis R., Becker A., Bhat C., Dowding-Gooden D., Esteban E., Mentaschi L., Nikolaou A., Nurse L., Phillips W., Satoh M., Smith D., Trotz U., **Velegrakis A.F.**, Voukouvalas E., Vousdoukas M.I., Witkop R., **2018**. Climate change impacts on critical international transportation assets of Caribbean Small Island Developing States (SIDS): The case of Jamaica and Saint Lucia. *Regional Environmental Change*, 18 (8), 2211–2225.
- Manoutsoglou E., Hasiotis T., Kyriakoudi D., **Velegrakis A.** and Lowag J., **2018**. Shallow soft sediment mounds at a semi-enclosed embayment: Gulf of Gera, Lesvos Island, Greece. *Geo-marine Letters* 38 (4), 359-370
- Tzoraki O., I. Monioudi, **A.F. Velegrakis**, N. Moutafis, G. Pavlogeorgatos D. Kitsiou, **2018**. Vulnerability and resilience of island beaches under Climate Change. *Coastal Management* 46 (2), 78-102.
- Zarkogiannis S., Kontakiotis G., Vousdoukas M.I., **Velegrakis A.F.**, Collins M.B., Antonarakou E., **2018**. Scarping of artificially nourished mixed sand and gravel beaches: Sedimentological characteristics of Hayling Island beach, S.E England. *Coastal Engineering* 133, 1-12.)

- Tsekouras G.E. V. Trygonis, A.Maniatopoulos, A.Rigos, A. Chatzipavlis, J. Tsimikas, N. Mitianoudis, **A.F. Velegrakis**, **2018**. A Hermite Neural Network Incorporating Artificial Bee Colony Optimization to Model Shoreline Realignment at a Reef-Fronted Beach. *Neurocomputing* 280, 32-45.
- Monioudi I., **Velegrakis A.F.**, Chatzipavlis A., et al., **2017**. Assessment of island beach erosion due to sea level rise: The case of the Aegean Archipelago (Eastern Mediterranean). *Natural Hazards and Earth System Science* 17, 449–466.
- Velegrakis, A.F.**, Trygonis, V., Chatzipavlis, A.E., Karambas, Th., Vousdoukas, M.I., Ghionis, G. Monioudi I.N., 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, Supplement 1, 201–222.
- Monioudi I.N., Karditsa A., Chatzipavlis A., Alexandrakis G., Andreadis O.P, **Velegrakis A.F.**, Poulos S.E., Ghionis G., Petrakis S., Sifnioti D., Hasiotis T., Lipakis M., Kampanis N.and Marinou E., **2016**. Assessment of the vulnerability of the eastern Cretan beaches (Greece) to sea level rise. *Regional Environmental Change*, 16 (7), 1951–1962
- Rigos A., Tsekouras G.E., Vousdoukas M.I., Chatzipavlis A. and **Velegrakis A.F.**, **2016**. A Chebyshev polynomial RBF neural network for automated shoreline extraction from coastal imagery. *Integrated Computer-Aided Engineering*, 23 (2), 141-160.
- Katsanevakis S., Levin N., Coll M., Giakoumi S., Shkedi D., Mackelworth P., Levy R., **Velegrakis A.F.**, Koutsoubas D., Caric H., Brokovich E., Ozturk B. and Kark S., **2015**. Marine conservation challenges in an era of economic crisis and geopolitical instability: The case of the Mediterranean Sea. *Marine Policy*, 51, 31-39.
- Allenbach, K., Garonna, I., Herold, C., Monioudi, I., Giuliani, G., Lehmann, **A.F. Velegrakis**, **2015**. Black Sea beach vulnerability to sea level rise. *Environmental Science & Policy* 46, 95–109. <http://dx.doi.org/10.1016/j.envsci.2014.07.014>
- Kontogianni, A.D., Damigos, D., Tourkolias C., Vousdoukas M.I., **Velegrakis A.F.**, Zanou B. and Skourtos M., **2014**. The social cost of coastal erosion: eliciting beach users' willingness to pay for protecting European beaches from beachrock processes. *Ocean & Coastal Management*, 98, 167-175.
- Rigos, A. M. I. Vousdoukas, G. E. Tsekouras, O. P. Andreadis and **A. F. Velegrakis**, **2014**. On the systematic implementation of artificial neural networks in the classification of variance images and shoreline extraction. *Fresenius Environmental Bulletin*, Vol. 23, 2677-2686.
- Becker A, M Acciaro, R Asariotis, E Cabrera, L Cretegnny, P Crist, M Esteban, A Mather, S Messner, S Naruse, AKY Ng, S Rahmstorf, M Savonis, DW Song, V Stenek and **AF Velegrakis**, **2013**. A note on climate change adaptation for seaports: A challenge for global ports, a challenge for global society. *Climatic Change*, 120, 683-695).
- Vousdoukas, M.I., **A.F. Velegrakis**, M. Paul, C. Dimitriadis, E. Makrykosta, D. Koutsoubas, **2012**. Field observations and modeling of wave attenuation over colonized beachrocks.. *Continental Shelf Research*, 48, 100-109.
- Velegrakis, A.F.**, Ballay, A., Poulos, S., Radzevičius, R., Bellec, V., and Manso, F., **2010**. European marine aggregates resources: Origins, usage, prospecting and mining techniques *Journal of Coastal Research*, SI 51, 1-14.
- Van Lancker, V.R.M., Bonne, W., Garel, E., Degrendele, K., Roche, M., Dries Van den Eynde, D, Bellec, V., Brière, C., Collins, M.B., and **Velegrakis, A.F.** **2010**. Recommendations for the sustainable exploitation of tidal sandbanks. *Journal of Coastal Research*, SI 51, 151-164.
- Van Lancker, V., Bonne, W., **Velegrakis, A.F.**, and Collins, M.B., **2010**. Sand extraction on tidal sandbanks: maintenance mechanism versus the creation of sandpits. *Journal of Coastal Research*, SI 51, 49-56. (IF 0.90)
- Radzevičius, R., **Velegrakis, A.F.**, Bonne, W., Kortekaas, S., Garel, E., Blažauskas, N., and Asariotis, R., **2010**. Marine Aggregate Extraction Regulation in EU Member States. *Journal of Coastal Research*, SI 51, 15-36.
- Vousdoukas, M., **Velegrakis, A.F.** and Karambas, Th., **2009**. Morphology and sedimentology of a beachrock-infected beach: Vatera Beach, Lesbos, Greece. *Continental Shelf Research*, 29, 1937–1947.
- Vousdoukas, M.I., **Velegrakis, A.F.**, Kontogianni, A. and Makrykosta, N.E. **2009**. Implications of the cementation of beach sediments (beachrock formation) for the recreational use of the beach. *Tourism Management* 30, 544-552.
- Vousdoukas. M.I., **Velegrakis A.F.**, Dimou K, Zervakis V., and Conley D.C., **2009**. Wave run-up observations in microtidal, sediment-starved beaches of the Eastern Mediterranean. *Journal of Marine Systems*, 78, 537-547.)
- Velegrakis, A.F.**, Vousdoukas, M., Andreadis, O., Pasakalidou E., Adamakis, G., Meligonitis, R and Kokolatos G., . **2008**. Influence of dams on downstream beaches: Eressos, Lesbos, Eastern Mediterranean. *Marine Georesources and Geotechnology*, 26, 350–371.

- Vousdoukas, M., **Velegrakis, A.F.**, and Plomaritis, C., **2007**. Beachrock occurrence, characteristics, formation mechanisms and impacts. *Earth Science Reviews*, 85, 23-46.
- Velegrakis A.F.**, Vousdoukas M., Vagenas, A.M., Karambas, Th., Dimou, K. and Zarkadas, Th., **2007**. Coastal waves generated by passing ships. *Coastal Engineering*. 54, 369-375.
- Friend, P.I., **Velegrakis, A.F.**, Weatherston, P.D. and Collins, M.B., **2006**. Sediment transport pathways in a dredged ria system, SW England. *Estuarine, Coastal and Shelf Science*. 67, 491-502.
- Kapsimalis, V., Masse, L., **Velegrakis, A.F.**, Tastet, J.P., **2004**. Morphological development of an estuarine bank: St Georges Bank, Gironde Estuary, France. *Journal of Coastal Research*, SI 41, 27-42.
- Gao, S., **Velegrakis, A.F.** and Collins, M.B., **2002**. Observation of a shallow water internal oscillation event. *Chinese Journal of Oceanology and Limnology*, 20, 86-90.
- Ediger, V., **Velegrakis, A.F.** and Evans, G. **2002**. Upper slope sediment waves in the Cilician Basin, Northeastern Mediterranean. *Marine Geology*, 192, 321-333.
- Paphitis, D., **Velegrakis, A.F.**, Collins, M.B. and Muirhead, S. **2001**. Laboratory investigations into the threshold of movement of natural sand-sized sediments, under unidirectional, oscillatory and combined flows. *Sedimentology*, 48, 645, 659.
- Velegrakis, A.F.**, Oikonomou, E., Theocharis, A., Collins, M.B., Kontoyiannis, H., Papadopoulos V., Voulgaris G., Balopoulos E. and Wells, T., **1999**. Internal waves revealed by Synthetic Aperture Radar (SAR) imagery at the eastern Cretan Arc Straits (Eastern Mediterranean). *Progress in Oceanography*, 44, 553-572.
- Tsimplis, M.N., **Velegrakis A. F.**, Drakopoulos, P., Theocharis, A. and Collins, M.B., **1999**. Cretan Deep Water outflow at the Straits of Crete. *Progress in Oceanography*, 44, 531-551.
- Velegrakis, A. F.**, Michel, D., Collins, M.B., Lafite, R., Oikonomou, E., Dupont, J.P., Huault, M.F., Lecouturier, M., Salomon, J.C., and Bishop, C., **1999**. Sources, sinks and resuspension of suspended particulate matter in the Eastern English Channel. *Continental Shelf Research*, 19, 1933-1957.
- Kontoyiannis, H., Theocharis, A., Balopoulos E., Kioroglou, S., Papadopoulos, V., Collins, M.B., **Velegrakis, A. F.** and Iona, A., **1999**. Water fluxes through the Cretan Arc Straits, Eastern Mediterranean: March 1994-June 1995. *Progress in Oceanography*, 44, 511-529.
- Velegrakis, A. F.**, Dix J.K., and Collins, M.B., **1999**. Late Quaternary evolution of the upper reaches of the Solent River, southern England, based upon marine geophysical evidence. *Journal of Geological Society of London*, 156, 73-87.
- Tsimplis, M.N., **Velegrakis, A. F.**, Theocharis A., and Collins, M.B., **1997**. Low frequency current variability at the straits of Crete. *Journal of Geophysical Research*, 102, 25005-25020.
- Velegrakis, A. F.**, Gao S., Lafite, R., Dupont, J.P., Huault, M. F., Nash, L. and Collins, M.B., **1997**. Resuspension and advection processes affecting Suspended Particulate Matter concentration variations in the Eastern English Channel. *Journal of Sea Research*, 38, 17-34

## C. International Conferences

### (a) Proceedings

- Monioudi I.N., Chatzipavlis A.E., Nikolaou A., **Velegrakis A.F.**, Hasiotis **2023**. Exploring beach visitors' willingness to pay for protecting island beaches from erosion: The case of Marmari beach in Kos, Greece. CEST 2023. 18<sup>th</sup> International Conference on Environmental Science and Technology, Athens Greece .
- Velegrakis A.**, Papadatou K., Chadjimitsis D., Hasiotis T., Monioudi I., Kontopyrakis K., **2023**. Coastal flood and erosion risk under climate change: An overview of policies and legislation in Greece and Cyprus CEST 2023. 18<sup>th</sup> International Conference on Environmental Science and Technology, Athens Greece .
- Hasiotis, T., Velegrakis A., Chadjimitsis D., Loizidi M., **2023**. Beach erosion due to climate change: evaluation and best mitigation practices in touristic beaches of North Aegean Islands and Cyprus – The methodological structure of BEACHTECH project.
- Velegrakis A.**, Monioudi I., Vousdoukas M., Tzoraki O., Hasiotis T., **2023**. Drivers and impacts of beach erosion in Eastern Mediterranean Islands . CEST 2023. 18<sup>th</sup> International Conference on Environmental Science and Technology, Athens Greece
- Velegrakis A.**, Papadatou K., Alves B., Hasiotis T., and Armaroli C., **2022**. International and EU Policies and Legislation for Coastal Floods. Marine and Inland waters Research Symposium, Port Heli, 16-20 September 2022. 4 pp.
- Chatzipavlis A.E., Trygonis V. and **Velegrakis A.F.**, **2022**. High frequency shoreline and wave run up detections though optical video imagery. An Example from Kamari beach, Santorini Greece. Proceedings Marine and Inland Waters Research Symposium 2022, 623-627.

- Manoutsoglou E., Hasiotis T., Andreadis O. and **Velegrakis A.**, 2022. Holocene records of oyster reefs in a semi-enclosed embayment: Kalloni Gulf, Lesvos Greece. Proceedings Marine and Inland Waters Research Symposium 2022, 611-615.
- Lioupa V., Poulos A., Petsimeris I.Th., Andreadis O., Hasiotis T. and **Velegrakis A.**, 2022. An unusual coastal depression at Eastern Lesvos island: Assuming possible formation mechanisms. Proceedings Marine and Inland Waters Research Symposium 2022, 617-621.
- Monioudi I.N., Velegrakis A.F., Vousdoukas M.I., Chatzistratis D. and Chalazas Th., 2022. Coastal hazards under Climate Variability and Change. The cases of Santorini and Crete Aegean Sea, Greece. Proceedings Marine and Inland Waters Research Symposium 2022, 51-56.
- Manoutsoglou E., Hasiotis T., Andreadis O., **Velegrakis A.**, 2021. Seismic evidence of shallow-seated fluids in the Gulf of Gera, Lesvos Proceedings of the 4th International Congress on Applied Ichthyology, Oceanography & Aquatic Environment (HYDROMEDIT), 4-6 November 2021, Mytilene, Lesvos, Greece, pp.240-253.
- Chalazas T., Chatzistratis D., **Velegrakis A.F.**, 2021. Spatial prioritisation for coastal management based on erodibility assessment paired with socio-economic elements Proceedings of the 4th International Congress on Applied Ichthyology, Oceanography & Aquatic Environment (HYDROMEDIT), 4-6 November 2021, Mytilene, Lesvos, Greece, pp. 425-429
- Monioudi I.N., Markozanes F., **Velegrakis A.F.**, Chatzipavlis A.E., Cúlibrk A., 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
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