

## Attached List of Hetero-Citations

for the Curriculum Vitae of Dr. Christos V. Makris

### **HETERO-CITATIONS PER PUBLICATION\* (Total: 392)**

\*the code numbers of the publications correspond to their numbering in the Curriculum Vitae of Dr. Christos V. Makris

#### **A.1.1.**

- 1) Janafza, S. (2024). *Risultati sull'impatto degli scenari attuali e futuri degli eventi naturali nel Comune di Sestri Levante* (Results on the impact of current and future scenarios of natural events in the municipality of Sestri Levante). MSc Thesis, University of Genoa. [URL](#)
- 2) Amarouche, K., Akpınar, A. (2024). Wind-Sea and Swell Climate in the Black and Azov Seas, Based on 42-Year Spectral Wave Hindcast. Preprint available at SSRN: <https://ssrn.com/abstract=4738019> or <http://dx.doi.org/10.2139/ssrn.4738019>
- 3) Velegrakis, A.F. et al. (2024). Coastal Hazards and Related Impacts in Greece. In: Darques, R., Sidiropoulos, G., Kalabokidis, K. (eds) *The Geography of Greece*. World Regional Geography Book Series. Springer, Cham. [https://doi.org/10.1007/978-3-031-29819-6\\_21](https://doi.org/10.1007/978-3-031-29819-6_21)
- 4) Baldoni A, Melito L, Marini F, Galassi G, Giacomini P, Filomena G, Barbizzi N, Lorenzoni C and Brocchini M (2024) Modeling coastal inundation for adaptation to climate change at local scale: the case of Marche Region (central Italy). *Front. Clim.* 6:1334625. [doi:10.3389/fclim.2024.1334625](https://doi.org/10.3389/fclim.2024.1334625)
- 5) Falciano, A., Anzidei, M., Greco, M., Trivigno, M.L., Vecchio, A., Georgiadis, C., Patias, P., Crosetto, M., Navarro, J., Serpelloni, E. et al. (2023). The SAVEMEDCOASTS-2 webGIS: The Online Platform for Relative Sea Level Rise and Storm Surge Scenarios up to 2100 for the Mediterranean Coasts. *J. Mar. Sci. Eng.*, 11, 2071. <https://doi.org/10.3390/jmse11112071>
- 6) Santos-Echeandía J., Bernárdez P., Sánchez-Marín P. (2023). Trace metal level variation under strong wind conditions and sediment resuspension in the waters of a coastal lagoon highly impacted by mining activities. *Science of The Total Environment*, Vol. 905, December 2023, 167806. <https://doi.org/10.1016/j.scitotenv.2023.167806>
- 7) Ghanavati, M., Young, I., Kirezci, E. et al. (2023). An assessment of whether long-term global changes in waves and storm surges have impacted global coastlines. *Sci Rep* 13, 11549. [doi:10.1038/s41598-023-38729-y](https://doi.org/10.1038/s41598-023-38729-y)
- 8) Monioudi IN, Velegrakis AF, Chatzistratis D, Vousdoukas MI, Savva C, Wang D, Bove G, Mentaschi L, Paprotny D, Morales-Nápoles O, Chatzipavlis AE, Hasiotis T and Manoutsoglou E (2023). Climate change - induced hazards on touristic island beaches: Cyprus, Eastern Mediterranean. *Front. Mar. Sci.* 10:1188896. [doi:10.3389/fmars.2023.1188896](https://doi.org/10.3389/fmars.2023.1188896)
- 9) Malliouri DI, Moraitis V, Petrakis S, Vandarakis D, Hatiris G-A, Kapsimalis V. (2023). A Non-Stationary and Directional Probabilistic Analysis of Coastal Storms in the Greek Seas. *Water*, 15(13):2455. <https://doi.org/10.3390/w15132455>

- 10) Agulles Gámez, M., 2023. *Coastal hazards under climate change. The case of the Balearic Islands*. Doctoral Thesis, Universitat de les Illes Balears. [URL](#)
- 11) Elsen, P.R., Oakes, L.E., Cross, M.S., DeGemmis, A., Watson, J.E., Cooke, H.A., Darling, E.S., Jones, K.R., Kretser, H.E., Mendez, M. and Surya, G., 2023. Priorities for embedding ecological integrity in climate adaptation policy and practice. *One Earth*, 6(6), pp.632-644. <https://doi.org/10.1016/j.oneear.2023.05.014>
- 12) Mel RA, Lo Feudo T., Miceli M., Sinopoli S., Maiolo M. (2023). A coupled wave-hydrodynamical model to assess the effect of Mediterranean storms under climate change: the Calabaia case study. *Dynamics of Atmospheres and Oceans*, 101368. [doi:10.1016/j.dynatmoce.2023.101368](https://doi.org/10.1016/j.dynatmoce.2023.101368)
- 13) Papasarafianou, S., Gkaifyllia, A., Iosifidi, A-E., Sahtouris, S., Wulf, N., Culibrk, A., Stamataki, M-D., Chatzivasileiou, T., Siarkos, I., Rouvenaz, C., et al. (2023). Vulnerability of Small Rivers Coastal Part Due to Floods: The Case Study of Lesvos West—North Coast. *Environ. Sci. Proc.*, MDPI, 5. <https://doi.org/10.3390/xxxxx>
- 14) Lionello, P., Sannino, G. and Vilibic, I. (2023). Surface wave and sea surface dynamics in the Mediterranean. *Oceanography of the Mediterranean Sea, An Introductory Guide*. Book Chapter, Elsevier, pp. 161-207. [doi:10.1016/B978-0-12-823692-5.00007-8](https://doi.org/10.1016/B978-0-12-823692-5.00007-8)
- 15) Sarkar, N., Rizzo, A., Vandelli, V., Soldati, M. (2022). A Literature Review of Climate-Related Coastal Risks in the Mediterranean, a Climate Change Hotspot. *Sustainability*, 14, 15994. [doi:10.3390/su142315994](https://doi.org/10.3390/su142315994)
- 16) Ali, E., W. Cramer, J. Carnicer, E. Georgopoulou, N.J.M. Hilmi, G. Le Cozannet, and P. Lionello, 2022: Cross-Chapter, Paper 4: Mediterranean Region. *In: Climate Change 2022: Impacts, Adaptation and Vulnerability*. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [H.-O. Pörtner, D.C. Roberts, M. Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA, pp. 2233–2272. [doi:10.1017/9781009325844.021](https://doi.org/10.1017/9781009325844.021)
- 17) Šepić, J., Pasarić, M., Međugorac, I., Vilibić, I., Karlović, M., Mlinar, M. (2022). Climatology and process-oriented analysis of the Adriatic sea level extremes, *Progress in Oceanography*. [doi:10.1016/j.pocean.2022.102908](https://doi.org/10.1016/j.pocean.2022.102908)
- 18) Pepi Y., Streicher M., Ricci C., Franco L., Bellotti G., Hughes S., Troch P. (2022). The effect of variations in water level on wave overtopping discharge over a dike: An experimental model study, *Coastal Engineering*, 104199. [doi:10.1016/j.coastaleng.2022.104199](https://doi.org/10.1016/j.coastaleng.2022.104199)
- 19) Jardine A. (2022). *A Multidisciplinary Analysis of Coastal Storms in Western Britain, 1800-2020*. PhD thesis, University of York. <https://etheses.whiterose.ac.uk/32453/>
- 20) Saviano S, Biancardi AA, Uttieri M, Zambianchi E, Cusati LA, Pedroncini A, Contento G, Cianelli D. (2022). Sea Storm Analysis: Evaluation of Multiannual Wave Parameters Retrieved from HF Radar and Wave Model. *Remote Sensing*. 14(7):1696. [doi.org/10.3390/rs14071696](https://doi.org/10.3390/rs14071696)
- 21) Mel, R.A., Lo Feudo, T., Miceli, M., Sinopoli, S. and Maiolo, M. (2022). A coupled modelling system to assess the effect of Mediterranean storms under climate change. *Natural Hazards and Earth System Sciences Discussions*, pp.1-31. [doi:10.5194/nhess-2022-67](https://doi.org/10.5194/nhess-2022-67)

- 22) Toomey, T., Amores, A., Marcos, M., Orfila, A. and Romero, R. (2022). Coastal hazards of tropical - like cyclones over the Mediterranean Sea. *Journal of Geophysical Research: Oceans*, p.e2021JC017964. doi:10.1029/2021JC017964
- 23) Menicagli, V., De Battisti, D., Balestri, E., Federigi, I., Maltagliati, F., Verani, M., Castelli, A., Carducci, A. and Lardicci, C. (2022). Impact of storms and proximity to entry points on marine litter and wrack accumulation along Mediterranean beaches: Management implications. *Science of The Total Environment*, p.153914. doi:10.1016/j.scitotenv.2022.153914
- 24) Gündoğdu S., Ayat B., Aydoğan B., Çevik C., Karaca S. (2022). Hydrometeorological assessments of the transport of microplastic pellets in the Eastern Mediterranean, *Science of The Total Environment*, 153676, doi.org/10.1016/j.scitotenv.2022.153676
- 25) Pérez Gómez, B., Vilibić, I., Šepić, J., Međugorac, I., Ličer, M., Testut, L., Fraboul, C., Marcos, M., Abdellaoui, H., Álvarez Fanjul, E., Barbalic, D., Casas, B., Castaño-Tierno, A., Čupić, S., Drago, A., Fraile, M. Á., Galliano, D. A., Gauci, A., Gloginja, B., Martín Guijarro, V., Jeromel, M., Larrad Revuelto, M., Lazar, A., Keskin, I. H., Medvedev, I., Menassri, A., Meslem, M. A., Mihanović, H., Morucci, S., Niculescu, D., Quijano de Benito, J. M., Pascual, J., Palazov, A., Picone, M., Raich, F., Said, M., Salat, J., Sezen, E., Simav, M., Sylaios, G., Tel, E., Tintoré, J., Zaimi, K., and Zodiatis, G. (2022). Coastal Sea Level Monitoring in the Mediterranean and Black Seas, *Ocean Science*, 18, 997–1053. doi:10.5194/os-2021-125
- 26) Amarouche K., Akpınar A., and Semedo A. (2022). Wave storm events in the Western Mediterranean Sea over four decades. *Ocean Modelling*, 101933. doi:10.1016/j.ocemod.2021.101933
- 27) Goyetche T. (2021). *Seawater Intrusion, transition zone dynamics and reactive mixing: Example of Argentona coastal alluvial aquifer*. Ph.D. Thesis, Hydrogeology Group (GHS), Institute of Environmental Assessment and Water Research (IDAEA, CSIC), Department of Civil and Environmental Engineering (DECA). <http://hdl.handle.net/10803/674441>
- 28) Flaounas, E., Davolio, S., Raveh-Rubin, S., Pantillon, F., Miglietta, M.M., Gaertner, M.A., Hatzaki, M., Homar, V., Khodayar, S., Korres, G. and Kotroni, V. (2021). Mediterranean cyclones: Current knowledge and open questions on dynamics, prediction, climatology and impacts. *Weather and Climate Dynamics Discussions*, pp.1-68. doi:10.5194/wcd-3-173-2022
- 29) Agulles M., Jordà G. and Lionello P. (2021). Flooding of Sandy Beaches in a Changing Climate. The Case of the Balearic Islands (NW Mediterranean). *Front. Mar. Sci.* 8:760725. doi:10.3389/fmars.2021.760725
- 30) Cappelletto, M., Santoleri, R., Evangelista, L., Galgani, F., Garcés, E., Giorgetti, A., Fava, F., Herut, B., Hilmi, K., Kholeif, S., Lorito, S. et al. (2021). The Mediterranean Sea we want. *Ocean and Coastal Research*, 69. doi:10.1590/2675-2824069.21019mc
- 31) Dickson LC, Katselidis KA, Eizaguirre C, Schofield G. (2021). Incorporating Geographical Scale and Multiple Environmental Factors to Delineate the Breeding Distribution of Sea Turtles. *Drones*, MDPI, 5(4):142. doi:10.3390/drones5040142
- 32) Fortelli A, Fedele A, De Natale G, Matano F, Sacchi M, Troise C, Somma R. (2021). Analysis of Sea Storm Events in the Mediterranean Sea: The Case Study of 28 December 2020 Sea Storm in the Gulf of Naples, Italy. *Applied Sciences*. MDPI, 11(23):11460. doi:10.3390/app112311460

- 33) Amarouche K., Akpınar A., Soran M. B., Myslenkov S., Majidi A.G., Kankala M., Arkhipkin V. (2021). Spatial calibration of an unstructured SWAN model forced with CFSR and ERA5 winds for the Black and Azov Seas. *Applied Ocean Research*, Elsevier, Vol. 117, 102962. doi:10.1016/j.apor.2021.102962
- 34) Zampazas G., Karymbalis E., Chalkias C. (2021). Assessment of the sensitivity of Zakynthos Island (Ionian Sea, Western Greece) to climate change-induced coastal hazards. *Zeitschrift für Geomorphologie* doi:10.1127/zfg/2021/0730
- 35) Hochman, A., Marra, F., Messori, G., Pinto, J.G., Raveh-Rubin, S., Yosef, Y. and Zittis, G. (2021). ESD Reviews: Extreme Weather and Societal Impacts in the Eastern Mediterranean. *Earth System Dynamics Discussions*, pp.1-53. doi:/10.5194/esd-2021-55
- 36) Lionello, P., Barriopedro, D., Ferrarin, C., Nicholls, R.J., Orlic, M., Raicich, F., Reale, M., Umgiesser, G., Voudoukas, M. and Zanchettin, D. (2020). Extreme floods of Venice: characteristics, dynamics, past and future evolution. *Natural Hazards and Earth System Sciences*, 21, pp. 2705–2731. doi:10.5194/nhess-21-2705-2021
- 37) Mel R. A. (2021). Exploring the partial use of the Mo.S.E. system as effective adaptation to rising flood frequency of Venice, *Nat. Hazards Earth Syst. Sci.*, 21, 3629–3644, doi:10.5194/nhess-21-3629-2021.
- 38) Pérez-Gómez B, García-León M, García-Valdecasas J, Clementi E, Mösso Aranda C, Pérez-Rubio S, Masina S, Coppini G, Molina-Sánchez R, Muñoz-Cubillo A, García Fletcher A, Sánchez González JF, Sánchez-Arcilla A and Álvarez Fanjul E (2021). Understanding Sea Level Processes During Western Mediterranean Storm Gloria. *Front. Mar. Sci.*, 8:647437. doi:10.3389/fmars.2021.647437
- 39) Spinosa A, Ziemba A, Saponieri A, Damiani L, El Serafy G. (2021). Remote Sensing-Based Automatic Detection of Shoreline Position: A Case Study in Apulia Region. *Journal of Marine Science and Engineering*, 9(6):575. doi:10.3390/jmse9060575
- 40) Sancho-García, A., Guillén, J., Gracia, V., Rodríguez-Gómez, A.C. and Rubio-Nicolás, B. (2021). The Use of News Information Published in Newspapers to Estimate the Impact of Coastal Storms at a Regional Scale. *Journal of Marine Science and Engineering*, 9(5), p.497. doi:10.3390/jmse9050497
- 41) Lazarus, E.D. and Ziros, L.A. (2021). Yachts and marinas as hotspots of coastal risk. *Anthropocene Coasts*, 4(1), pp.61-76. doi:10.1139/anc-2020-0012
- 42) Martzikos, N.T., Prinos, P.E., Memos, C.D. and Tsoukala, V.K. (2020). Statistical analysis of Mediterranean coastal storms. *Oceanologia*. doi:10.1016/j.oceano.2020.11.001
- 43) Alcoverro, T., Marco-Méndez, C., Minguito-Frutos, M., Boada, J., Prado, P., Sanmartí, N., Muñoz-Ramos Trayter, G., Pagès, J.F., García, M., Pérez, M.M. and Seglar Arañó, X. (2020). Efectes del temporal Gloria en els ecosistemes de Posidonia oceanica al llarg de la costa catalana. URL
- 44) Delle Rose M, Fidelibus C, Martano P, Orlanducci L. (2020). Storm-Induced Boulder Displacements: Inferences from Field Surveys and Hydrodynamic Equations. *Geosciences*, 10(9):374. <https://doi.org/10.3390/geosciences10090374>
- 45) Bowyer P., Haensel S., Smalley E., Velegrakis A., Dagan M. Wyrowski L. (2020). *Climate Change Impacts and Adaptation for Transport Networks and Nodes*. Technical Report, ECE/TRANS/283. United Nations Economic Commission for Europe (UNECE). United Nations Publications, NY, USA. ISBN 978-92-1-117237-9; eISBN 978-92-1-004779-1
- 46) Denamiel, C., Pranić, P., Quentin, F., Mihanović, H. and Vilibić, I., 2020. Pseudo-global warming projections of extreme wave storms in complex coastal regions: the case of the Adriatic Sea. *Climate Dynamics*, pp.1-27. doi:10.1007/s00382-020-05397-x

- 47) Oprandi, A., Mucerino, L., De Leo, F., Bianchi, C.N., Morri, C., Azzola, A., Benelli, F., Besio, G., Ferrari, M. and Montefalcone, M., 2020. Effects of a severe storm on seagrass meadows. *Science of The Total Environment*, p.141373. [doi:10.1016/j.scitotenv.2020.141373](https://doi.org/10.1016/j.scitotenv.2020.141373)
- 48) Zheng, Y. and Sun, H., 2020. An Integrated Approach for the Simulation Modeling and Risk Assessment of Coastal Flooding. *Water*, 12(8), p.2076. [doi:10.3390/w12082076](https://doi.org/10.3390/w12082076)
- 49) Amarouche, K., Akpınar, A., Çakmak, R.E., Houma, F. and Bachari, N.E.I. (2020). Assessment of storm events along the Algiers coast and their potential impacts. *Ocean Engineering*, 210, p.107432. [doi:10.1016/j.oceaneng.2020.107432](https://doi.org/10.1016/j.oceaneng.2020.107432)
- 50) Papathanasiou, V., Kariofillidou, G., Malea, P. and Orfanidis, S. (2020). Effects of air exposure on desiccation and photosynthetic performance of *Cymodocea nodosa* with and without epiphytes and *Ulva rigida* in comparison, under laboratory conditions. *Marine Environmental Research*, p.104948. [doi:10.1016/j.marenvres.2020.104948](https://doi.org/10.1016/j.marenvres.2020.104948)
- 51) Delle Rose, M., Fidelibus, C. and Miglietta, M.M. (2020). Cambiamento climatico e protezione delle coste. *Ithaca: Viaggio nella Scienza*, 2020 (15), pp.47-56. [URL](#)
- 52) Fernández-Montblanc, T., Voudoukas, M.I., Mentaschi, L. and Ciavola, P. (2020). A Pan-European high resolution storm surge hindcast. *Environment International*, 135, p.105367. [doi:10.1016/j.envint.2019.105367](https://doi.org/10.1016/j.envint.2019.105367)
- 53) Wesselman, D.A. (2020). *Washover inundation and barrier island accretion*. Doctoral Dissertation, Utrecht University. [ISBN:978-90-6266-573-0](https://www.isbn-international.org/product/978-90-6266-573-0)
- 54) Turconi L., Faccini F., Marchese A., Paliaga G., Casazza M., Vojinovic Z. and Luino F. (2019). Implementation of Nature-Based Solutions for Hydro-Meteorological Risk Reduction in Small Mediterranean Catchments: The Case of Portofino Natural Regional Park, Italy. *Sustainability*, 12, 1240. [doi:10.3390/su12031240](https://doi.org/10.3390/su12031240)
- 55) Vilibić, I., Zemunik, P., Šepić, J., Dunić, N., Marzouk, O., Mihanović, H., Denamiel, C., Precali, R. and Djakovac, T. (2019). Present climate trends and variability in thermohaline properties of the northern Adriatic shelf. *Ocean Sci. Discuss.*, Vol. 15, pp. 1351–1362. [doi:10.5194/os-15-1351-2019](https://doi.org/10.5194/os-15-1351-2019)
- 56) Boyes, S. and Elliott, M. (2019). European Challenges to Coastal Management from Storm Surges: Problem-Structuring Framework and Actors Implicated in Responses. In: *Facing hydrometeorological extremes: a governance issue*, Ch. 22, p.341. [doi:10.1002/9781119383567.ch22](https://doi.org/10.1002/9781119383567.ch22)
- 57) Lionello, P., Conte, D. and Reale, M. (2019). The effect of cyclones crossing the Mediterranean region on sea level anomalies on the Mediterranean Sea coast. *Natural Hazards and Earth System Sciences*, 19(7), pp.1541-1564. [doi:10.5194/nhess-19-1541-2019](https://doi.org/10.5194/nhess-19-1541-2019)
- 58) Giannakidou, C., Diakoulaki, D. and Memos, C.D. (2019). Implementing a Flood Vulnerability Index in urban coastal areas with industrial activity. *Natural Hazards*, pp.1-22. [doi:org/10.1007/s11069-019-03629-w](https://doi.org/10.1007/s11069-019-03629-w)
- 59) Toker, E., Sharvit, J., Fischer, M., Melzer, Y. and Potchter, O. (2019). Archaeological, geomorphological and cartographical evidence of the sea level rise in the southern Levantine Basin in the 19<sup>th</sup> and 20<sup>th</sup> centuries. *Quaternary International*. [doi:org/10.1016/j.quaint.2019.05.015](https://doi.org/10.1016/j.quaint.2019.05.015)
- 60) Barbaro, G., Bombino, G., Foti, G., Borrello, M.M. and Puntorieri, P. (2019). Shoreline evolution near river mouth: Case study of Petrace River (Calabria, Italy). *Regional Studies in Marine Science*, p.100619. [doi:10.1016/j.rsma.2019.100619](https://doi.org/10.1016/j.rsma.2019.100619)

- 61) Vraziotis Argyris (2019). *Estimation of coastline regression at the beaches of Western Crete*, Degree Thesis, Ubiveristy of the Aegean, School of Environment, Department of Marine Sciences. <http://hdl.handle.net/11610/19362>
- 62) 池内寛明. (2019). 大陸河川沿岸デルタ域における複合洪水氾濫モデリングに関する研究 (Doctoral dissertation, 東京大学). [URL](#)
- 63) Kypraiou, E. (2018). *Effect of climate change on the wave conditions and the wind induced circulation in the Gulf of Corinth*. MSc Thesis, School of Civil Engineering, University of Patras, Patras, Greece. [URL](#)
- 64) Axon, S. (2018). The human geographies of coastal sustainability transitions. In *Towards Coastal Resilience and Sustainability* (pp. 276-291). Routledge. Taylor and Francis Group. [ISBN: 978-0-815-35863-3](#)
- 65) Gaeta, M.G., Bonaldo, D., Samaras, A.G., Carniel, S. and Archetti, R. (2018). Coupled wave-2D hydrodynamics modeling at the Reno river mouth (Italy) under climate change scenarios. *Water*, 10(10), p.1380. [doi:10.3390/w10101380](#)
- 66) Archetti, R. & Gaeta M.G. (2018). Design of Multipurpose Coastal Protection Measures at the Reno River Mouth (Italy). *Proc. of 28<sup>th</sup> International Ocean and Polar Engineering Conference*, International Society of Offshore and Polar Engineers (ISOPE), June 10-15 2018, Sapporo, Japan. [URL](#)
- 67) Tragaki, A., Gallousi, C., & Karymbalis, E. (2018). Coastal Hazard Vulnerability Assessment Based on Geomorphic, Oceanographic and Demographic Parameters: The Case of the Peloponnese (Southern Greece). *Land*, 7(2), 1-16. [doi:10.3390/land7020056](#)
- 68) Tzoraki, O., Monioudi, I.N., Velegrakis, A.F., Moutafis, N., Pavlogeorgatos, G. & Kitsiou, D. (2018). Resilience of Touristic Island Beaches Under Sea Level Rise: A Methodological Framework. *Coastal Management*, 1-25. [doi:10.1080/08920753.2018.1426376](#)
- 69) Feng, X., Li, M., Yin, B., Yang, D., & Yang, H. (2018). Study of storm surge trends in typhoon-prone coastal areas based on observations and surge-wave coupled simulations. *International Journal of Applied Earth Observation and Geoinformation*. [doi:10.1016/j.jag.2018.01.006](#)
- 70) Kamesh, R., Bala, S., Rafiza, S., Nadia, M., Zaki, M., Marini, M., Amri, M., Nurul M., Huang Y.F., Anis, K., Norlen M., Norbizura A., Rohaida I., Thahiratul Z. and Yazid K. (2018). Projection of Riverine Flooding on Government Healthcare Facilities in Peninsular Malaysia Due To Climate Change. *Geoinformatics and Geostatics: An Overview*, 6(4), pp. 29-35. [doi:10.4172/2327-4581.1000192](#)
- 71) Wesselman, D., Winter, R., Engelstad, A., McCall, R., Dongeren, A., Hoekstra, P., Oost, A. and Vegt, M. (2017). The effect of tides and storms on the sediment transport across a Dutch barrier island. *Earth Surface Processes and Landforms*. [doi:10.1002/esp.4235](#)
- 72) Tsanakas, K., Poulos, S.E. and Monioudi, I. (2017). Sea level rise impact on the beach zone of Katerini region, NW Aegean Sea. *Proc. of the 15<sup>th</sup> International Conference on Environmental Science and Technology (CEST)*, Rhodes, Greece, 31 August - 2 September 2017. [URL](#)
- 73) Jin, Y.D., Zhao, X. and Ma, L.N. (2017). Storm surge characteristics and extreme parameters in the Chengshantou sea area. *IOP Conference Series: Earth and Environmental Science*, Vol. 82. [doi:10.1088/1755-1315/82/1/012052](#)
- 74) Vilibić, I., Šepić, J., Pasarić, M., and Orlić, M. (2017). The Adriatic Sea: A long-Standing Laboratory for Sea Level Studies. *Pure and Applied Geophysics*, Part of Sea Level 2017, pp. 1-47. [doi:10.1007/s00024-017-1625-8](#)

- 75) Ikeuchi, H., Hirabayashi, Y., Yamazaki, D., Muis, S., Ward, P.J., Winsemius, H.C., ... & Kanae, S. (2017). Compound simulation of fluvial floods and storm surges in a global coupled river-coast flood model: Model development and its application to 2007 Cyclone Sidr in Bangladesh. *Journal of Advances in Modeling Earth Systems*, Vol. 9. doi:10.1002/2017MS000943
- 76) Kvočka, D. (2017). *Modelling elevations, inundation extent and hazard risk for extreme flood events*. PhD Thesis, Cardiff University, Cardiff, Wales, UK. <http://orca.cf.ac.uk/101761/>
- 77) Satta, A., Puddu, M., Venturini, S., & Giupponi, C. (2017). Assessment of coastal risks to climate change related impacts at the regional scale: The case of the Mediterranean region. *International Journal of Disaster Risk Reduction*. Vol. 24, pp. 284-296. doi:10.1016/j.ijdr.2017.06.018
- 78) Monioudi, I.N., Velegrakis, A.F., Chatzipavlis, A.E., Rigos, A., Karambas, T., Vousdoukas, M.I. 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 Sciences*, 17(3), 449. doi:10.5194/nhess-17-449-2017
- 79) Vousdoukas, M.I., Mentaschi, L., Voukouvalas, E., Verlaan, M. and Feyen, L. (2017). Extreme sea levels on the rise along Europe's coasts. *Earth's Future*. doi:10.1002/2016EF000505
- 80) Pelte, T. et al. (2017). *Impacts du Changement Climatique dans le Domaine de l'eau*, Bassin de Corse, Eau & Connaissance, Technical Report. [URL](#)
- 81) Tapazidou P. (2017). *Estimation of the shoreline retreat on the coasts of Tunisia*. University of the Aegean, School of Environmental Studies, Department of Marine Sciences, BSc Thesis (Supervisor Professor: Velegrakis A.). (in Greek) [URL](#)
- 82) Katsouris M. (2017). *Estimation of the shoreline retreat on the coasts of East Crete*. University of the Aegean, School of Environmental Studies, Department of Marine Sciences, BSc Thesis (Supervisor Professor: Velegrakis A.). (in Greek) [URL](#)
- 83) Özkaya F.C. (2017). *Denizel süngerlerden fungusların izolasyonu ve elde edilen metabolitlerinin biyoaktivitelerinin taranması*. PhD Thesis (in Turkish) [URL](#)
- 84) Vousdoukas, M.I., Voukouvalas, E., Annunziato, A., Giardino, A. and Feyen, L. (2016). Projections of extreme storm surge levels along Europe. *Climate Dynamics*, Vol. 47, Issue 9, 3171-3190. doi:10.1007/s00382-016-3019-5
- 85) Kvočka, D., Falconer, R.A. and Bray, M. (2016). Flood hazard assessment for extreme flood events. *Natural Hazards*, Vol. 84, Issue 3, 1569–1599. doi:10.1007/s11069-016-2501-z
- 86) Galiatsatou, P. and Prinos, P. (2016). Joint probability analysis of extreme wave heights and storm surges in the Aegean Sea in a changing climate. In: *E3S Web of Conferences* (Vol. 7, p. 02002). EDP Sciences. doi:10.1051/e3sconf/20160702002
- 87) Traut, M., Hanson, S. and Walsh, C. (2016). *Report from the lookout - Understanding climate change impacts on shipping*. Technical Report, Tyndall Centre for Climate Change Research, University of Manchester, University of Southampton. [URL](#)
- 88) Mayo, A.H. and Arenal, I.M. (2015). Tendencias climáticas de las inundaciones costeras en el litoral Gibara-Playa Guardalavaca, provincia Holguín, Cuba. *Revista de Climatología*, 15. [URL](#)

### A.1.2.

- 89) Yang, Y., English, A., Rogers, B. D., Stansby, P. K., Stagonas, D., Buldakov, E., & Draycott, S. (2024). Numerical modelling of a vertical cylinder with dynamic response in steep and breaking waves using

- smoothed particle hydrodynamics. *Journal of Fluids and Structures*, 125, 104049. [doi:10.1016/j.jfluidstructs.2023.104049](https://doi.org/10.1016/j.jfluidstructs.2023.104049)
- 90) Venegas-Aravena P, Cordaro EG. (2024). The Multiscale Principle in Nature (*Principium luxuriæ*): Linking Multiscale Thermodynamics to Living and Non-Living Complex Systems. *Fractal and Fractional*. 8(1):35. <https://doi.org/10.3390/fractalfract8010035>
- 91) Yang, Y. (2023). *Modelling Extreme Wave-Current Conditions and their Interaction with Offshore Renewable Energy Systems*. Doctoral dissertation, The University of Manchester. [URL](#)
- 92) Cukrov A, Landek D, Sato Y, Boras I, Ničeno B. (2023). Water Entry of a Heated Axisymmetric Vertical Cylinder. *Energies*, 16(24):7926. <https://doi.org/10.3390/en16247926>
- 93) Cukrov, A., Landek, D., Sato, Y., Boras, I., Ničeno, B. (2023). Water Entry: A Classical Naval Hydrodynamics Problem Enhanced with the Heat and Mass Transfer, and Applied in an Immersion Quenching Simulation. *Preprints*, MDPI, 2023101452. [doi:10.20944/preprints202310.1452.v1](https://doi.org/10.20944/preprints202310.1452.v1)
- 94) Dai, Z., Li, X., Lan, B. (2023). Three-Dimensional Modeling of Tsunami Waves Triggered by Submarine Landslides Based on the Smoothed Particle Hydrodynamics Method. *J. Mar. Sci. Eng.*, 11, 2015. <https://doi.org/10.3390/jmse11102015>
- 95) Altomare, C., Scandura, P., Cáceres, I. and Viccione, G., 2023. Large-scale wave breaking over a barred beach: SPH numerical simulation and comparison with experiments. *Coastal Engineering*, p.104362. [doi:10.1016/j.coastaleng.2023.104362](https://doi.org/10.1016/j.coastaleng.2023.104362)
- 96) Cukrov, A., Sato, Y., Boras, I. and Ničeno, B., 2023. Film Boiling Around a Finite Size Cylindrical Apeximen – A Transient Conjugate Heat Transfer Approach. *Appl. Sci.*, 13(16), 9144. [doi:10.3390/app13169144](https://doi.org/10.3390/app13169144)
- 97) Venegas-Aravena P. and Cordaro E.G. (2023). The unification of the multiscale foundations of nature: Linking multiscale thermodynamics to living and non-living complex systems. *Preprints*. [doi:10.13140/RG.2.2.23018.90562](https://doi.org/10.13140/RG.2.2.23018.90562)
- 98) Cukrov, A., 2023. *Numerical simulation of metal materials quenching by applying Eulerian two-fluid model*. Doctoral Dissertation, University of Zagreb. Faculty of Mechanical Engineering and Naval Architecture. [URL](#)
- 99) Lowe, R. J., Altomare, C., Buckley, M. L., da Silva, R. F., Hansen, J. E., Rijnsdorp, D. P., ... & Crespo, A. J. C. (2022). Smoothed Particle Hydrodynamics simulations of reef surf zone processes driven by plunging irregular waves. *Ocean Modelling*, 171, 101945. <https://doi.org/10.1016/j.ocemod.2022.101945>
- 100) Miranda E.M. (2022). *Simulação de Escoamento Turbulento em um Motor de Foguete com o Modelo de Grandes Escalas (LES)*. Thesis Trabalho de Conclusão de Curso (Bacharelado em Engenharia Aeroespacial), Universidade de Brasília, Brasília. <https://bdm.unb.br/handle/10483/31173>
- 101) Yu T., Meng X., Li T., Guo Q., Li Y. (2022). Numerical simulation of interaction between wave-driven currents and revetment on coral reefs. *Ocean Engineering*, Vol. 254, 111346. [doi:10.1016/j.oceaneng.2022.111346](https://doi.org/10.1016/j.oceaneng.2022.111346)
- 102) Li, Y., Larsen, B., & Fuhrman, D. (2022). Reynolds stress turbulence modelling of surf zone breaking waves. *Journal of Fluid Mechanics*, 937, A7. [doi:10.1017/jfm.2022.92](https://doi.org/10.1017/jfm.2022.92)
- 103) De Padova D., Ben Meftah M., Mossa M., Sibilla S. (2022). A Multi-phase SPH simulation of Hydraulic Jump oscillations and local scouring processes downstream of bed sills. *Advances in Water Resources*, 104097. [doi:10.1016/j.advwatres.2021.104097](https://doi.org/10.1016/j.advwatres.2021.104097)



- 104) Luo M., Khayyer A., Lin P. (2021). Particle methods in ocean and coastal engineering. *Applied Ocean Research*, Elsevier, Vol. 14, 102734. [doi:10.1016/j.apor.2021.102734](https://doi.org/10.1016/j.apor.2021.102734)
- 105) De Padova D, Calvo L, Carbone PM, Maraglino D, Mossa M. (2021). Comparison between the Lagrangian and Eulerian Approach for Simulating Regular and Solitary Waves Propagation, Breaking and Run-Up. *Applied Sciences*. 11(20):9421. [doi:10.3390/app11209421](https://doi.org/10.3390/app11209421)
- 106) De Padova, D. and Mossa, M. (2021). Multi-phase simulation of infected respiratory cloud transmission in air. *AIP Advances*, 11(3), p.035035. [doi:10.1063/5.0047692](https://doi.org/10.1063/5.0047692)
- 107) Ma Z., Yang Y., Zhai G., Bao J. and Teh H.-M. (2021). A study of the impact of plunging waves on the inverted L-shaped breakwater structure based on SPH method, *Ships and Offshore Structures*, [doi:10.1080/17445302.2020.1835055](https://doi.org/10.1080/17445302.2020.1835055)
- 108) Power H.E. (2020). Breaking waves, *Part of Sandy Beach Morphodynamics*, Chapter 6, (Eds D.W.T. Jackson, A.D. Short), Elsevier, pp. 103-130, Part of ISBN 9780081029275, [doi:10.1016/B978-0-08-102927-5.00006-0](https://doi.org/10.1016/B978-0-08-102927-5.00006-0)
- 109) Stringari C.E. (2020). *Data driven Investigations of Broken Wave Behaviour in the Surf and Swash Zones*, March 2020, PhD Thesis, University of Newcastle, Australia. [URL](#)
- 110) De Padova D. and Mossa M. (2020). Hydrodynamics of Regular Breaking Wave. In: *Geophysics and Ocean Waves Studies*, Intech Open, pp. 1-20. [doi:10.5772/intechopen.94449](https://doi.org/10.5772/intechopen.94449)
- 111) Barile S., De Padova D., Mossa M. and Sibilla S. (2020). Theoretical analysis and numerical simulations of turbulent jets in a wave environment. *Physics of Fluids*, 32, 035105 [doi:10.1063/1.5141039](https://doi.org/10.1063/1.5141039)
- 112) Rahardjo A., Trimulyono A. and Manik P. (2020). Analisis Numerik Long Duration Sloshing Single-Phase dan Two-Phase Pada Tangki Prismatic Menggunakan Metode Smoothed Particle Hydrodynamics (SPH). *Jurnal Teknik Perkapalan*, 9(1), 45-58. [URL](#)
- 113) Sumer B.M. and Fuhrman D.R. (2020). *Turbulence in Coastal and Civil Engineering*. World Scientific. Advanced Series on Ocean Engineering, Vol. 51. [doi:10.1142/10829](https://doi.org/10.1142/10829)
- 114) Deshpande P.S. (2020). *Interaction of High Aspect-Ratio Micro-Pillars with Wall Turbulence*. MSc Thesis, 518. [URL](#)
- 115) De Padova, D., Mossa, M. and Sibilla, S. (2020). Characteristics of nonbuoyant jets in a wave environment investigated numerically by SPH. *Environmental Fluid Mechanics*, pp.1-14. [doi:10.1007/s10652-019-09712-x](https://doi.org/10.1007/s10652-019-09712-x)
- 116) Lowe, R.J., Buckley, M.L., Altomare, C., Rijnsdorp, D.P., Yao, Y., Suzuki, T. and Bricker, J. (2019). Numerical simulations of surf zone wave dynamics using Smoothed Particle Hydrodynamics. *Ocean Modelling*, p.101481. [doi:10.1016/j.ocemod.2019.101481](https://doi.org/10.1016/j.ocemod.2019.101481)
- 117) De Padova D. Ben Meftah M. , De Serio F., Mossa M., and Ranieri G. (2019). Experimental and Numerical Investigation of an Irregular Wave. *International Short Course/Conference on Applied Coastal Research Engineering (SCACR)*, 9–11 September 2019, Bari, Italy. [URL](#)
- 118) De Padova, D., Mossa, M. and Sibilla, S. (2019). Numerical investigation of the behaviour of jets in a wave environment. *Journal of Hydraulic Research*, Taylor and Francis, [doi:10.1080/00221686.2019.1647886](https://doi.org/10.1080/00221686.2019.1647886)
- 119) Trimulyono, A., Hashimoto, H. and Matsuda, A. (2019). Experimental Validation of Single- and Two-Phase Smoothed Particle Hydrodynamics on Sloshing in a Prismatic Tank. *Journal of Marine Science and Engineering*, 7, 247. [doi:10.3390/jmse7080247](https://doi.org/10.3390/jmse7080247)

- 120) De Padova, D., Meftah, M.B., De Serio, F., Mossa, M. and Sibilla, S. (2019). Characteristics of breaking vorticity in spilling and plunging waves investigated numerically by SPH. *Environmental Fluid Mechanics*, pp.1-28. [doi:org/10.1007/s10652-019-09699-5](https://doi.org/10.1007/s10652-019-09699-5)
- 121) Wei, Z., Edge, B.L., Dalrymple, R.A. and Hérault, A. (2019). Modeling of wave energy converters by GPUSPH and Project Chrono. *Ocean Engineering*, 183, pp.332-349. [doi:10.1016/j.oceaneng.2019.04.029](https://doi.org/10.1016/j.oceaneng.2019.04.029)
- 122) Sarfaraz, M. and Pak, A. (2019). Weakly compressible SPH simulation of cnoidal waves with strong plunging breakers. *Ocean Dynamics*, pp.1-22. [doi:10.1007/s10236-019-01266-2](https://doi.org/10.1007/s10236-019-01266-2)
- 123) Ahmad, N., Bihs, H., Chella, M.A., Kamath, A. and Arntsen, Ø.A. (2019). CFD Modeling of Arctic Coastal Erosion due to Breaking Waves. *International Journal of Offshore and Polar Engineering*, 29(01), pp.33-41. ID:19-29-1-033, Part of ISSN:1053-5381
- 124) Roselli, R.A.R., Vernengo, G., Brizzolara, S. and Guercio, R. (2019). SPH simulation of periodic wave breaking in the surf zone - A detailed fluid dynamic validation. *Ocean Engineering*, 176: 20-30. [doi:10.1016/j.oceaneng.2019.02.013](https://doi.org/10.1016/j.oceaneng.2019.02.013)
- 125) Wei, Z. and Dalrymple, R.A. (2018). Surf Zone Wave Heating by Energy Dissipation of Breaking Waves. *Coastal Engineering Proceedings*, 1(36), p.2. [doi:10.9753/icce.v36.papers.2](https://doi.org/10.9753/icce.v36.papers.2)
- 126) Larsen, B.E. and Fuhrman, D.R. (2018). On the over-production of turbulence beneath surface waves in Reynolds-averaged Navier–Stokes models. *Journal of Fluid Mechanics*, 853, pp.419-460. [doi:10.1017/jfm.2018.577](https://doi.org/10.1017/jfm.2018.577)
- 127) Gotoh, H. and Khayyer, A. (2018). On the state-of-the-art of particle methods for coastal and ocean engineering. *Coastal Engineering Journal*, 1-25. [doi:10.1080/21664250.2018.1436243](https://doi.org/10.1080/21664250.2018.1436243)
- 128) Yang, X. (2017). Study on slamming pressure calculation formula of plunging breaking wave on sloping sea dike. *International Journal of Naval Architecture and Ocean Engineering*. [doi:10.1016/j.ijnaoe.2016.11.008](https://doi.org/10.1016/j.ijnaoe.2016.11.008)
- 129) Ahmad, N., Bihs, H., Chella, M.A., Arntsen, Ø.A. and Aggarwal, A. (2017). Numerical Modelling of Arctic Coastal Erosion Due to Breaking Waves Impact Using REEF3D. *Proc. of 27<sup>th</sup> International Ocean and Polar Engineering Conference*, International Society of Offshore and Polar Engineers (ISOPE). ISBN:978-1-880653-97-5
- 130) Klonaris G. (Κλωνάρης Γ.) (2016). *Μορφοδυναμική ακτής με ύφαλους κυματοθραύστες - Morphodynamics in a beach with submerged breakwaters*. PhD Thesis, NTUA, School of Civil Engineering. [URL](https://www.ntua.gr/~/media/NTUA/Departments/Department_of_Civil_Engineering/Theses/2016/Klonaris_G.pdf)
- 131) Ρεπούσης Ε.Ε.Γ. (2016). *Διερεύνηση Υδροδυναμικού Πεδίου Σε Ύφαλους Διαπερατούς Κυματοθραύστες*. ΜΔΕ Διπλωματική Εργασία, ΕΜΠ, Αθήνα. <http://dx.doi.org/10.26240/heal.ntua.5268> [URL](https://www.ntua.gr/~/media/NTUA/Departments/Department_of_Civil_Engineering/Theses/2016/Ropoulos_EEG.pdf)

### A.1.3.

- 132) Rusu L. (2024). An analysis of the expected wave conditions in the mediterranean sea in the context of global warming. *Ocean Engineering*, Vol. 301, 117487. [doi:10.1016/j.oceaneng.2024.117487](https://doi.org/10.1016/j.oceaneng.2024.117487)
- 133) Rusu, L. (2024). An Analysis of the Environmental Matrix in the Adriatic Sea - Past and Future Projections. *Journal of Sustainable Development of Energy Water and Environment Systems*, 12(2), 1110480. [doi:10.13044/j.sdewes.d11.0480](https://doi.org/10.13044/j.sdewes.d11.0480)

- 134) Paramana T., Karditsa A., Petrakis S., Milatou N., Megalofonou P., Dassenakis M., Poulos S. (2023). Ecosystem-Based Blue Growth: The Case of the Semi-Enclosed Embayment of the Inner NE Ionian Sea and Adjacent Gulfs. *Water*, 15(16):2892. <https://doi.org/10.3390/w15162892>
- 135) Lavidas G., De Leo F., Besio G. (2023). Assessing the integration of an oscillating water column at the planned Genoa breakwater. *Proceedings of the 2<sup>nd</sup> International Scientific Conference on Design and Management of Port Coastal and Offshore Works (DMPCO)*, 24-27 May 2023, Thessaloniki, Greece, vol. 1, pp. 145-149.
- 136) Malliouri DI, Moraitis V, Petrakis S, Vandarakis D, Hatiris G-A, Kapsimalis V. (2023). A Non-Stationary and Directional Probabilistic Analysis of Coastal Storms in the Greek Seas. *Water*, 15(13):2455. <https://doi.org/10.3390/w15132455>
- 137) Kyritsi M, Tsourekis A, Koukaras K, Kamidis N, Krey G, Michailidou S, Argiriou A. Seasonal Dynamics of Marine Bacterial Communities in Aquaculture Farms: The Case of the Northern Ionian Coastal Ecosystem (Mediterranean Sea). *Journal of Marine Science and Engineering*. 2023; 11(7):1332. <https://doi.org/10.3390/jmse11071332>
- 138) Kozyrakos, G.V., Spanoudaki, K. and Varouchakis, E.A., 2023. Long-term wave energy potential estimation in the Aegean and Ionian seas using dynamic downscaling and wave modelling techniques. *Applied Ocean Research*, 131, p.103446. [doi:10.1016/j.apor.2022.103446](https://doi.org/10.1016/j.apor.2022.103446)
- 139) Islek F. and Yuksel Y. (2022). Evaluation of future wind power potential and their projected changes in the Black Sea and possible stable locations for wind farms. *Ocean Engineering*, 266(2). [doi:10.1016/j.oceaneng.2022.112832](https://doi.org/10.1016/j.oceaneng.2022.112832)
- 140) Ortega M., Sánchez E., Gutiérrez C., Molina M.O., López-Franca N. (2022). Regional winds over the Iberian Peninsula (Cierzo, Levante and Poniente) from high resolution COSMO-REA6 reanalysis. *International Journal of Climatology*, 1-18. [doi:org/10.1002/joc.7860](https://doi.org/10.1002/joc.7860)
- 141) Abu Zed A.A., Kansoh R.M., Iskander M.M., Elkholy M. (2022). Wind and Wave Climate Southeastern of the Mediterranean Sea Based on a High-resolution SWAN Model. *Dynamics of Atmospheres and Oceans*, Vol. 99, 101311. [doi:10.1016/j.dynatmoce.2022.101311](https://doi.org/10.1016/j.dynatmoce.2022.101311)
- 142) Rusu E. (2022). Climate Change Effects and Marine Renewable Energy Important Topics Targeted by the Journal of Marine Science, Editorial of *Journal of Marine Science*, Vol. 4, Issue 1, [doi:10.30564/jms.v4i1.4366](https://doi.org/10.30564/jms.v4i1.4366)
- 143) Dickson, L. (2022). *Managing Mobile Marine Wildlife at Site to Regional Scales: Elucidating Factors Driving Distributions and Aggregations*. PhD Thesis, Queen Mary University of London., UK. [URL](https://www.qmul.ac.uk/theses/online-open-access/handle/123456789/12345)
- 144) Dickson LC, Katselidis KA, Eizaguirre C, Schofield G. (2021). Incorporating Geographical Scale and Multiple Environmental Factors to Delineate the Breeding Distribution of Sea Turtles. *Drones*, MDPI, 5(4):142. [doi:10.3390/drones5040142](https://doi.org/10.3390/drones5040142)
- 145) Rusu L. (2021). Marine Renewable Energy Extraction in the Context of the Climate Change.
- 146) Samaras AG, Karambas TV (2021). Modelling the Impact of Climate Change on Coastal Flooding: Implications for Coastal Structures Design. *Journal of Marine Science and Engineering*. MDPI, 9(9):1008. [doi:10.3390/jmse9091008](https://doi.org/10.3390/jmse9091008)
- 147) Vandarakis D, Panagiotopoulos IP, Loukaidi V, Hatiris G-A, Drakopoulou P, Kikaki A, Gad F-K, Petrakis S, Malliouri DI, Chatzinaki M, Morfis I, Kanellopoulos TD, Kapsimalis V. (2021). Assessment of the Coastal Vulnerability to the Ongoing Sea Level Rise for the Exquisite Rhodes Island (SE Aegean Sea, Greece). *Water*, 13(16):2169. [doi:10.3390/w13162169](https://doi.org/10.3390/w13162169)

- 148) Girleanu A., and Rusu E. (2021). On the possibilities of extracting marine renewable energy in the Romanian nearshore workshop. *DREAM Project - Dynamics of the REsources and technological Advance in harvesting Marine renewable energy* - PN-III-P4-ID-PCE-2020-0008, Galați, ROMANIA, 11 June 2021. [URL](#)
- 149) Burloiu M. and Rusu E. (2020). Pre-planning for Black Sea offshore wind farms: a wind speed dataset for three Romanian coastal locations. *Proceedings of the 5<sup>th</sup> International Conference of Maritime Technology and Engineering - MARTECH2020*, University of Lisbon, Portugal, November 2020. [URL](#)
- 150) Lavidas, G.K. and Kaldellis, J. (2020). Assessing Renewable Resources at the Saronikos Gulf for the Development of Multi-Generation Renewable Systems. *Sustainability*, 12, 9169. [doi:10.3390/su12219169](https://doi.org/10.3390/su12219169)
- 151) Anton C., Gasparotti C., Rusu E. (2020). Multicriterial Analysis of the Romanian Coastal Zone Management. *Mechanical Testing and Diagnosis*, Galati, Vol. 10, Issue 3, pp. 10-15. [ISSN:2247-9635](#)
- 152) Ruiz A., Onea F., Rusu E. (2020). Study Concerning the Expected Dynamics of the Wind Energy Resources in the Iberian Nearshore. *Energies*, MDPI, 13, 4832. [doi:10.3390/en13184832](https://doi.org/10.3390/en13184832)
- 153) Lavidas, G., De Leo, F. and Besio, G. (2020). Blue Growth Development in the Mediterranean Sea: Quantifying the Benefits of an Integrated Wave Energy Converter at Genoa Harbour. *Energies*, 13(16), p.4201. [doi:10.3390/en13164201](https://doi.org/10.3390/en13164201)
- 154) Rusu E. (2020). Renewable Energy in Marine Environment an Important Resource for Our Future. Invited Lecture. *Proceedings 8<sup>th</sup> Scientific Conference of Doctoral Schools, Perspectives and challenges in doctoral research*, CSSD-UDJG 2020, Galati, Romania, 18-19 June 2020. [URL](#)
- 155) Rusu E. (2019). A Comparison between the Past and Future Expected Wind Conditions in the European Coastal Environment of the Mediterranean Sea. *Proceedings of the 16<sup>th</sup> International Conference on Environmental Science and Technology (CEST2019)*, Rhodes, Greece, 4-7 September 2019. [URL](#)
- 156) Kalogeri C., Lekas T.I., Kallos G. (2019). Assessing the availability of seaplane operations in the Aegean Sea. *Aeronautics and Aerospace Open Access Journal*, 3(2), pp. 76-82. [doi:10.15406/aaaj.2019.03.00083](https://doi.org/10.15406/aaaj.2019.03.00083)
- 157) Lionello, P., Conte, D. and Reale, M. (2019). The effect of cyclones crossing the Mediterranean region on sea level anomalies on the Mediterranean Sea coast. *Natural Hazards and Earth System Sciences*, 19(7), pp.1541-1564. [doi:10.5194/nhess-19-1541-2019](https://doi.org/10.5194/nhess-19-1541-2019)
- 158) Anton, C., Gasparotti, C., Anton, I.A. and Rusu, E. (2019). Analysis of the Mamaia Bay shoreline retreat using hard and soft protection works. *Journal of Marine Science*, Vol. 1, Issue 1, pp. 7-17. [doi.org/10.30564/jmsr.v1i1.490](https://doi.org/10.30564/jmsr.v1i1.490)
- 159) Alina, C.A.C.G.I. and Rusu, A.E. (2019). Analysis of the Mamaia Bay shoreline Retreat with Hard and Soft Protection Works. *Journal of Marine Science*, Vol.1, Issue 1, pp. 8-18. [doi:10.30564/jmsr.v1i1.490](https://doi.org/10.30564/jmsr.v1i1.490)
- 160) Rusu, L. (2019). Evaluation of the near future wave energy resources in the Black Sea under two climate scenarios. *Renewable Energy*. [doi:10.1016/j.renene.2019.04.092](https://doi.org/10.1016/j.renene.2019.04.092)
- 161) Rusu, E. and Onea, F. (2019). An assessment of the wind and wave power potential in the island environment. *Energy*. Vol. 175, pp. 830-846. [doi:10.1016/j.energy.2019.03.130](https://doi.org/10.1016/j.energy.2019.03.130)
- 162) Rusu, E. (2019). A 30-year projection of the future wind energy resources in the coastal environment of the Black Sea. *Renewable Energy*, Vol. 139, pp. 228-234. [doi:10.1016/j.renene.2019.02.082](https://doi.org/10.1016/j.renene.2019.02.082)
- 163) Ganea, D., Mereuta, E. and Rusu, E. (2019). An Evaluation of the Wind and Wave Dynamics along the European Coasts. *Journal of Marine Science and Engineering*, 7(2), p.43. [doi:10.3390/jmse7020043](https://doi.org/10.3390/jmse7020043)

- 164) Tzatzaki, V. (2018). Adapting the legal framework of natural marine resources management to climate disruption: The case of Greece. *Arctic Review*, 9, pp.359-376. [doi:10.23865/arctic.v9.1214](https://doi.org/10.23865/arctic.v9.1214)
- 165) Rusu E., Diaconita A., and Raileanu A. (2018). An assessment of the wind power dynamics in the European coastal environment. *3<sup>rd</sup> International Conference on Advances on Clean Energy Research (ICACER 2018)*, MATEC Web of Conferences, 6-8 April 2018, Barcelona, Spain. [URL](#)
- 166) Gasparotti, C. and Rusu, E. (2018). An Overview on the Shipbuilding Market in Current Period and Forecast. *Proceedings of the 13<sup>th</sup> Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES)*, Palermo, Italy, September 30 – October 4, 2018. [URL](#)
- 167) Rusu, L. (2018). The influence of climate change on the near future wave energy resources in the Black Sea Basin. *Proceedings of the 13<sup>th</sup> Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES)*, Palermo, Italy, September 30 – October 4, 2018. [URL](#)
- 168) Rusu, E. (2018). An analysis of the storm dynamics in the black sea. *Ro. J. Techn. Sci. – Appl. Mechanics*, Vol. 63, No. 2, p. 131–146. [URL](#)
- 169) Anton, P.S.C., Rusu, E., & Anton, P.S.I. (2018). Approach to the Analysis and Evaluation of Strategic Intervention Options in the Romanian Coastal Zone taking into Account Economic, Social and Environmental Factors. *Proceedings of the 18<sup>th</sup> International Multidisciplinary Scientific GeoConference (SGEM)*, 30 June - 9 July 2018, Varna, Bulgaria. [URL](#)
- 170) Lavidas G. (2018). Developments of energy in EU—unlocking the wave energy potential. *International Journal of Sustainable Energy*. [doi:10.1080/14786451.2018.1492578](https://doi.org/10.1080/14786451.2018.1492578)
- 171) Rusu, E. (2018). Study of the Wave Energy Propagation Patterns in the Western Black Sea. *Applied Sciences*, In: Special Issue "Sustainable Energy Systems Planning, Integration and Management", MDPI, 8, 993. [doi:10.3390/app8060993](https://doi.org/10.3390/app8060993)
- 172) Onea, F., and Rusu, L. (2017). A Long-Term Assessment of the Black Sea Wave Climate. *Sustainability*, 9(10), 1875. [doi:10.3390/su9101875](https://doi.org/10.3390/su9101875)
- 173) Ganea, D., Amortila, V., Mereuta, E. and Rusu, E. (2017). A Joint Evaluation of the Wind and Wave Energy Resources Close to the Greek Islands. *Sustainability*, 9(6):1025. [doi:10.3390/su9061025](https://doi.org/10.3390/su9061025)
- 174) Vagenas, C., Anagnostopoulou, C. & Tolika, K. (2017). Climatic Study of the Marine Surface Wind Field over the Greek Seas with the Use of a High Resolution RCM Focusing on Extreme Winds. *Climate*, 5(2), 29. [doi:10.3390/cli5020029](https://doi.org/10.3390/cli5020029)
- 175) Kostopoulou, E. & Sakellariadou, F. (2017). The relation of Coastal Spatial Planning and Blue Growth and the resolution of the arising conflicts in a coastal area. *Proceedings of the International Maritime Association of the Mediterranean (IMAM) 2017 Annual Conference*. 9-11 October 2017, Lisbon, Portugal. [URL](#)
- 176) Lamprinidis N. & Belibassakis K.A. (2017). Ship weather routing focusing on propulsion energy efficiency. *Proceedings of the 17<sup>th</sup> International Congress of the International Maritime Association of the Mediterranean (IMAM 2017)*, Maritime Transportation and Harvesting of Sea Resources, Vol. 1, pp. 429-437, Lisbon, Portugal, 9-11/10/2017, CRC Press/Balkema. Part of [ISBN:978-081537993-5](https://doi.org/10.1002/9781119379935)

#### A.1.5.

- 177) Lucio D., Lara J.L., Tomás A., Losada I.J. (2024). Projecting compound wave and sea-level events at a coastal structure site under climate change. *Coastal Engineering*, 189, 104490. [doi:10.1016/j.coastaleng.2024.104490](https://doi.org/10.1016/j.coastaleng.2024.104490)

- 178) Stagnitti, M., Lara, J. L., Musumeci, R. E., & Foti, E. (2023). Assessment of the Failure Probability of Upgraded Rubble-Mound Breakwaters. *Coastal Engineering Proceedings*, (37), papers.46. <https://doi.org/10.9753/icce.v37.papers.46>
- 179) Shabakhty, N., & Kharaghani, M. H. (2023). Reliability evaluation of different models' recession failure in berm breakwaters; case study Shahid Beheshti port breakwater. *Journal Of Marine Engineering*, 50-64. <https://marine-eng.ir/article-1-1033-fa.pdf>
- 180) Elkersh K., Atabay S., Yilmaz A.G., Morad Y., Nouar N. (2023). Extending the Design Life of the Palm Jumeirah Revetment Considering Climate Change Effects. *Hydrology*, MDPI, 10(5):111. <https://doi.org/10.3390/hydrology10050111>
- 181) Xu, W., Ma, Y., Liu, G., Li, M., Li, A., Jia, M., He, Z. and Du, Z., 2023. A review of research on tether-type submerged floating tunnels. *Applied Ocean Research*, 134, p.103525. [doi:10.1016/j.apor.2023.103525](https://doi.org/10.1016/j.apor.2023.103525)
- 182) Fernandez A., Lara J.L., Lucio D., Losada I.J. (2022). Adaptation Planning of Regional Ports based on a multi-hazard Climate Change Risk Assessment. *Proceedings of the IAHR World Congress*, pp. 7242 – 7251. [doi:10.3850/IAHR-39WC2521716X2022916](https://doi.org/10.3850/IAHR-39WC2521716X2022916)
- 183) Vafaeipour Sorkhabi, R., Naseri, A., Alami, M.T. and Mojtahedi, A., 2022. Experimental study of an innovative method to reduce the damage of reshaping rubble mound breakwaters. *Innovative Infrastructure Solutions*, 7(6), pp.1-17. [doi:10.1007/s41062-022-00954-1](https://doi.org/10.1007/s41062-022-00954-1)
- 184) Sorkhabi, R.V., Alami, M.T., Naseri, A. and Mojtahedi, A., 2022. Experimental Analysis of the Effect of a Submerged obstacle and Floating Wave Barrier in front of a Rubble Mound Breakwater on Diminishing the Damage Parameter. *International Journal of Coastal, Offshore & Environmental Engineering*, Vol.7, No. 2, Spring 2022 (39-48). [URL](https://www.ijcoee.com/)
- 185) Stagnitti, M., Lara, J.L., Musumeci, R.E. and Foti, E., 2022. Assessment of the variation of failure probability of upgraded rubble-mound breakwaters due to climate change. *Frontiers in Marine Science*, p.1789. [doi:10.3389/fmars.2022.986993](https://doi.org/10.3389/fmars.2022.986993)
- 186) Radfar S., Shafieifar M., Akbari H. (2022). Impact of copula model selection on reliability-based design optimization of a rubble mound breakwater. *Ocean Engineering*, Vol 260, 112023. [doi:10.1016/j.oceaneng.2022.112023](https://doi.org/10.1016/j.oceaneng.2022.112023)
- 187) Pepi, Y., Cecioni, C., and Franco, L. (2022). Role of Armor Roughness in Overtopping Response of Upgraded Multilayer Rubble Mound Breakwaters. *Journal of Waterway, Port, Coastal, and Ocean Engineering*, 148(5), p.04022017. [doi:10.1061/\(ASCE\)WW.1943-5460.0000721](https://doi.org/10.1061/(ASCE)WW.1943-5460.0000721)
- 188) Naseri, A., Sorkhabi, R.V., Alami, M.T. and Mojtahedi, A., 2022. Damage Parameter Variations of Breakwater along with a Floating Wave Barrier and a Submerged Obstacle. *International Journal of Sustainable Construction Engineering and Technology*, 13(1), pp.202-217. [doi:10.30880/ijscet.2022.13.01.018](https://doi.org/10.30880/ijscet.2022.13.01.018)
- 189) Sreekantan P.G., Sinha A.K., Havanagi V.G., and Dayana M. (2022). Failure analysis and mitigation of Shankumugham beach road, Kerala, India—a case study. *Arab J Geosci*, 15, 1263. [doi:10.1007/s12517-022-10536-1](https://doi.org/10.1007/s12517-022-10536-1)
- 190) Alami M.T., Vafaeipour Sorkhabi R., Naseri A.R., Mojtahedi A.R. (2022). Enhancing Stability and Reduce Damage in Rubble-Mound Reshaping Breakwaters by Using Obstacles in Front of the Structure. *Civil Infrastructure Researches*, Vol. 7, Issue 2, pp. 33-49. [doi:10.22091/CER.2021.7367.1297](https://doi.org/10.22091/CER.2021.7367.1297)

- 191) Aalami, M. T., Vafaeipour, R., Naseri, A., & Mojtahedi, A. (2022). Experimental Analysis of the Effect of the Distance of a Submerged Berm in front of a Reshaping Rubble Mound Breakwater on Diminishing the Damage Parameter. *Journal of Civil and Environmental Engineering*, 52(107), 1-13. doi:10.22034/JCEE.2021.45699.2028
- 192) Mostaghiman A., Moghim M. N. (2022). An experimental study of partly/hardly reshaping mass-armored double-berm breakwaters. *Ocean Engineering*, Elsevier, Vol. 243, 110258 doi:10.1016/j.oceaneng.2021.110258
- 193) Radfar S. (2021). *Reliability based design optimization of rubble mound breakwater considering the correlation among design parameters*. PhD Thesis, Dept. of Marine Structures, Tarbiat Modares University. URL
- 194) Radfar S., Shafieifar M., Akbari H., Galiatsatou P.A., Mazyak A.R. (2021). Design of a rubble mound breakwater under the combined effect of wave heights and water levels, under present and future climate conditions. *Applied Ocean Research*, Vol. 112, 102711. doi:10.1016/j.apor.2021.102711
- 195) Celli D., Pasquali D., Fischione P., Di Nucci C., Di Risio M. (2021). Wave-induced dynamic pressure under rubble mound breakwaters with submerged berm: An experimental and numerical study. *Coastal Engineering*, 104014. doi:10.1016/j.coastaleng.2021.104014
- 196) Tabarestani, M.K., Feizi, A. and Bali, M. (2020). Reliability-based design and sensitivity analysis of rock armors for rubble-mound breakwater. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 42(3), pp.1-13. doi:10.1007/s40430-020-2207-8
- 197) Sadeghi, K. and Nouban, F. (2020). A simplified algorithm for conceptual estimation of the material quantities of rubble-mound breakwaters. *Ocean Systems Engineering*, 10(1), 111–129. doi:10.12989/OSE.2020.10.1.111
- 198) Tabarestani, M.K. (2020). Application of reliability theory on stability and sensitivity analysis of armor layer placed on rubble-mound breakwater. *Iranian Journal of Marine Technology*, Vol. 7, Issue 1, Serial Number 19, pp. 76-86. URL
- 199) کریمیایی طبرستانی، 2020. کاربرد تئوری قابلیت اطمینان جهت بررسی پایداری و تحلیل حساسیت اندازه آرمور محافظ موج شکن توده سنگی (فصلنامه علمی دریا فنون، 7(1) pp.76-86. URL
- 200) Fazeres-Ferradosa, T., Taveira-Pinto, F., Rosa-Santos, P. and Chambel, J. (2019). Probabilistic Comparison of Static and Dynamic Failure Criteria of Scour Protections. *Journal of Marine Science and Engineering*, 7 (11), p. 400. doi:10.3390/jmse7110400
- 201) Fazeres-Ferradosa, T., Welzel, M., Taveira-Pinto, F., Rosa-Santos, P. and Chambel, J. (2019). Brief review on the limit state function of dynamic scour protections. *IOP Conference Series: Materials Science and Engineering*, IOP Publishing, Vol. 700, No. 01, p. 2027. doi:10.1088/1757-899X/700/1/012027
- 202) Lee S.Y., Huynh T.-C., Dang N.-L. and Kim J.-T. (2019). Vibration characteristics of caisson breakwater for various waves, sea levels, and foundations. *Smart Structures and Systems*, Vol. 24, No. 4, pp. 525-539. doi:10.12989/sss.2019.24.4.525
- 203) Ranasinghe R. & Jongejan R. (2018). Climate Change, Coasts and Coastal Risk. *Journal of Marine Science and Engineering*, MDPI, 6(4), 141. doi:10.3390/jmse6040141

**A.1.6.**

- 204) Malliouri DI, Moraitis V, Petrakis S, Vandarakis D, Hatiris G-A, Kapsimalis V. (2023). A Non-Stationary and Directional Probabilistic Analysis of Coastal Storms in the Greek Seas. *Water*, 15(13):2455. <https://doi.org/10.3390/w15132455>
- 205) Radfar S., Galiatsatou P., Wahl T. (2023). Application of nonstationary extreme value analysis in the coastal environment – A systematic literature review. *Weather and Climate Extremes*, 100575. [doi:10.1016/j.wace.2023.100575](https://doi.org/10.1016/j.wace.2023.100575)
- 206) Radfar, S. and Galiatsatou, P. (2023). Influence of Nonstationarity and Dependence of Extreme Wave Parameters on the Reliability Assessment of Coastal Structures – A Case Study. *Ocean Engineering*, 273, 113862. [doi:10.1016/j.oceaneng.2023.113862](https://doi.org/10.1016/j.oceaneng.2023.113862)
- 207) Goyal M.K., Gupta A.K., Jha S., Rakkasagi S., Jaina V. (2022). Climate change impact on precipitation extremes over Indian cities: Non-stationary analysis. *Technological Forecasting and Social Change*, Vol. 180, 121685. [doi:10.1016/j.techfore.2022.121685](https://doi.org/10.1016/j.techfore.2022.121685)
- 208) Razmi A., Mardani-Fard H.A., Golian S. et al. (2022). Time-Varying Univariate and Bivariate Frequency Analysis of Nonstationary Extreme Sea Level for New York City. *Environmental Processes*, 9, 8. [doi:10.1007/s40710-021-00553-9](https://doi.org/10.1007/s40710-021-00553-9)
- 209) Galiatsatou P. and Iliadis C. (2022). Intensity-Duration-Frequency Curves at Ungauged Sites in a Changing Climate for Sustainable Stormwater Networks. *Sustainability*, 14(3), 1229. [doi:10.3390/su14031229](https://doi.org/10.3390/su14031229)
- 210) Radfar S., Shafieefar M., Akbari H., Galiatsatou P.A., Mazyak A.R. (2021). Design of a rubble mound breakwater under the combined effect of wave heights and water levels, under present and future climate conditions. *Applied Ocean Research*, Vol. 112, 102711. [doi:10.1016/j.apor.2021.102711](https://doi.org/10.1016/j.apor.2021.102711)
- 211) Jha, S., Das, J. and Goyal, M.K. (2021). Low Frequency Global-Scale Modes and its Influence on Rainfall Extremes over India: Nonstationary and Uncertainty Analysis. *International Journal of Climatology*. [doi:10.1002/joc.6935](https://doi.org/10.1002/joc.6935)
- 212) Takbash, A. and Young, I.R. (2020). Long-Term and Seasonal Trends in Global Wave Height Extremes Derived from ERA-5 Reanalysis Data. *Journal of Marine Science and Engineering*, 8(12), p.1015. [doi:10.3390/jmse8121015](https://doi.org/10.3390/jmse8121015)
- 213) Idier, D., Rohmer, J., Pedreros, R. et al. (2020). Coastal flood: a composite method for past events characterisation providing insights in past, present and future hazards-joining historical, statistical and modelling approaches. *Nat Hazards*. [doi:10.1007/s11069-020-03882-4](https://doi.org/10.1007/s11069-020-03882-4)
- 214) Kudryavtseva, N., Soomere, T., and Männikus, R. (2020). Non-stationary analysis of water level extremes in Latvian waters, Baltic Sea, during 1961–2018, *Nat. Hazards Earth Syst. Sci. Discuss.* [doi:10.5194/nhess-2020-100](https://doi.org/10.5194/nhess-2020-100)
- 215) Haigh, I.D. & Wahl, T. (2019). Advances in extreme value analysis and application to natural hazards. *Natural Hazards*, Springer, pp. 1-4. [doi:10.1007/s11069-019-03628-x](https://doi.org/10.1007/s11069-019-03628-x)

**A.1.7.**

- 216) Chondros MK, Metallinos AS, Papadimitriou AG (2024). Enhanced Mild-Slope Wave Model with Parallel Implementation and Artificial Neural Network Support for Simulation of Wave Disturbance and



- Resonance in Ports. *Journal of Marine Science and Engineering*. 12(2), 281. [doi:10.3390/jmse12020281](https://doi.org/10.3390/jmse12020281)
- 217) Vilko, J., Jakonen, A., Rantavuo, E., Lähdeaho, O., Henttu, V. (2024). Assessing the Impact of Dry Ports to the Supply Chain Safety and Security. In: *Montenegro, C., Rocha, Á., Cueva Lovelle, J.M. (eds) Management, Tourism and Smart Technologies. ICMTT 2023. Lecture Notes in Networks and Systems*, vol 774. Springer, Cham. [https://doi.org/10.1007/978-3-031-43733-5\\_3](https://doi.org/10.1007/978-3-031-43733-5_3)
- 218) Scordamaglia V., A. Ferraro, L. Gurnari, F. Ruffa, C. De Capua and P. Giuseppe Filianoti (2023). A data-driven algorithm for detecting anomalies in underwater sensor-based wave height measurements. *2023 IEEE International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters (MetroSea)*, La Valletta, Malta, pp. 21-26, [doi:10.1109/MetroSea58055.2023.10317188](https://doi.org/10.1109/MetroSea58055.2023.10317188)
- 219) Baltikas, V. and Krestenitis, Y.N. (2023). A SpectralWave Model for Inhomogeneous Water Wave Fields Using the Quasi-Coherent Theory. *J. Mar. Sci. Eng.*, 11, 2066. <https://doi.org/10.3390/jmse11112066>
- 220) Patlakas P., Stathopoulos C., Kalogeri C., Vervatis V., Karagiorgos J., Chaniotis I., Kallos A., Ghulam A.S., Alomary A.M., Papageorgiou I., Diamantis D., Christidis Z., Snook J., Sofianos S., and Kallos G. (2023). The development and operational use of an integrated Numerical Weather Prediction System in the National Center of Meteorology of the Kingdom of Saudi Arabia. *Weather and Forecasting*, AMS. <https://doi.org/10.1175/WAF-D-23-0034.1>
- 221) Pang, T., Wang, X., Nawaz, R.A. et al. (2023). Coastal erosion and climate change: A review on coastal-change process and modeling. *Ambio*. Springer. <https://doi.org/10.1007/s13280-023-01901-9>
- 222) Gan G-Y, Wang Q, Wang Q-F. (2022). A Network DEA Approach for Performance Evaluation of Safety Supervision and Rescue Capability in the Port Waters of Changjiang MSA. *Journal of Marine Science and Engineering*. 10(12):2002. <https://doi.org/10.3390/jmse10122002>
- 223) Nikolic, Ž., Srzic, V., Lovrinovic, I., Perkovic, T., Šolic, P., Kekez, T. (2022). Coastal Flooding Assessment Induced by Barometric Pressure, Wind-Generated Waves and Tidal-Induced Oscillations: Kaštela Bay Real-Time Early Warning System Mobile Application. *Applied Sciences*. 12, 12776. <https://doi.org/10.3390/app122412776>
- 224) Pérez Gómez, B., Vilibić, I., Šepić, J., Međugorac, I., Ličer, M., Testut, L., Fraboul, C., Marcos, M., Abdellaoui, H., Álvarez Fanjul, E., Barbalić, D., Casas, B., Castaño-Tierno, A., Čupić, S., Drago, A., Fraile, M. Á., Galliano, D. A., Gauci, A., Gloginja, B., Martín Guijarro, V., Jeromel, M., Larrad Revuelto, M., Lazar, A., Keskin, I. H., Medvedev, I., Menassri, A., Meslem, M. A., Mihanović, H., Morucci, S., Niculescu, D., Quijano de Benito, J. M., Pascual, J., Palazov, A., Picone, M., Raicich, F., Said, M., Salat, J., Sezen, E., Simav, M., Sylaios, G., Tel, E., Tintoré, J., Zaimi, K., and Zodiatis, G. (2022). Coastal Sea Level Monitoring in the Mediterranean and Black Seas, *Ocean Science*, 18, 997–1053. [doi:10.5194/os-2021-125](https://doi.org/10.5194/os-2021-125)
- 225) Lisboa, S.R.S. (2021). *Definição da estratégia de exploração e do plano de negócio de uma tecnologia inovadora (NavSafety) para promover a segurança de navegação em zonas portuárias*. Thesis. [URL](#)
- 226) Chondros, M., Metallinos, A., Papadimitriou, A., Memos, C., Tsoukala, V. (2021). A Coastal Flood Early-Warning System Based on Offshore Sea State Forecasts and Artificial Neural Networks. *J. Mar. Sci. Eng.*, 9, 1272. [doi:10.3390/jmse9111272](https://doi.org/10.3390/jmse9111272)

**A.1.8.**

- 227) Hendarto, T. (2024). Sustainable Agribusiness Development In Coastal Areas: Integrating Marine Resource Management And Agriculture. *Migration Letters*, 21(S5), pp. 386-400. <https://migrationletters.com/index.php/ml/article/view/7719>
- 228) Badora, D., Wawer, R. and Król-Badziak, A., 2023. Modelling 2050 Water Retention Scenarios for Irrigated and Non-Irrigated Crops for Adaptation to Climate Change Using the SWAT Model: The Case of the Bystra Catchment, Poland. *Agronomy*, 13(2), p.404. <https://doi.org/10.3390/agronomy13020404>
- 229) Re A, Minola L, Pezzoli A. 2023. Climate Scenarios for Coastal Flood Vulnerability Assessments: A Case Study for the Ligurian Coastal Region. *Climate*, 11(3):56. <https://doi.org/10.3390/cli11030056>
- 230) Kyriakopoulos G.L., Sebos I., 2023. Enhancing Climate Neutrality and Resilience through Coordinated Climate Action: Review of the Synergies between Mitigation and Adaptation Actions, *Climate*, MDPI, 11(5):105. <https://doi.org/10.3390/cli11050105>
- 231) Almulla, Y., Zaimi, K., Fejzić, E., Sridharan, V., De Strasser, L. and Gardumi, F., 2023. Hydropower and climate change, insights from the integrated water-energy modelling of the Drin Basin. *Energy Strategy Reviews*, 48, p.101098. <https://doi.org/10.1016/j.esr.2023.101098>
- 232) Atayi, J., Anornu, G.K., Awotwi, A. et al. (2023). Terrestrial water storage and climate variability study of the Volta River Basin, West Africa. *Theoretical and Applied Climatology*. <https://doi.org/10.1007/s00704-023-04636-5>
- 233) Dau, Q.V., Wang, X., Shah, M.A.R., Kinay, P., Basheer, S. (2023). Assessing the Potential Impacts of Climate Change on Current Coastal Ecosystems—A Canadian Case Study. *Remote Sensing*, 15, 4742. <https://doi.org/10.3390/rs15194742>
- 234) Skoulikaris Ch., Venetsanou P., Lazoglou G., Anagnostopoulou Chr., and Voudouris K. (2022). Spatio-Temporal Interpolation and Bias Correction Ordering Analysis for Hydrological Simulations: An Assessment on a Mountainous River Basin. *Water*, 14(4), 660. [doi:10.3390/w14040660](https://doi.org/10.3390/w14040660)
- 235) Nooni, I.K.; Hagan, D.F.T.; Ullah, W.; Lu, J.; Li, S.; Prempeh, N.A.; Gnitou, G.T.; Sian, K.T.C.L.K. (2022). Projections of Drought Characteristics Based on the CNRM-CM6 Model over Africa. *Agriculture* 2022, 12, 495. [doi:10.3390/agriculture12040495](https://doi.org/10.3390/agriculture12040495)
- 236) Stefanopoulou D.K. and Skoulikaris C. (2022). Assessment of hydrodiplomacy effectiveness under climate change: The case study of the transboundary river basins of Greece. *IOP Conf. Ser.: Earth Environ. Sci.*, 1123, 012089. [doi:10.1088/1755-1315/1123/1/012089](https://doi.org/10.1088/1755-1315/1123/1/012089)
- 237) Ibáñez C. and Caiola N. (2021). Sea-level rise, marine storms and the resilience of Mediterranean coastal wetlands: lessons learned from the Ebro Delta. *Marine and Freshwater Research*. [doi:10.1071/MF21140](https://doi.org/10.1071/MF21140)
- 238) Nabih S., Tzoraki O., Zanis P., Tsikerdekis T., Akritidis D., Kontogeorgos I., Benaabidate L. (2021). Alteration of the Ecohydrological Status of the Intermittent Flow Rivers and Ephemeral Streams due to the Climate Change Impact (Case Study: Tsiknias River). *Hydrology*, 8(1), 43. [doi:10.3390/hydrology8010043](https://doi.org/10.3390/hydrology8010043)
- 239) Lee, C.-W. and Yoo, D.-G. (2021). Evaluation of Drought Resilience Reflecting Regional Characteristics: Focused on 160 Local Governments in Korea. *Water*, MDPI, 13, 1873. [doi:10.3390/w13131873](https://doi.org/10.3390/w13131873)

- 240) Skoulikaris, C. (2021). Transboundary Cooperation Through Water Related EU Directives' Implementation Process. The Case of Shared Waters Between Bulgaria and Greece. *Water Resources Management*. doi:10.1007/s11269-021-02983-4
- 241) Wang, Z., Qi, G. and Wei, W. (2021). China's coastal seawater environment caused by urbanization based on the seawater environmental Kuznets curve. *Ocean & Coastal Management*, 213, p.105893. doi:10.1016/j.ocecoaman.2021.105893

#### A.1.9.

- 242) Malik, S., & Muzaffar, S.B. (2024). Determination of potentially toxic elements bioaccumulated in the commercially important pelagic fish narrow-barred Spanish mackerel (*Scomberomorus commerson*). *Marine Pollution Bulletin*, 201, 116281. doi:10.1016/j.marpolbul.2024.116281
- 243) Hacıoğlu F. (2024). *Tez Adi Müsilaj Oluşumu Ve Etkileyen Faktörler*. Thesis, Manisa Celal Bayar Üniversitesi, Fen Edebiyat Fakültesi. URL
- 244) Kallianiotis AA, Anastasiadou C, Batjakas IE. (2024). Catalyzing Conservation: An Analysis of Fish Stock Dynamics in a Marine Protected Area before and after Artificial Reef Deployment. *Coasts*, 4(1):150-167. <https://doi.org/10.3390/coasts4010009>
- 245) Uttieri M, Anadoli O, Banchi E, Battuello M, Beşiktepe Ş, Carotenuto Y, Marques SC, de Olazabal A, Di Capua I, Engell-Sørensen K et al. 2023. The Distribution of *Pseudodiaptomus marinus* in European and Neighbouring Waters—A Rolling Review. *Journal of Marine Science and Engineering*. 11(6):1238. <https://doi.org/10.3390/jmse11061238>
- 246) Kaberi, H. et al. (2023). Thermaikos Gulf: An Area Under Multiple Natural and Anthropogenic Pressures. In: *The Handbook of Environmental Chemistry*. Springer, Berlin, Heidelberg. [https://doi.org/10.1007/698\\_2023\\_1045](https://doi.org/10.1007/698_2023_1045)
- 247) Spondylidis S., Giannoulaki M., Machias A., Batzakas I. and Topouzelis K. (2023). Can we actually monitor the spatial distribution of small pelagic fish based on Sentinel-3 data? An example from the North Aegean Sea (Eastern Mediterranean Sea). *Front. Mar. Sci.* 10:1117704. doi:10.3389/fmars.2023.1117704
- 248) Kallianiotis A.A., Batjakas I.E. (2023). Temporal and Environmental Dynamics of Fish Stocks in the Marine Protected Area of the Artificial Reef of Kitros, Pieria (Northern Greece, Mediterranean Sea). *J. Mar. Sci. Eng.*, 11, 1773. <https://doi.org/10.3390/jmse11091773>
- 249) Wang X., Zhao Q., Liu Y., Guan Y., Kang S. (2023). Analysis of hydrodynamic characteristics during the occurrence of red tide in the Qinhuangdao sea area. *Regional Studies in Marine Science*, 103180. <https://doi.org/10.1016/j.rsma.2023.103180>
- 250) S. Genitsaris, P. Kourkoutmani, N. Stefanidou, E. Michaloudi, M. Gros, E. García-Gómez, M. Petrović, L. Ntziachristos, M. Moustaka-Gouni (2023). Effects from maritime scrubber effluent on phytoplankton and bacterioplankton communities of a coastal area, Eastern Mediterranean Sea. *Ecological Informatics*, 102154, ISSN 1574-9541. doi:10.1016/j.ecoinf.2023.102154
- 251) Schoinas, K., Konstantou, V., Bompou, E., Floros, G., Chatziplis, D., Imsiridou, A., Loukovitis, D. (2023). Microbiome Profile of the Mediterranean Mussel (*Mytilus galloprovincialis*) from Northern Aegean Sea (Greece) Culture Areas, Based on a 16S rRNA Next Generation Sequencing Approach. *Diversity*, 15, 463. <https://doi.org/10.3390/d15030463>

- 252) Stroglyoudi, E., Krasakopoulou, E., Giannakourou A. et al. (2023). How environmental factors determine mussel metal concentrations? A comparative study between areas facing different pressures. *Regional Studies in Marine Science*, 102806. [doi:10.1016/j.rsma.2022.102806](https://doi.org/10.1016/j.rsma.2022.102806)
- 253) Yildirim HH et al. (2022). Ecological Sustainability with Alternative Deep Cleaning in Mucilage. *Proceedings of the 3rd International Mountain and Ecology Congress Within the Framework of Sustainable Development (MEDESU2022)*. October 20-21, 2022/ Trabzon-Türkiye. [URL](#)
- 254) Genitsaris S, Stefanidou N, Sommer U, Moustaka-Gouni M (2022). Diversity of taxon-specific traits of seasonally distinct unicellular eukaryotic assemblages in a eutrophic coastal area with marked plankton blooms. *Aquat Microb Ecol* 88:167-185. [doi:10.3354/ame01992](https://doi.org/10.3354/ame01992)
- 255) Guo J.R. (2022). *Constructing dynamic water quality models for tidal river based on stella system dynamics*. MSc Thesis, Department of Marine Environment and Engineering, National Sun Yat-sen University. [URL](#)
- 256) Kayhan F.E. and Yön Ertuğ N.D. (2022). Müsilaj Sorunu Ve Karakterizasyonu. *Doğanın Sesi*, 5 (9), 4-16. <https://dergipark.org.tr/en/pub/dosder/issue/70938/1035976>
- 257) Tsikoti C., and Genitsaris S. (2021). Review of Harmful Algal Blooms in the Coastal Mediterranean Sea, with a Focus on Greek Waters. *Diversity*, MDPI, 13, no. 8: 396. [doi:10.3390/d13080396](https://doi.org/10.3390/d13080396)
- 258) Zachioti P., Rousselaki E., Konstadinopoulou A., Zoulias T., Assimakopoulou G., Fioraki V., Varkitzi I., Pagou K. and Pavlidou A. (2022). Trophic Status Evolution in Thermaikos Gulf during 1995-2007. *Proceedings of Marine and Inland Waters Research Symposium 2022*, Porto Heli, Greece, 16-19 September 2022. Part of ISBN: 978-960-9798-31-0 and ISSN: 2944-9723. [URL](#)

#### A.1.10.

- 259) Lousada S., Castanho R.A. (2023). Port Structures, Maritime Transport, and Tourism. *Water*. 15(22):3898. <https://doi.org/10.3390/w15223898>
- 260) Du, W., Zhang, X., Shi, H. et al. (2023). Long-Term Extreme Wave Characteristics in the Water Adjacent to China Based on ERA5 Reanalysis Data. *J. Ocean Univ. China*. <https://doi.org/10.1007/s11802-024-5446-y>
- 261) Pishehvarzad M., Majidi A., Moghadam S.M. (2023). Transformative Resilience in Port Infrastructure: Behavior Analysis of the New Oil Dolphin Quays Access Bridge at Bandar-e Anzali, *International Journal of Science and Engineering Applications*, Vol. 12, Issue 10, 44–53, ISSN: 2319–7560. [doi:10.7753/IJSEA1210.1013](https://doi.org/10.7753/IJSEA1210.1013)
- 262) Malliouri DI, Moraitis V, Petrakis S, Vandarakis D, Hatiris G-A, Kapsimalis V. (2023). A Non-Stationary and Directional Probabilistic Analysis of Coastal Storms in the Greek Seas. *Water*, 15(13):2455. <https://doi.org/10.3390/w15132455>
- 263) Radfar S., Galiatsatou P., Wahl T. (2023). Application of nonstationary extreme value analysis in the coastal environment – A systematic literature review. *Weather and Climate Extremes*, 100575. [doi:10.1016/j.wace.2023.100575](https://doi.org/10.1016/j.wace.2023.100575)
- 264) Galiatsatou P. and Iliadis C. (2022). Intensity-Duration-Frequency Curves at Ungauged Sites in a Changing Climate for Sustainable Stormwater Networks. *Sustainability*, 14(3), 1229. [doi:10.3390/su14031229](https://doi.org/10.3390/su14031229)

- 265) Yu, S., Wu, W. and Naess, A., 2023. Extreme value prediction with modified Enhanced Monte Carlo method based on tail index correction. *Journal of Sea Research*, p.102354. [doi:10.1016/j.seares.2023.102354](https://doi.org/10.1016/j.seares.2023.102354)
- 266) Martzikos N., Malliouri D., Tsoukala V. (2023). Shape investigation and probabilistic representation of coastal storms. Applications to Mykonos and Barcelona, *Applied Ocean Research*, 135, 103563, <https://doi.org/10.1016/j.apor.2023.103563>

#### A.1.11.

- 267) Kalogiannidis S., Kalfas D., Papaevangelou O., Chatzitheodoridis F., Katsetsiadou K.-N., Lekkas E. (2024). Integration of Climate Change Strategies into Policy and Planning for Regional Development: A Case Study of Greece. *Land*, 13(3):268. [doi:10.3390/land13030268](https://doi.org/10.3390/land13030268)
- 268) Ferrarin, C., Bonaldo, D., Bergamasco, A., & Ghezzi, M. (2024). Sea level and temperature extremes in a regulated Lagoon of Venice. *Frontiers in Climate*, 5, 1330388. [doi:10.3389/fclim.2023.1330388](https://doi.org/10.3389/fclim.2023.1330388)
- 269) Focardi, S., & Pepi, M. (2024). Floods Countermeasures by Hybrid Approaches with Hard and Natural Engineering and Flooding events at Mediterranean Coasts. *Eng OA*, 2(1), 01-11. [URL](https://www.mdpi.com/2504-4545/2/1/1)
- 270) Kralj E., Kumer P., Meulenber C.J.W. (2023). Coastal Flood Risk Assessment: An Approach to Accurately Map Flooding through National Registry-Reported Events. *Journal of Marine Science and Engineering*, 11(12):2290. [doi:10.3390/jmse11122290](https://doi.org/10.3390/jmse11122290)
- 271) Nezhad SK, Barooni M, Velioglu Sogut D, Weaver RJ. (2023). Ensemble Neural Networks for the Development of Storm Surge Flood Modeling: A Comprehensive Review. *Journal of Marine Science and Engineering*, 11(11):2154. [doi:10.3390/jmse11112154](https://doi.org/10.3390/jmse11112154)
- 272) Oelviani R., Adiyoga W., Mahatma Yuda Bakti I.G., Suhendrata T., Malik A. et al. (2023). Climate Change Driving Salinity an Overview of Vulnerabilities, Adaptations, and Challenges for Indonesian Agriculture. *Weather, Climate, and Society*. [doi:10.1175/WCAS-D-23-0025.1](https://doi.org/10.1175/WCAS-D-23-0025.1)
- 273) Santos-Echeandía J., Bernárdez P., Sánchez-Marín P. (2023). Trace metal level variation under strong wind conditions and sediment resuspension in the waters of a coastal lagoon highly impacted by mining activities. *Science of The Total Environment*, Vol. 905, December 2023, 167806. [doi:10.1016/j.scitotenv.2023.167806](https://doi.org/10.1016/j.scitotenv.2023.167806)
- 274) Subbiah Elavazhagan B. (2023). *Barrier beach modelling as a management tool*. MSc Thesis, UPC, Barcelona, Spain. <http://hdl.handle.net/2117/394899>
- 275) Muis, S., Aerts, J. C. J. H., Á. Antolínez, J. A., Dullaart, J. C., Duong, T. M., Erikson, L., et al. (2023). Global projections of storm surges using high-resolution CMIP6 climate models. *Earth's Future*, 11, e2023EF003479. [doi:10.1029/2023EF003479](https://doi.org/10.1029/2023EF003479)
- 276) Haberle, I., Hackenberger, D. K., Djerdj, T., Bavčević, L., Geček, S., Hackenberger, B. K., ... & Klanjscek, T. (2023). Effects of climate change on gilthead seabream aquaculture in the Mediterranean. *Aquaculture*, 740052. [doi:10.1016/j.aquaculture.2023.740052](https://doi.org/10.1016/j.aquaculture.2023.740052)
- 277) Malliouri DI, Moraitis V, Petrakis S, Vandarakis D, Hatiris G-A, Kapsimalis V. (2023). A Non-Stationary and Directional Probabilistic Analysis of Coastal Storms in the Greek Seas. *Water*, 15(13):2455. [doi:10.3390/w15132455](https://doi.org/10.3390/w15132455)
- 278) Camatti E, Acri F, De Lazzari A, Nurra N, Pansera M, Schroeder A and Bergamasco A (2023) Natural or anthropogenic variability? A long-term pattern of the zooplankton communities in an ever-changing transitional ecosystem. *Front. Mar. Sci.* 10:1176829. [doi:10.3389/fmars.2023.1176829](https://doi.org/10.3389/fmars.2023.1176829)

- 279) Sinha, S., Davis, C., Gardoni, P., Babbar-Sebens, M., Stuhr, M., Huston, D., . . . Vishwakarma, A. (2023). Water Sector Infrastructure Systems Resilience: A Social-Ecological-Technical System-of-Systems and Whole-Life Approach. *Cambridge Prisms: Water*, 1-50. doi:10.1017/wat.2023.3

#### A.1.12.

- 280) Karditsa K., Niavis S., Paramana T., Monioudi I., Poulos S., Hatzaki M. (2023). Is the Insular Coastal Tourism of Western Greece at Risk Due to Climate Induced Sea Level Rise? *Ocean and Coastal Management*, 251, 107088. doi:10.1016/j.ocecoaman.2024.107088
- 281) Lymperi O.A., Varouchakis E.A. (2024). Modeling Extreme Precipitation Data in a Mining Area. *Math Geosci*. <https://doi.org/10.1007/s11004-023-10126-1>
- 282) Cavalli R.M. (2024). Remote Data for Mapping and Monitoring Coastal Phenomena and Parameters: A Systematic Review. *Remote Sensing*, MDPI, 16(3):446. <https://doi.org/10.3390/rs16030446>
- 283) Borzi A.M., Minio V., De Plaen R., Lecocq T., Cannavò F., Ciraolo G., ... & Cannata A. (2024). Long-term analysis of microseism during extreme weather events: Medicanes and common storms in the Mediterranean Sea. *Science of The Total Environment*, 169989. doi:10.1016/j.scitotenv.2024.169989
- 284) Avgoustoglou E., Matsangouras I., Pytharoulis I., Nastos P. (2023). Aeolus Data Validation for an Extreme Precipitation Event in Greece with the COSMO NWP Model. *Water*, 15(21):3820. <https://doi.org/10.3390/w15213820>
- 285) Falciano A., Anzidei M., Greco M., Trivigno M.L., Vecchio A., Georgiadis C., Patias P., Crosetto M., Navarro J., Serpelloni E. et al. (2023). The SAVEMEDCOASTS-2 webGIS: The Online Platform for Relative Sea Level Rise and Storm Surge Scenarios up to 2100 for the Mediterranean Coasts. *J. Mar. Sci. Eng.*, 11, 2071. <https://doi.org/10.3390/jmse11112071>
- 286) Varlas G., Pytharoulis I., Steeneveld G.-J., Katsafados P., Papadopoulos A. (2023). Investigating the impact of sea surface temperature on the development of the Mediterranean tropical-like cyclone “Ianos” in 2020. *Atmospheric Research*, 106827, <https://doi.org/10.1016/j.atmosres.2023.106827>
- 287) Paramana T., Karditsa A., Petrakis S., Milatou N., Megalofonou P., Dassenakis M., Poulos S. (2023). Ecosystem-Based Blue Growth: The Case of the Semi-Enclosed Embayment of the Inner NE Ionian Sea and Adjacent Gulfs. *Water*, 15(16):2892. <https://doi.org/10.3390/w15162892>

#### A.1.13.

- 288) Cardone B., Di Martino F., Miraglia V. (2024). A GIS-Based Emotion Detection Framework for Multi-Risk Analysis in Urban Settlements. *Urban Science*. MDPI, 8(1):7. doi:10.3390/urbansci8010007
- 289) Effiong, C. J., Musa Wakawa Zenna, J., Hannah, D., & Sugden, F. (2024). Exploring loss and damage from climate change and global perspectives that influence response mechanism in vulnerable communities. *Sustainable Environment*, 10(1), 2299549. doi:10.1080/27658511.2023.2299549
- 290) Shahabi-Haghighi S.M.B. & Hamidifar H. (2023). Exploring the link between drought-related terms and public interests: Global insights from LSTM-based predictions and Google Trends analysis. *Hydrological Processes*, 37(11), e15016. <https://doi.org/10.1002/hyp.15016>
- 291) Alaniri Y., Suryadi Y. (2023). The Impact Leuwikeris Dam and Matenggeng Dam Existence on Water Allocation Study of Citanduy Catchment. *Jurnal Sumber Daya Air*, vol. 19, No. 2. <https://doi.org/10.32679/jsda.v19i2.857>

- 292) Fernandez, J., Maillard, O., Uyuni, G., Guzmán-Rojó, M., Escobar, M. (2023). Multi-Criteria Prioritization of Watersheds for Post-Fire Restoration Using GIS Tools and Google Earth Engine: A Case Study from the Department of Santa Cruz, Bolivia. *Water*, 15, 3545. <https://doi.org/10.3390/w15203545>

#### A.1.14.

- 293) Velegrakis, A.F., Chatzistratis, D., Chalazas, T. et al. (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>
- 294) Medeiros, S.C. (2023). Hydraulic Bottom Friction and Aerodynamic Roughness Coefficients for Mangroves in Southwest Florida, USA. *J. Mar. Sci. Eng.*, 11, 2053. <https://doi.org/10.3390/jmse11112053>
- 295) Stanton, C.Y. (2023). *Overcoming Data Limitation Challenges in Predicting Tropical Storm Surge with Interpretable Machine Learning Methods*. MSc Thesis, Texas A&M University, Corpus Christi ProQuest Dissertations Publishing, 30568687. [URL](#)
- 296) Tegos A., Ziogas A., Bellos V. (2023). Modern Developments in Flood Modelling. *Hydrology*, MDPI, 10(5):112. <https://doi.org/10.3390/hydrology10050112>

#### A.1.16.

- 297) Tzioga I, Moriki A (2023). Microplastic Particles in Sandy Beaches of Thessaloniki Gulf, Greece. *WSEAS Transactions on Environment and Development*. [doi:10.37394/232015.2023.19.124](https://doi.org/10.37394/232015.2023.19.124)

#### B.1.1

- 298) Καραμούζης, Ε., 2023. *Παράκτια αποτύπωση προς καθορισμό οριογραμμής Αιγιαλού στην περιοχή του ναυτικού οχηρού «Τούρλος» Νήσου Αίγινας*. Διπλωματική Εργασία, Πανεπιστήμιο Δυτικής Αττικής, Σχολή Μηχανικών, Τμήμα Μηχανικών Τοπογραφίας και Γεωπληροφορικής, <https://polynoelib.uniwa.gr/xmlui/handle/11400/3863>
- 299) Papadopoulos, N. and Gikas, V. (2023). Combined Coastal Sea Level Estimation Considering Astronomical Tide and Storm Surge Effects: Model Development and Its Application in Thermaikos Gulf, Greece. *J. Mar. Sci. Eng.*, 11, 2033. <https://doi.org/10.3390/jmse11112033>
- 300) Καλπύρη Μ. (2022). *Μαθηματική προσομοίωση παράκτιας κατάκλυσης της παράκτιας ζώνης του Ρεθύμνου Κρήτης*. ΜΔΕ Διπλωματική Εργασία, ΔΠΜΣ ΕΜΠ, Αθήνα. [URL](#)
- 301) Intze S. (2020). *Bibliographic Review of the Use of Macrophytuases for Seawater Cleaning*. MSc Thesis, Hellenic Open University. [URL](#)
- 302) Γαλάνης Δ. (2020). *Επίδραση της μεταβλητότητας της στάθμης της θάλασσας και της παλίρροιας στη χωρική κατανομή του ύψους κύματος – Προσομοίωση της χωρικής κατανομής σε πέντε λιμένες του κόσμου*. ΜΔΕ Διπλωματική Εργασία, ΔΠΜΣ ΕΜΠ, Αθήνα. <http://dx.doi.org/10.26240/heal.ntua.19052>  
[URL](#)
- 303) Lazaridou M.P. (2018). *Development of a model for flood risk assessment of coastal urban areas. Case study: Volos*. Bachelor's Thesis. Department of Planning and Regional Development, Polytechnic School, University of Thessaly. [URL](#)

- 304) Katsouris M. (2017). *Estimation of the shoreline retreat on the coasts of East Crete*. University of the Aegean, School of Environmental Studies, Department of Marine Sciences, BSc Thesis (Supervisor Professor: Velegrakis A.). (in Greek) [URL](#)
- 305) Kontogiannatou T. (2017). *Modelling of the structure and function of an aquatic ecosystem*. MSc Dissertation. Department of Biology, University of Patras, Greece. [URL](#)
- 306) Αντωνίου Κ. (2017). *Πειραματική διερεύνηση πιέσεων μη θραυόμενων κυματισμών σε κοίλο αδιαπέρατο κυματοθραύστη*. ΜΔΕ Διπλωματική Εργασία, ΔΠΜΣ ΕΜΠ, Αθήνα. <http://dx.doi.org/10.26240/heal.ntua.14324> [URL](#)

### B.2.3

- 307) Agulles Gámez, M., 2023. *Coastal hazards under climate change. The case of the Balearic Islands*. Doctoral Thesis, Universitat de les Illes Balears. [URL](#)
- 308) Eguibar, M.Á., Porta-García, R., Torrijo, F.J., Garzón-Roca, J. (2021). Flood Hazards in Flat Coastal Areas of the Eastern Iberian Peninsula: A Case Study in Oliva (Valencia, Spain). *Water*, MDPI, 13, 2975. [doi:10.3390/w13212975](https://doi.org/10.3390/w13212975)
- 309) Louisor J, Rohmer J, Bulteau T, Boulahya F, Pedreros R, Maspataud A, Mugica J. (2021). Deriving the 100-Year Total Water Level around the Coast of Corsica by Combining Trivariate Extreme Value Analysis and Coastal Hydrodynamic Models. *Journal of Marine Science and Engineering*. MDPI, 9(12):1347. [doi:10.3390/jmse9121347](https://doi.org/10.3390/jmse9121347)
- 310) Agulles M., Jordà G. and Lionello P. (2021). Flooding of Sandy Beaches in a Changing Climate. The Case of the Balearic Islands (NW Mediterranean). *Front. Mar. Sci.* 8:760725. [doi:10.3389/fmars.2021.760725](https://doi.org/10.3389/fmars.2021.760725)
- 311) Umair M. and Hashmani, M.A. (2021). Towards Development of Visual-Range Sea State Image Dataset for Deep Learning Models, *Proceedings of 2021 International Conference on Intelligent Cybernetics Technology & Applications (ICICyTA)*, pp. 23-27. [doi:10.1109/ICICyTA53712.2021.9689093](https://doi.org/10.1109/ICICyTA53712.2021.9689093)
- 312) Kartsios, S., 2020. *Study of atmosphere-wildland fires interactions, using numerical models, in Greece*. Doctoral Dissertation, School of Sciences, Department of Geology. Division of Meteorology and Climatology, AUTh, Thessaloniki, Greece. [URL](#)
- 313) Tegoulis, I., 2020. *Implementation of an innovative methodology for the evaluation and optimization of the WRF model for the study of convective activity in Thessaly*. Doctoral Dissertation, School of Sciences, Department of Geology. Division of Meteorology and Climatology, AUTh, Thessaloniki, Greece. [URL](#)
- 314) Kartsios S., Karacostas T., Pytharoulis I., Dimitrakopoulos A.P. (2020). Numerical investigation of atmosphere-fire interactions during high-impact wildland fire events in Greece, *Atmospheric Research*, Elsevier. [doi:10.1016/j.atmosres.2020.105253](https://doi.org/10.1016/j.atmosres.2020.105253)

### C.1.1.

- 315) Repousis E., Roupas I., Memos C. (2023). Wave Transmission over Rubble-Mound Submerged Breakwaters. *Journal of Marine Science and Engineering*. 2023; 11(7):1346. <https://doi.org/10.3390/jmse11071346>



- 316) van Gent, M.R., Buis, L., van den Bos, J.P. and Wüthrich, D., 2023. Wave transmission at submerged coastal structures and artificial reefs. *Coastal Engineering*, p.104344. [doi:10.1016/j.coastaleng.2023.104344](https://doi.org/10.1016/j.coastaleng.2023.104344)
- 317) Hassanpour, N., Vicinanza, D., Contestabile, P. 2023. Determining Wave Transmission over Rubble-Mound Breakwaters: Assessment of Existing Formulae through Benchmark Testing. *Water*, 15, 1111. [doi:10.3390/w15061111](https://doi.org/10.3390/w15061111)
- 318) Singh M., Gayen R., Kundu S. (2022). Linear water wave propagation in the presence of an inclined flexible plate with variable porosity. *Archive of Applied Mechanics*. [doi:10.1007/s00419-022-02201-6](https://doi.org/10.1007/s00419-022-02201-6)
- 319) Hernández-Valdés K. and López L.F.C. (2022). Determination of design parameters of submerged breakwater by means of numeric simulation for their employment in beaches [Determinación de parámetros de diseño de rompeolas sumergidos mediante simulación numérica para su empleo en playas]. *Tecnología y Ciencias del Agua*, Vol. 13, Issue 11. [doi:10.24850/j-tyca-2022-01-09](https://doi.org/10.24850/j-tyca-2022-01-09)
- 320) Sutikno S., Almanna F., Rinaldi, Mubarak and Murakami K. (2021). Physical and Numerical Simulation of Wave Transmission Over Submerged Breakwater, *Journal of Physics: Conference Series*, Vol. 2049, Universitas Riau International Conference on Science and Environment 2021 (URICSE-2021), 10-12 September 2021, Pekanbaru, Indonesia, IOP Publishing Ltd. [URL](#)
- 321) Insee Yong, N. and Sriariyawat, A. (2020). The Effect of Depths of Partial Breakwater on Wave Transmissibility by Physical Model. *การประชุมวิชาการ วิศวกรรมโยธา แห่งชาติ ครั้งที่ 77*, pp. 25, WRE12. [URL](#)
- 322) Insee Yong, N. and Sriariyawat, A. (2019). Effectiveness of Wave Transmissibility on Partial Breakwater by Physical Model. *The 24<sup>th</sup> National Convention on Civil Engineering*, 10-12 July 2019, Udonthani, Thailand. [URL](#)
- 323) Arish, N.A.M., Karim, O.A., Melini, W.H. and Mohtar, W. (2019). Experimental Study of Wave Attenuation for a Tandem Breakwater. *International Journal of New Technology and Research (IJNTR)*, Vol. 5, Issue 4, pp. 114-117. [ISSN:2454-4116](#)
- 324) Kalyani, M., Kiran, A.S., Ravichandran, V., Suseentharan, V., Jena, B.K. and Murthy, M.R. (2019). Wave Transformation Around Submerged Breakwaters Made of Rubble Mound and Those Made of Geosynthetic Tubes — A Comparison Study for Kadalur Periyakuppam Coast. *Proc. of the 4<sup>th</sup> International Conference in Ocean Engineering (ICOE2018)*. Vol. 2, pp. 327-336, Springer, Singapore. [doi:10.1007/978-981-13-3134-3\\_25](https://doi.org/10.1007/978-981-13-3134-3_25)
- 325) Κόγια Ε.Ε. (2019). *Διερεύνηση Συμπεριφοράς του Συντελεστή Μετάδοσης Κυματισμού Πίσω από Ύφαλο Κυματοθραύστη με Παρουσία ή μη Ποσειδωνίας*. ΜΔΕ Διπλωματική Εργασία, ΔΠΜΣ ΕΜΠ, Αθήνα. <http://dx.doi.org/10.26240/heal.ntua.9532> [URL](#)
- 326) Sakib, S., Gang, D., Besse, G., Tang, B. B., McCoy, N., & Hayes, D. (2018). Laboratory study and mathematical modeling of a novel marsh shoreline protection technology for sand collection. *Applied Ocean Research*, 76, 22-33. [doi:10.1016/j.apor.2018.04.007](https://doi.org/10.1016/j.apor.2018.04.007)
- 327) Ning, D., Chen, L., Zhao, M. and Teng, B. (2016). Experimental and Numerical Investigation of the Hydrodynamic Characteristics of Submerged Breakwaters in Waves. *Journal of Coastal Research*, Vol. 32, Issue 4, pp. 800-813. [doi:10.2112/JCOASTRES-D-15-00091](https://doi.org/10.2112/JCOASTRES-D-15-00091)
- 328) Thesnaar, E. (2015). *Efficiency of tandem breakwater in reducing wave heights and damage level: a Mossel Bay case study*. Doctoral dissertation at Stellenbosch University. [URL](#)

- 329) McCoy, N. (2015). *Functionality Evaluation of the Wave Suppressor and Sediment Collection (WSSC) System: Wave Reduction, Sediment Collection, Mathematical Model, and Preliminary Field Evaluation*. Thesis at the University of Louisiana at Lafayette. [URL](#)
- 330) Jager, T., Smoor, A.C., Tiehatten, B.M.H. and Wester, F.E. (2015). *Assessment and mitigation proposal in case of major tsunami impact*. Master Thesis at TU Delft, Department Hydraulic Engineering. [URL](#)
- 331) McCoy, N., Tang, B., Besse, G., Gang, D. and Hayes, D. (2015). Laboratory study of a novel marsh shoreline protection structure: Wave reduction, silt-clay soil collection, and mathematical modeling. *Coastal Engineering*, Vol. 105, pp. 13-20. [doi:10.1016/j.coastaleng.2015.08.003](https://doi.org/10.1016/j.coastaleng.2015.08.003)
- 332) Μαντέλου Μ.Κ. (2014). *Μελέτη Υδροδυναμικού Πεδίου σε Φυσικό Ύφαλο Κυματοθραύστη*. ΜΔΕ Διπλωματική Εργασία, ΔΠΜΣ ΕΜΠ, Αθήνα. <http://dx.doi.org/10.26240/heal.ntua.7781> [URL](#)
- 333) Memos, C.D. (2013). Submerged Coastal Structures: Overview of Some Recent Results (Invited Lecture). *Proceedings of 35<sup>th</sup> IAHR World Congress*, 8-13 September 2013, Chengdu, China. [URL](#)
- 334) Μεταλληνός Α.Σ. (2011). *Πεδίο Ταχυτήτων λόγω Κυματισμών στο Εσωτερικό Ύφαλης Κατασκευής*. ΜΔΕ Διπλωματική Εργασία, ΔΠΜΣ ΕΜΠ, Αθήνα. <http://dx.doi.org/10.26240/heal.ntua.1318> [URL](#)
- 335) Lai, J.-W., Kuo, C.-T. and Hsu, T.-W. (2008). Physical Model Test on Wave Transmission to Culvert Pipes Block with Constrictive Sections. *Proc. 2008 Taiwan-Polish Joint Seminar on Coastal Protection*. 6-7 November 2008, Taiwan. [URL](#)
- 336) Lai, J.W., Kuo, C.T. and Hsu, T.W. (2008). An Experiment Study on the Relationship between Wave Transmission and the Culvert Pipes Block with Constrict Section. In *ICHE 2008. Proceedings of the 8th International Conference on Hydro-Science and Engineering*, September 9-12, 2008, Nagoya, Japan. [URL](#)

### C.1.2.

- 337) Sutikno S., Almanna F., Rinaldi, Mubarak and Murakami K. (2021). Physical and Numerical Simulation of Wave Transmission Over Submerged Breakwater, *Journal of Physics: Conference Series*, Vol. 2049, Universitas Riau International Conference on Science and Environment 2021 (URICSE-2021), 10-12 September 2021, Pekanbaru, Indonesia, IOP Publishing Ltd. [URL](#)
- 338) Klonaris G. (Κλωνάρης Γ.) (2016). *Μορφοδυναμική ακτής με ύφαλους κυματοθραύστες - Morphodynamics in a beach with submerged breakwaters*. PhD Thesis, NTUA, School of Civil Engineering. [URL](#)

### C.1.3.

- 339) Memos, C.D. (2013). Submerged Coastal Structures: Overview of Some Recent Results (Invited Lecture). *Proc. 35<sup>th</sup> IAHR World Congress*, 8-13 September 2013, Chengdu, China. [URL](#)

### C.1.6.

- 340) Sarfaraz, M. and Pak, A., 2019. Weakly compressible SPH simulation of cnoidal waves with strong plunging breakers. *Ocean Dynamics*, pp.1-22. [doi:10.1007/s10236-019-01266-2](https://doi.org/10.1007/s10236-019-01266-2)

**C.1.8.**

- 341) Sarfaraz, M. and Pak, A., 2019. Weakly compressible SPH simulation of cnoidal waves with strong plunging breakers. *Ocean Dynamics*, pp.1-22. [doi:10.1007/s10236-019-01266-2](https://doi.org/10.1007/s10236-019-01266-2)

**C.1.11.**

- 342) Sarfaraz, M. and Pak, A., 2019. Weakly compressible SPH simulation of cnoidal waves with strong plunging breakers. *Ocean Dynamics*, pp.1-22. [doi:10.1007/s10236-019-01266-2](https://doi.org/10.1007/s10236-019-01266-2)

**C.1.12.**

- 343) El-Geziry T.M. (2023). Sea-Level Changes, Chapter, In book: *Altimetry - Theory, Applications and Recent Advances*, IntechOpen. [doi:10.5772/intechopen.111832](https://doi.org/10.5772/intechopen.111832)
- 344) Merey, Ş. (2022). Gas hydrate research & development activities in turkey? Colorado School of Mines, Center for Hydrate Research. September 14, 2022 [URL](#)
- 345) Merey, Ş. and Longinos, S.N. (2018). Does the Mediterranean Sea have potential for producing gas hydrates? *Journal of Natural Gas Science and Engineering*. [doi:10.1016/j.jngse.2018.04.029](https://doi.org/10.1016/j.jngse.2018.04.029)
- 346) Kokkinos, D., Prinos, P. and Galiatsatou, P. (2014). Assessment of coastal vulnerability for present and future climate conditions in coastal areas of the Aegean Sea. *Proc. 11<sup>th</sup> International Conference on Hydroscience & Engineering (ICHE): Hydro-Engineering for Environmental Challenges*. Lehfeldt & Kopmann, September 2014, Hamburg, Germany. [URL](#)
- 347) Crhistodoulou C. (2015). *Wave run-up in the coastal zone of Rethymno under extreme wave conditions*. MSc Thesis, NTUA, Athens, Greece. [URL](#)

**C.1.13.**

- 348) Kokkos N. (2017). *Environmental management and simulation of coastal water systems of the Thracian Sea*. PhD Thesis, DUTh, [doi:10.12681/eadd/42341](https://doi.org/10.12681/eadd/42341)
- 349) Kombiadou, K., Skoulikaris, C., Kontos, Y. and Krestenitis, Y. (2015). Assimilating riverine freshwater fluxes in circulation forecasts for the Thermaikos Gulf. *Proc. 11<sup>th</sup> Panhellenic Symposium on Oceanography and Fisheries*, University of the Aegean, Mytilene, Lesvos island, Greece, 13-17 May 2015. [URL](#)

**C.1.14.**

- 350) Skourti O.M.A., Papadakis M.I., Martzikos N.T., Chondros M.K., Tsoukala V.K. (2019). Adapting Ports to Climate Change – The Case of Evdilos Port, Ikaria Island, Greece. *Proc. of 2<sup>nd</sup> International Conference ADAPTtoCLIMATE 2019*, Heraklion, Crete, Greece, June 2019. [URL](#)

**C.1.15.**

- 351) Kallianiotis AA, Anastasiadou C, Batjakas IE. (2024). Catalyzing Conservation: An Analysis of Fish Stock Dynamics in a Marine Protected Area before and after Artificial Reef Deployment. *Coasts*, 4(1):150-167. <https://doi.org/10.3390/coasts4010009>

- 352) Kallianiotis A.A., Batjakas I.E. (2023). Temporal and Environmental Dynamics of Fish Stocks in the Marine Protected Area of the Artificial Reef of Kitros, Pieria (Northern Greece, Mediterranean Sea). *J. Mar. Sci. Eng.*, 11, 1773. <https://doi.org/10.3390/jmse11091773>
- 353) Briggs D. (2020). *Climate changed: Refugee border stories and the business of misery*. Routledge, pp.224. 1<sup>st</sup> Edition, London, UK. doi:10.4324/9781003004929, eBook ISBN 9781003004929.
- 354) Tsanakas K., Karymbalis E., Cundy A., Gaki-Papanastassiou K., Papanastassiou D., Drinia H., Koskeridou E., and Hampik M. (2019). Late Holocene Geomorphic Evolution Of The Livadi Coastal Plain, Gulf Of Argostoli, Cephalonia Island, Western Greece. *Geografia Fisica e Dinamica Quaternaria*, pp. 43-60. doi:10.4461/GFDQ.2019.42.4

**C.1.17.**

- 355) Kallianiotis, A.A., Kamidis, N., Tselepides, A., Batjakas, I.E. (2023). Spatiotemporal and Environmental Dynamics of Abundances and Diversity of Larval Fish in Artificial Reef Edge Habitats of Kitros, Pieria (Northern Aegean Sea, Eastern Mediterranean). *J. Mar. Sci. Eng.* 2023, 11, 40. <https://doi.org/10.3390/jmse11010040>
- 356) Kalantzi, G., Hatzopoulos, I., Partozis, A., Karystinakis, K. and Kotsopoulos, S. (2021). Operational function of a forecasting system providing sea characteristics and other support services on high local resolution, entitled Sealoc. *Proceedings of the 8<sup>th</sup> International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2021) and SECOTOX Conference*, Thessaloniki, Greece, July 20 - 24, 2021. URL
- 357) Skoulikaris, C. (2021). Run-Of-River Small Hydropower Plants as Hydro-Resilience Assets against Climate Change. *Sustainability*, 13, 14001. doi:10.3390/su132414001
- 358) Kalantzi, G., Kotsopoulos, S., Panitsidis, K., Partozis, A. and Karystinakis, K. (2019). SeaLoc: A pilot forecasting system providing sea characteristics and other support services on high local resolution. *Proceedings of 16<sup>th</sup> International Conference on Environmental Science and Technology (CEST2019)*, Rhodes, Greece, 4 - 7 September 2019. URL
- 359) Kokkos N. (2017). *Environmental management and simulation of coastal water systems of the Thracian Sea*. PhD Thesis, DUTh, doi:10.12681/eadd/42341

**C.1.19.**

- 360) Sarfaraz, M. and Pak, A., 2019. Weakly compressible SPH simulation of cnoidal waves with strong plunging breakers. *Ocean Dynamics*, pp.1-22. doi:10.1007/s10236-019-01266-2
- 361) Klonaris G. (Κλωνάρης Γ.) (2016). *Μορφοδυναμική ακτής με ύφαλους κυματοθραύστες - Morphodynamics in a beach with submerged breakwaters*. PhD Thesis, NTUA, School of Civil Engineering. URL

**C.1.20.**

- 362) Klonaris, G. T., Memos, C. D., Drønen, N. K., & Deigaard, R. (2018). Simulating 2DH coastal morphodynamics with a Boussinesq-type model. *Coastal Engineering Journal*, 1-21. doi:10.1080/21664250.2018.1462300

- 363) Klonaris, G.T., Memos, C.D., Drønen, N.K. and Deigaard, R. (2017). Boussinesq-Type Modeling of Sediment Transport and Coastal Morphology. *Coastal Engineering Journal*, 59(01), 1750007. [doi:10.1142/S0578563417500073](https://doi.org/10.1142/S0578563417500073)
- 364) Klonaris, G.T., Memos, C.D. and Drønen, N.K. (2016). High-Order Boussinesq-Type Model for Integrated Nearshore Dynamics. *Journal of Waterway, Port, Coastal, and Ocean Engineering*, 04016010. [doi:10.1061/\(ASCE\)WW.1943-5460.0000349](https://doi.org/10.1061/(ASCE)WW.1943-5460.0000349)
- 365) Klonaris G. (Κλωνάρης Γ.) (2016). *Μορφοδυναμική ακτής με ύφαλους κυματοθραύστες - Morphodynamics in a beach with submerged breakwaters*. PhD Thesis, NTUA, School of Civil Engineering. [URL](#)

**C.1.24.**

- 366) Kaberi, H. et al. (2023). Thermaikos Gulf: An Area Under Multiple Natural and Anthropogenic Pressures. In: *The Handbook of Environmental Chemistry*. Springer, Berlin, Heidelberg. [https://doi.org/10.1007/698\\_2023\\_1045](https://doi.org/10.1007/698_2023_1045)
- 367) Kermenidou M., Frydas I.S., Moschoula E., Kousis D., Christofilos D., Karakitsios S. and Sarigiannis D. (2023). Quantification and characterization of microplastics in the Thermaic Gulf, in the North Aegean Sea. *Science of The Total Environment*, p.164299. <https://doi.org/10.1016/j.scitotenv.2023.164299>
- 368) Zapounidou, M., 2020. *Ecological water quality assessment of the coastal area of Olympiaki Akti based on phytoplankton community*. MSc Thesis, School of Economics, Business Administration & Legal Studies, MSc in Bioeconomy Law, Regulation and Management <https://repository.ihu.edu.gr/xmlui/handle/11544/29666>
- 369) Tsipas, G. (2020). Metagenomic characterization of unicellular eukaryotes in the urban Thessaloniki Bay. MSc Dissertation, International Hellenic University. [URL](#)
- 370) Dimarchopoulou D. (2020). *Ecosystem approach to fisheries management in the Aegean Sea*. Doctoral Dissertation, Aristotle University of Thessaloniki, Faculty of Science, School of Biology, Department of Zoology, Laboratory of Ichthyology, Thessaloniki 2020. [doi:10.13140/RG.2.2.21166.23366](https://doi.org/10.13140/RG.2.2.21166.23366)
- 371) Stefanidou A. (2019). *Climate change and biodiversity loss: marine phytoplankton community tolerance to temperature and salinity stress*. Doctoral Dissertation, Aristotle University of Thessaloniki, Faculty of Science, School of Biology. [URL](#)

**C.1.25.**

- 372) Καλπύρη Μ. (2022). *Μαθηματική προσομοίωση παράκτιας κατάκλυσης της παράκτιας ζώνης του Ρεθύμνου Κρήτης*. ΜΔΕ Διπλωματική Εργασία, ΔΠΜΣ ΕΜΠ, Αθήνα. [URL](#)
- 373) Nikolic, Ž., Srzic, V., Lovrinovic, I., Perkovic, T., Šolic, P., Kekez, T. (2022). Coastal Flooding Assessment Induced by Barometric Pressure, Wind-Generated Waves and Tidal-Induced Oscillations: Kaštela Bay Real-Time Early Warning System Mobile Application. *Applied Sciences*. 12, 12776. <https://doi.org/10.3390/app122412776>
- 374) Chondros, M., Metallinos, A., Papadimitriou, A., Memos, C., Tsoukala, V. (2021). A Coastal Flood Early-Warning System Based on Offshore Sea State Forecasts and Artificial Neural Networks. *J. Mar. Sci. Eng.*, 9, 1272. [doi:10.3390/jmse9111272](https://doi.org/10.3390/jmse9111272)

**C.1.26.**

- 375) Hamzah F.M. (2020). A Statistical modelling approach on tidal analysis and forecasting. *International Journal of Advanced Trends in Computer Science and Engineering*, Vol. 9, No. 1.2  
[doi:10.30534/ijatcse/2020/0391.22020](https://doi.org/10.30534/ijatcse/2020/0391.22020)

**C.1.32.**

- 376) Antwi-Agyakwa K.T., Afenyo M.K., Angnuureng D.B. (2023). Know to Predict, Forecast to Warn: A Review of Flood Risk Prediction Tools. *Water*, 15, 427. <https://doi.org/10.3390/w15030427>
- 377) Nikolic, Ž., Srzic, V., Lovrinovic, I., Perkovic, T., Šolic, P., Kekez, T. (2022). Coastal Flooding Assessment Induced by Barometric Pressure, Wind-Generated Waves and Tidal-Induced Oscillations: Kaštela Bay Real-Time Early Warning System Mobile Application. *Applied Sciences*. 12, 12776. <https://doi.org/10.3390/app122412776>
- 378) Chondros, M., Metallinos, A., Papadimitriou, A., Memos, C., Tsoukala, V. (2021). A Coastal Flood Early-Warning System Based on Offshore Sea State Forecasts and Artificial Neural Networks. *J. Mar. Sci. Eng.*, 9, 1272. [doi.:10.3390/jmse9111272](https://doi.org/10.3390/jmse9111272)

**C.1.35.**

- 379) Chondros MK, Metallinos AS, Papadimitriou AG (2024). Enhanced Mild-Slope Wave Model with Parallel Implementation and Artificial Neural Network Support for Simulation of Wave Disturbance and Resonance in Ports. *Journal of Marine Science and Engineering*. 12(2), 281. [doi:10.3390/jmse12020281](https://doi.org/10.3390/jmse12020281)

**C.1.40.**

- 380) Borzi, A. M., Minio, V., De Plaen, R., Lecocq, T., Cannavò, F., Ciraolo, G., ... & Cannata, A. (2024). Long-term analysis of microseism during extreme weather events: Medicanes and common storms in the Mediterranean Sea. *Science of The Total Environment*, 169989. [doi:10.1016/j.scitotenv.2024.169989](https://doi.org/10.1016/j.scitotenv.2024.169989)
- 381) Borzi A.M., Minio V., De Plaen R., Lecocq T., Alparone S., Aronica S., Cannavò F., Capodici F., et al. (2024). Integration of microseism, wavemeter buoy, HF radar and hindcast data to analyze the Mediterranean cyclone Helios. *Ocean Science*, EGU, Vol. 20, Issue 1, pp. 1–20. <https://doi.org/10.5194/os-20-1-2024>
- 382) Kotsi, E., Vassilakis, E., Diakakis, M., Mavroulis, S., Konsolaki, A., Filis, C., Lozios, S., Lekkas, E. (2023). Using UAS-Aided Photogrammetry to Monitor and Quantify the Geomorphic Effects of Extreme Weather Events in Tectonically Active Mass Waste-Prone Areas: The Case of Medicane Ianos. *Appl. Sci.*, 13, 812. <https://doi.org/10.3390/app13020812>
- 383) Irazoqui Apecechea M., Melet A. and Armaroli C. (2023). Towards a pan-European coastal flood awareness system: Skill of extreme sea-level forecasts from the Copernicus Marine Service. *Front. Mar. Sci.* 9:1091844. [doi:10.3389/fmars.2022.1091844](https://doi.org/10.3389/fmars.2022.1091844)
- 384) Diakakis, M., Mavroulis, S., Filis, C., Lozios, S., Vassilakis, E., Naoum, G., Soukis, K., Konsolaki, A., Kotsi, E., Theodorakidou, D. and Skourtsos, E., 2023. Impacts of Medicanes on Geomorphology and

Infrastructure in the Eastern Mediterranean, the Case of Medicane Ianos and the Ionian Islands in Western Greece. *Water*, 15(6), p.1026. <https://doi.org/10.3390/w15061026>

**C.2.56.**

- 385) Papadopoulos, N. and Gikas, V. (2023). Combined Coastal Sea Level Estimation Considering Astronomical Tide and Storm Surge Effects: Model Development and Its Application in Thermaikos Gulf, Greece. *J. Mar. Sci. Eng.*, 11, 2033. <https://doi.org/10.3390/jmse11112033>
- 386) Fernández-Montblanc, T., Vousdoukas, M.I., Mentaschi, L. and Ciavola, P. (2020). A Pan-European high resolution storm surge hindcast. *Environment International*, 135, p.105367. [doi:10.1016/j.envint.2019.105367](https://doi.org/10.1016/j.envint.2019.105367)

**C.2.57.**

- 387) Kaberi, H. et al. (2023). Thermaikos Gulf: An Area Under Multiple Natural and Anthropogenic Pressures. In: *The Handbook of Environmental Chemistry*. Springer, Berlin, Heidelberg. [https://doi.org/10.1007/698\\_2023\\_1045](https://doi.org/10.1007/698_2023_1045)

**T.2.**

- 388) Ρεπούσης Ε.Ε.Γ. (2014). *Μετάδοση Θραυόμενων Κυματισμών Επάνω Από Ύφαλους Κυματοθραύστες*. Διπλωματική Εργασία, Σχολή Πολιτικών Μηχανικών ΕΜΠ, Αθήνα. <http://dx.doi.org/10.26240/heal.ntua.5685> URL
- 389) Σαμλίδης Ν. (2014). *Κυματική Μετάδοση Πίσω Από Ύφαλους Κυματοθραύστες*. ΜΔΕ Διπλωματική Εργασία, ΔΠΜΣ ΕΜΠ, Αθήνα. <http://dx.doi.org/10.26240/heal.ntua.9726> URL
- 390) Κοτσίφης Φ.Α. (2013). *Σύνθετη Προσομοίωση Μετάδοσης Κυματικής Μετάδοσης Πάνω από Ύφαλο Κυματοθραύστη*. ΜΔΕ Διπλωματική Εργασία, ΔΠΜΣ ΕΜΠ, Αθήνα. <http://dx.doi.org/10.26240/heal.ntua.16623> URL
- 391) Κάππας Χ.Α. (2013). *Το υδροδυναμικό πεδίο γύρω από ύφαλο πορώδη κυματοθραύστη*. ΜΔΕ Διπλωματική Εργασία, ΔΠΜΣ ΕΜΠ, Αθήνα. <http://dx.doi.org/10.26240/heal.ntua.5389> URL

**T.3.**

- 392) Ρεπούσης Ε.Ε.Γ. (2016). *Διερεύνηση Υδροδυναμικού Πεδίου Σε Ύφαλους Διαπερατούς Κυματοθραύστες*. ΜΔΕ Διπλωματική Εργασία, ΕΜΠ, Αθήνα. <http://dx.doi.org/10.26240/heal.ntua.5268> URL