CURRICULUM VITAE

PERSONAL INFO

Family name	**Makris**	Portrait photo
First name	**Christos**	
Father's name	Vassileios	
Sex	Male	
Birth date	26/02/1979	
Nationality	Greek	

AFFILIATION – CONTACT INFO

Academic Address 1   Laboratory of Hydraulics and Environmental Engineering (LHEE)

Sector of Hydraulic Works (SHW)

Department of Civil Engineering (DCE), Faculty of Engineering (FoE)

Democritus University of Thrace (DUTh)

University Campus – Kimmeria

GR-67100, Xanthi, Thrace

GREECE

Academic Address 2   Laboratory of Maritime Engineering and Maritime Works (LMEMW)

Division of Hydraulics and Environmental Engineering (DHEE)

School of Civil Engineering (SCE)

Aristotle University of Thessaloniki (AUTh)

University Campus – Hydraulics Building

GR-54124, Thessaloniki, Central Macedonia

GREECE

Phone (DUTh Office)	(+30) 25410 79882
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e-mail (acad. DUTh)	cmakris@civil.duth.gr
e-mail (acad. AUTh)	cmakris@civil.auth.gr
e-mail (personal)	chrismakris@gmail.com
Skype	christos.makris

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CURRENT EMPLOYMENT STATUS

Full-time   Assistant Professor of Computational Fluid Mechanics for Hydraulic Engineering at the DCE of DUTh

Part-time   Research Associate at the SCE of AUTh

CONCISE MEMO OF PROFESSIONAL EXPERIENCE

1997-2000   Official Organization of Betting in Hellenic Sport Events (OPAP)

2006   Research Assistant in NTUA (Program: NTUA subcontracted by LACECO Ltd., Project: Saraya Aqaba Lagoon)

2007-2013   Tutor and Teaching Assistant in the Civil Engineering Dept. of AUTh

2008   Research Assistant in AUTh (Program: EIPCOPII – ΕΠΕΑΕΚ II, Project: Integration of Investigation and Reformation of AUTh Studies)

2008   Research Assistant in AUTh (Program: INTERREG III-B – ARCHIMED, Project: CORI)

2010   Research Assistant in AUTh (Program: Research DG–GoEC, Project: SESAME)

2010-2012   Freelance Civil Engineering Consultant Professional

2012   Research Assistant in AUTh (Program: EIPCOPII – ΕΠΕΑΕΚ II, Project: Enhancement of Research, Educational, and Cultural Activities of Civil Engineering Dept. of AUTh)

2012-2015   Research Associate in AUTh (Program: THALES, Project: CCSEAWAVS)

2013-2015   Research Associate in AUTh (Program: COOPERATION 2011, Project: WaveForUs)

2015   Research Associate in AUTh/NTUA (Program: Education and Lifelong Learning 2007-2013, Project: KALLIPOS)

2016   Research Associate in AUTh (participation in writing and submission of proposals for Program: HORIZON 2020, Project: SIRoCCo; Program: INTERREG Balkan-Med, Project: FACTS)

2016-2017   Post-doctoral Research Fellow in AUTh (Program: IKY-SIEMENS excellence scholarships for post-doctoral research in Greece by the State Scholarships Foundation (SSF/IKY) academic year 2016-17, Project: Investigation of the impacts of intense storm surge events on the coastal zones of the Mediterranean Sea)

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2017	Research Associate in AUTh (participation in writing and submission of proposals for Program: Academic Teaching Experience for Young Scientists and Doctors, Project: EDBM20; Program: EDBM34, Project: CCFLOOD-MedBlack; Program: ELIDEK, Projects: UPRIPORT-CC and BEACHPROTECT; Program: Research – Create – Innovate, Project: DeSTACCI; Program: ENI CBC BSB 2014-2020, Project: TIMMOD)
2017-2019	Research Associate in AUTh (Program: EYATh S.A. – AUTh Cooperation, Project: Monitoring of Water Quality in the Maritime Environment of the Thermaikos Gulf, Thessaloniki, Greece)
2018	University Fellow Scholar in AUTh (Program: Development of Human Resources, Education and Lifelong Learning - EDBM45, Project: Acquisition of academic teaching experience for new PhD scientists)
2018-2020	Research Associate in AUTh (Program: ERANETMED, Project: MEDAQCLIM)
2018-2022	Research Associate in AUTh (Program: Research–Create–Innovate, Project: ACCU-WAVES)
2020	Research Associate of Scientia Maris co. (Program: Research–Create–Innovate, Project: COAST-UP)
2020-2022	Research Associate in AUTh (Program: ENI-CBC JOP BSB2019, Project: TIMMOD)
2021-2023	Research Associate in AUTh (Program: Support to the Management Authority of Thermaikos Gulf Protected Areas for the implementation of interventions for the management, protection and promotion of the natural environment and biodiversity within its area of responsibility, Project: Mapping of pressures and estimation of external and internal loads of nutrients and organic material for the protection and management of the marine waters in Thermaikos Gulf)
2023	University Fellow Scholar in AUTh (Program: Development of Human Resources, Education and Lifelong Learning – EDBM191, Project: Acquisition of academic teaching experience for new PhD scientists)
2024-2026	Research Associate in AUTh (Program: Interreg EuroMED, Project: LocAll4Flood)
2024-…	Assistant Professor in DUTh (Computational Fluid Mechanics for Hydraulic Engineering)
2025	Scientific Research Project Manager at DUTh, (Project: Subcontracting ANATOLIKI S.A. in the framework of MedSeaRise, Program: Interreg Euro-MED)

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MEMBER OF SOCIETIES – INSTITUTIONS – CHAMBERS

2006   Member of Technical Chamber of Greece (TEE); Specialty: Civil Engineer; Registry Number: 107708, since 08/03/2006

2021   Member of International Association of Hydro-Environment Engineering and Research (IAHR); Member of Committees on: Coastal and Maritime Hydraulics, Flood Risk Management, Climate Change Adaptation, Fluid Mechanics, Hydraulic Structures, IAHR/IWA Joint Committee on Marine Outfall Systems, Water Resources Management, Oil Spill Modelling Working Group

2021   Member of the European Geosciences Union (EGU)

2021   Member of the Hellenic Hydrotechnical Association (HHA)

2024   Elected Member of the HHA Administration Board

EDUCATION – PROFESSIONAL QUALIFICATIONS

2005   Diploma of the Civil Engineering Dept., Faculty of Engineering, AUTh with specialty (MEng) in Hydraulics and Environmental Engineering (grade: 7.03/10)

2007   MSc in Water Resources Engineering & Management of the Interdisciplinary Post-graduate Studies Program "Science and Technology of Water Resources" of NTUA with specialty on "Coastal Engineering and Coastal Zone Management" (grade: 8.25/10)

2014   Doctorate (PhD) Diploma of the post-graduate studies program of the Civil Engineering Dept. in AUTh, on the scientific field of Computational Fluid Dynamics for Coastal Flows and Wave-induced Coastal Processes with focus on Smoothed Particle Hydrodynamics (grade: Excellent)

LANGUAGE SKILLS

English   Fluent (Cambridge Proficiency Certificate)   Level: C2 (writing, reading, oral, listening)

German   Moderate (Goethe Zertifikat – ex-Grundstufe)   Level: B1 (writing, reading, oral, listening)

French   Novice (six years of high-school courses)   Level: A2 (reading, listening) A1 (oral)

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COMPUTING SKILLS AND TECHNICAL SOFTWARE*

* Grading order   novice → moderate → good → very good → excellent

O/S	Microsoft Windows (excellent); GNU/Linux (moderate)
Office	MS-Office & OpenOffice (excellent); XLSTAT (moderate)
Scientific	FORTRAN 77 and Fortran 90/95 (very good); Fortran 2003 (good); Visual Basic for Applications (good); MATLAB (moderate); Python (moderate); R (moderate)
CFD/Engineer	HiReSS, WAVE-L, GreCSS/MeCSS, CoastFLOOD (excellent; developer), SPHysics, MIKE21 (suites PP, HD, BW, SW, NSW, PMS, EMS, FM, SW-FM), Plumes, Visual Plumes, CEM_PE (very good); CORMIX, ACES, CEDAS, NN EurOtop, EurOtop Calculation Tool (moderate); DualSPHysics, T_Tide, MACE, SWAN, WAVEWATCH-III, XBeach, SBEACH, FLUENT, FLOW3D, CRESS, GENESIS, Xtide, Telemac, TOMAWAC, LISFLOOD-FP (novice)
Oceanography	SeaBird Modules: SeaTerm, SeasaveV7, SBEDataProcessing, SeaSoftWaves (very good); Teledyne Modules: WinSC, WinADCP, WavesMon, BBTalk (good)
Graphs/Maps	Golden Software Surfer/Grapher, ParaView, GetData (very good); QGIS, Tecplot (novice)
CAD/Design	Inkscape (very good); AutoCAD, CorelDRAW, Blender (novice)

SCIENTIFIC THESES & DISSERTATIONS (Total: 4)

T) THESES & DISSERTATIONS (4)

1) **Makris**, C.V. and Politis, A. (**2005**). *Dispersion and Environmental Effects of a Thermal Plume in the Maritime Environment*, Civil Engineering Diploma Thesis (Supervisor: Prof. Y.N. Krestenitis), LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece. (*in Greek*) URL

2) **Makris**, C.V. (**2007**). *Wave Transmission over Submerged Breakwaters*, Master Diploma Thesis (Supervisor: Prof. C.D. Memos), IPSP, 'Science and Technology of Hydraulic Resources', Course Series C' – "Coastal Zone Management", NTUA, Athens, Greece. (*in Greek*) doi:10.26240/heal.ntua.25391, URL
   Citations: 4

3) **Makris**, C.V. (**2014**). *Computational Simulation of Coastal Wave Processes with the use of Smoothed Particle Hydrodynamics (SPH) Method*, Doctoral Dissertation (Supervisors: Profs. Y.N. Krestenitis & C.D. Memos), LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece. (*in Greek*) doi:10.26262/heal.auth.ir.134620, GRI-2014-12638, doi:10.12681/eadd/34666, doi:10.13140/RG.2.2.17936.61445, URL
   Citations: 1

4) **Makris**, C.V. (**2017**). *Investigation of the impacts of intense storm surge events on the coastal zones of the Mediterranean Sea,* Post-doctoral Thesis (Supervisor: Y.N. Krestenitis), LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece. IKY-SIEMENS Program of excellence scholarships for post-doctoral research in Greece 2016-2017 (Scientific Discipline: Infrastructure, Urban Development – Environment, Specialization: Infrastructure and Environmental Engineering), State Scholarships Foundation (SSF/IKY). (*in Greek*) URL, doi:10.13140/RG.2.2.35687.09125

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PUBLICATIONS** (Total: 119)

*** CS = CiteScore, IF = Impact Factor*

A) ARTICLES IN SCIENTIFIC JOURNALS (21)
A.1) PEER-REVIEWED JOURNAL ARTICLES (21)

1) Androulidakis, Y., Kombiadou, K., **Makris**, C., Baltikas, V. and Krestenitis, Y. (**2015**). Storm surges in the Mediterranean Sea: variability and trends under future climatic conditions. *Dynamics of Atmospheres and Oceans*, Elsevier, Vol. 71, pp. 56–82. doi:10.1016/j.dynatmoce.2015.06.001

   CS: 3.10; IF: 1.70; h5-index: 18; median h5-index: 25; Citations: 142

2) **Makris**, C.V., Memos, C.D. and Krestenitis, Y.N. (**2016**). Numerical Modeling of Surf Zone Dynamics under Weak Plunging Breakers with SPH Method. *Ocean Modelling*, Elsevier, Vol. 98, pp. 12–35. doi:10.1016/j.ocemod.2015.12.001

   CS: 5.80; IF: 3.20; h5-index: 32; median h5-index: 48; Citations: 50

3) **Makris**, C., Galiatsatou, P., Tolika, K., Anagnostopoulou, C., Kombiadou, K., Prinos, P., Velikou, K., Kapelonis, Z., Tragou, E., Androulidakis, Y., Athanassoulis, G., Vagenas, C., Tegoulias, I., Baltikas, V., Krestenitis, Y., Gerostathis, T., Belibassakis, K. and Rusu, E. (**2016**). Climate Change Effects on the Marine Characteristics of the Aegean and Ionian Seas. *Ocean Dynamics*, Springer, Vol. 66, Issue 12, pp. 1603–1635. doi:10.1007/s10236-016-1008-1

   CS: 4.00; IF: 2.30; h5-index: 24; median h5-index: 31; Citations: 76

4) **Makris**, C., Androulidakis, Y., Kombiadou, K., Baltikas, V. and Krestenitis, Y. (**2017**). The impact of climate change on the storm surges of the Greek seas. *Hydrotechnika: Journal of Fluid Engineering and Water Resources*, Hellenic Hydrotechnical Association (EYE), Vol. 26, pp. 67-80. (in Greek) ISSN:1106-5419, 5282-15629-1-PB

   Citations: 2

5) Galiatsatou, P., **Makris**, C., and Prinos, P. (**2018**). Optimized Reliability Based Upgrading of Rubble Mound Breakwaters in a Changing Climate. *Journal of Marine Science and Engineering*, In: Special Issue "Climate Change, Coasts and Coastal Risk", 6(3): 92. doi:10.3390/jmse6030092

   CS: 3.70; IF: 2.90; h5-index: 50; median h5-index: 64; Citations: 41

6) Galiatsatou, P., **Makris**, C., Prinos, P., and Kokkinos D. (**2019**). Nonstationary joint probability analysis of extreme marine variables to assess design water levels at the shoreline in a changing climate. *Natural Hazards*, Springer. Vol. 98, Issue 3, pp. 1051–1089. doi:10.1007/s11069-019-03645-w

   CS: 6.20; IF: 3.70; h5-index: 63; median h5-index: 85; Citations: 32

7) **Makris** C., Androulidakis Y., Karambas T., Papadimitriou A., Metallinos A., Kontos Y., Baltikas V., Chondros M., Krestenitis Y., Tsoukala V., and Memos C. (**2021**). Integrated modelling of sea-state forecasts for safe navigation and operational management in ports: Application in the Mediterranean Sea. *Applied Mathematical Modelling*, Elsevier. 89(2), pp. 1206-1234. doi:10.1016/j.apm.2020.08.015

   CS: 9.40; IF: 5.00; h5-index: 76; median h5-index: 99; Citations: 38

8) Skoulikaris Ch., **Makris** Ch., Katirtzidou M., Baltikas V., and Krestenitis Y. (**2021**). Assessing the vulnerability of a deltaic environment due to climate change impact on surface and coastal waters: the case of Nestos River (Greece). *Environmental Modeling & Assessment*, Springer, Vol. 26, pp. 459-486, doi:10.1007/s10666-020-09746-2

   CS: 3.60; IF: 2.40; h5-index: 22; median h5-index: 37; Citations: 38

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9) Androulidakis Y., Kolovoyiannis V., **Makris** C., Krestenitis Y., Baltikas V., Stefanidou N., Chatziantoniou A., Topouzelis K., and Moustaka-Gouni M. (**2021**). Effects of ocean circulation on the eutrophication of a Mediterranean gulf with river inlets: The Northern Thermaikos Gulf. *Continental Shelf Research*, Elsevier, Vol. 221, 104416. doi:10.1016/j.csr.2021.104416

    CS: 4.40; IF: 2.30; h5-index: 30; median h5-index: 36; Citations: 32

10) Galiatsatou, P., **Makris**, C., Krestenitis, Y., and Prinos, P. (**2021**). Nonstationary Extreme Value Analysis of Nearshore Sea-State Parameters under the Effects of Climate Change: Application to the Greek Coastal Zone and Port Structures. *Journal of Marine Science and Engineering*, MDPI, 9(8), 817. doi:10.3390/jmse9080817

    CS: 3.70; IF: 2.90; h5-index: 50; median h5-index: 64; Citations: 20

11) **Makris**, C., Tolika, K. Baltikas, V., Velikou, K., and Krestenitis, Y. (**2023**). The impact of climate change on the storm surges of the Mediterranean Sea: coastal sea level responses to deep depression atmospheric systems. *Ocean Modelling*, Elsevier, Vol. 181, 102149. doi:10.1016/j.ocemod.2022.102149

    CS: 5.80; IF: 3.20; h5-index: 32; median h5-index: 48; Citations: 42

12) Androulidakis, Y., **Makris**, C., Mallios, Z., Pytharoulis, I., Baltikas, V. and Krestenitis, Y. (**2023**). Storm surges and coastal inundation during extreme events in the Mediterranean Sea: the IANOS Medicane. *Natural Hazards*, Springer, vol. 117, pp. 939-978. doi:10.1007/s11069-023-05890-6

    CS: 6.20; IF: 3.70; h5-index: 63; median h5-index: 85; Citations: 45

13) Katirtzidou, M., Skoulikaris, Ch., **Makris**, C., Baltikas, V., Latinopoulos, D. and Krestenitis, Y. (**2023**). Modeling stakeholders' perceptions in participatory multi-risk assessment on a deltaic environment under climate change conditions. *Environmental Modeling & Assessment*, Springer, Vol. 28, pp. 367–388. doi:10.1007/s10666-023-09890-5

    CS: 3.60; IF: 2.40; h5-index: 22; median h5-index: 37; Citations: 16

14) **Makris** C., Mallios Z., Androulidakis Y., and Krestenitis Y. (**2023**). CoastFLOOD: A High-Resolution Model for the Simulation of Coastal Inundation Due to Storm Surges, *Hydrology*, MDPI, 10(5), p. 103. doi:10.3390/hydrology10050103

    CS: 4.10; IF: 3.20; h5-index: 32; median h5-index: 42; Citations: 24

15) Androulidakis Y., **Makris** C., Mallios Z., and Krestenitis Y. (**2023**). Sea level variability and coastal inundation over the northeastern Mediterranean Sea. *Coastal Engineering Journal*, Taylor & Francis, 65(4), pp. 514-545. doi:10.1080/21664250.2023.2246286

    CS: 5.50; IF: 2.40; h5-index: 21; median h5-index: 37; Citations: 10

16) Androulidakis Y., **Makris** C., Krestenitis Y., Kolovoyiannis V., Baltikas V., Mallios Z., Pytharoulis I., Topouzelis K., Spondylidis S., Tegoulias, I., Kontos Y. (**2023**). Hydrography of Northern Thermaikos Gulf based on an integrated observational-modeling approach. *Continental Shelf Research*, Elsevier, vol. 269, 105141. doi:10.1016/j.csr.2023.105141

    CS: 4.40; IF: 2.30; h5-index: 30; median h5-index: 36; Citations: 9

17) **Makris** C., Papadimitriou A., Baltikas V., Spiliopoulos G., Kontos Y., Metallinos A., Androulidakis Y., Chondros M., Klonaris G., Malliouri D., Nagkoulis N., Zissis D., Tsoukala V., Karambas T., Memos C. (**2024**). Validation and Application of the Accu-Waves Operational Platform for Wave Forecasts at Ports. *Journal of Marine Science and Engineering*, MDPI, 12(2):220. doi:10.3390/jmse12020220

    CS: 3.70; IF: 2.90; h5-index: 50; median h5-index: 64; Citations: 7

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18) Androulidakis Y., **Makris** C., Kombiadou K., Krestenitis Y., Stefanidou N., Antoniadou C., Krasakopoulou E., Kalatzi M.I., Baltikas V., Moustaka-Gouni M., Chintiroglou C.C. (**2024**). Oceanographic research in the Thermaikos Gulf: a review over five decades. *Journal of Marine Science and Engineering*, MDPI, 12(5), 795. doi:10.3390/jmse12050795

    CS: 3.70; IF: 2.90; h5-index: 50; median h5-index: 64; Citations: 8

19) Androulidakis Y., Kolovoyiannis V., **Makris** C., Krestenitis Y. (**2024**). Evidence of 2024 Summer as the Warmest During the Last Four Decades in the Aegean, Ionian, and Cretan Seas. *Journal of Marine Science and Engineering*, MDPI, 12(11):2020. doi:10.3390/jmse12112020

    CS: 3.70; IF: 2.90; h5-index: 50; median h5-index: 64; Citations: 5

20) Androulidakis Y., **Makris** C. (**2025**). Hydrodynamic Circulation Modelling in the Marine Environment. *Journal of Marine Science and Engineering*, MDPI, 13(2):320. https://doi.org/10.3390/jmse13020320

    CS: 3.70; IF: 2.90; h5-index: 50; median h5-index: 64; Citations: 1

21) Androulidakis, Y., **Makris**, C., Kolovoyiannis, V., Kombiadou, K., Krestenitis, Y., Kartsios, S., Pytharoulis I., Baltikas V., Mallios Z. (**2025**). Operational platform for metocean forecasts in Thermaikos Gulf (Aegean Sea, Greece). *Journal of Operational Oceanography*, Taylor & Francis, 1–27. doi:10.1080/1755876X.2025.2503569

    CS: 8.60; IF: 3.10; h5-index: 19; median h5-index: 29; Citations: 1

B) BOOKS & BOOK CHAPTERS (3)
B.1) PEER-REVIEWED BOOKS (1)

1) Krestenitis, I., Kombiadou, K., **Makris**, C., Androulidakis, I., & Karampas, T. (**2015**). *Coastal engineering - Marine environmental hydraulics* [Undergraduate textbook]. Kallipos, Open Academic Editions. https://dx.doi.org/10.57713/kallipos-747

    Citations: 11

B.2) PEER-REVIEWED BOOK CHAPTERS (2)

2) **Makris**, C.V., Krestenitis, Y.N. and Memos, C.D. (**2010**). SPH Numerical Simulation of Surf Zone Characteristics, In: *Environmental Hydraulics* (Eds: Christodoulou, G.C., Stamou, A.I.), CRC Press, Taylor & Francis Group, A Balkema Book, Two Volume Set: Proceedings of the 6th International Symposium on Environmental Hydraulics, Athens, Greece, 23-25 June 2010, Vol.1, Chapter 67, pp. 445–450. Print ISBN: 978-0-415-58475-3, eBook ISBN: 978-0-203-84123-5, doi:10.1201/b10553-71

    Citations: 4

3) Krestenitis, Y., Pytharoulis, I., Karacostas, T., Androulidakis, Y., **Makris**, C., Kombiadou, K., Tegoulias, I., Baltikas, V., Kotsopoulos, S. and Kartsios, S. (**2017**). Severe weather events and sea level variability over the Mediterranean Sea: the WaveForUs operational platform. In: *Perspectives of Atmospheric Sciences* (Eds: Karacostas, T., Bais, A., Nastos, P.T.), Springer Atmospheric Sciences, Springer International Publishing, COMECAP 2016 Proceedings, Pt.1: Meteorology, pp. 63-68. Print ISBN: 978-3-319-35094-3, Online ISBN: 978-3-319-35095-0, doi:10.1007/978-3-319-35095-0_9

    Citations: 27

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C) PUBLICATIONS IN THE PROCEEDINGS OF SCIENTIFIC CONFERENCES (79)

C.P) CONFERENCE PAPERS (53)

1) **Makris**, C.V. and Memos, C.D. (**2007**). Wave Transmission over Submerged Breakwaters: Performance of Formulae and Models, *Proc. 17th International Offshore (Ocean) and Polar Engineering Conference*, International Society of Offshore and Polar Engineers (ISOPE), Lisbon, Portugal, 1-6 July 2007, pp. 2613-2620. EID:2-s2.0-36448985995 (*incl. oral presentation*)
   CS: 0.31; IF:0.37; h5-index: 15; median h5-index: 20; Citations: 25

2) **Makris**, C.V., Avgeris, I. and Memos, C.D. (**2007**). Hydraulic Behaviour of Submerged Breakwaters, *Proc. 4th Port Development and Coastal Environment Conference (PDCE)*, Black Sea Coastal Association, Varna, Bulgaria, 24-27 September 2007, pp. 269-278. URL (*incl. oral presentation*)
   Citations: 4

3) **Makris**, C.V. and Memos, C.D. (**2008**). Wave Transmission Through Submerged Breakwaters, *Proc. 4th Panhellenic Conference on Coastal Zone Management and Preservation (PCCZMP)*, Laboratory of Harbor Works, School of Civil Engineering, NTUA, Mytilene, Lesvos, Greece, 23-27 September 2008, pp. 247-256. URL (*in Greek; incl. oral presentation*)

4) **Makris**, C.V. and Krestenitis, Y.N. (**2009**). Free Educational Software on Maritime Hydrodynamics, Coastal Engineering and Oceanography, *Proc. 9th Panhellenic Symposium of Oceanography and Fisheries (PSOF)*, Hellenic Center of Marine Research, Lab. Of Marine Geology and Physical Oceanography, Dept. of Geology, University of Patras, Patras, Greece, 13-16 May 2009, Vol.1, pp. 546-551. URL (*in Greek; incl. oral presentation*)
   Citations: 2

5) **Makris**, C.V., Memos, C.D. and Krestenitis, Y.N. (**2009**). Numerical Simulation of Near-Shore Wave Breaking using SPH Method, *Proc. of 4th International Short Conference on Applied Coastal Research (SCACR)*, IAHR, International Centre for Coastal Resources Research, Maritime Engineering Laboratory of UPC (LIM/UPC), Barcelona, Spain, 15-17 June 2009, pp. 241-252. URL (*incl. oral presentation*)
   Citations: 6

6) **Makris**, C.V., Krestenitis, Y.N. and Memos, C.D. (**2010**). SPHysics code validation against a near-shore wave breaking experiment, *Proc. of 5th International SPH European Research Interest Community Workshop (SPHERIC)*, European Research Community on Flow Turbulence and Combustion (ERCOFTAC), University of Manchester, Manchester, UK, 23-25 June 2010, pp. 245-252. URL (*incl. oral and poster presentation*)
   Citations: 6

7) **Makris**, C.V., Memos, C.D. and Krestenitis, Y.N. (**2011**). Modelling of breaking wave dynamics, surf zone turbulence and wave-induced mean flows with the SPH numerical method, *Proc. of 5th International Short Conference on Applied Coastal Research (SCACR)*, International Association of Hydraulic Engineering & Research (IAHR), Institute of Hydraulic Engineering and Water Resources Management of RWTH Aachen University, Aachen, Germany, 6-9 June 2011, pp. 507-514. URL (*incl. poster*)
   Citations: 4

8) **Makris**, C.V., Krestenitis, Y.N. and Memos, C.D. (**2012**). SPH modeling of plunging wave breaking, surf zone turbulence and wave-induced currents, *Proc. of 22nd International Offshore (Ocean) and*

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Polar Engineering Conference, International Society of Offshore and Polar Engineers (ISOPE), Rhodes, Greece, 17-22 June 2012, pp. 1204-1212. EID:2-s2.0-84866133470 (*incl. oral presentation*)
CS: 0.31; IF:0.37; h5-index: 15; median h5-index: 19; Citations: 5

9) **Makris**, C.V. and Krestenitis, Y.N. (**2012**). Numerical Simulation of the Hydrodynamic Features of Near-Shore Surf Zone with SPH Method, *Proc. 2nd Common Conference of Hellenic Hydrotechnic Union (EYE) & Hellenic Commission on Water Resources Management (EEDYP): Integrated Water Resources Management towards Sustainable Development*, Dept. of Civil Engineering, Academic Network Hydrokritis, TGC, Patras, 11-13 October 2012, pp. 1070-1082. URL (*in Greek; incl. oral presentation*)

10) Krestenitis, Y.N., Androulidakis, Y., Kombiadou, K., **Makris**, C., Baltikas, V., Kalantzi, G. (**2014**). WaveForUs: Pilot Sea-State Forecasting System in the Thermaikos Gulf, *Proc. of 5th Environmental Conference of Macedonia (PESYMA)*, Thessaloniki, Greece, 14-16 March 2014. (*in Greek*) URL

11) **Makris**, C.V., Memos, C.D. and Krestenitis, Y.N. (**2014**). On SPH Modelling of Surf Zone Turbulence Under Weak Plungers, *Proc. of 3rd International Association of Hydraulic Research Europe Congress*, IAHR, Porto, Portugal, 14-16 April 2014. Part of ISBN:978-989-96479-2-3 (*incl. oral presentation*)
Citations: 2

12) Krestenitis, Y., Androulidakis, Y., Kombiadou, K., **Makris**, C., Baltikas, V. (**2014**). Modeling storm surges in the Mediterranean Sea under the A1B climate scenario, *Proc. 12th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP)*, Heraklion (Crete), Greece, 28-31 May 2014, pp. 91-95. Part of ISBN: 978-960-524-430-9 URL
Citations: 14

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2) **Makris**, C.V., Krestenitis, Y.N. and Memos, C.D. (**2012**). SPH modelling of plunging wave breaking, surf zone turbulence and wave-induced currents, *SPHERIC Newsletter*, Issue 15 - December 2012 (2-page abstract), SPH European Research Interest Community (SPHERIC), European Research Community on Flow Turbulence and Combustion (ERCOFTAC). URL

3) **Makris**, C.V. (**2015**). Forecasts of Storm Tides: High-resolution Storm Surge Model, *Proceedings of the WaveForUs Final Results Meeting*, Invited Presentation, KE.D.E.A. Building, AUTh Research Committee, Thessaloniki, Greece, 9 June 2015. (*in Greek; only oral presentation*) URL

4) **Makris**, C.V. (**2015**). Tsunamis: Generation, Impacts and Protection, *1st Scientific Weekend at TABYA*, Invited Presentation, TABYA multi-cultural space, Thessaloniki, Greece, 19-20 December 2015. URL (*in Greek; only oral presentation*)

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5) **Makris**, C.V. and Krestenitis. Y.N. (**2008b**). *Educational Software for the Course 'Coastal Engineering and Harbor Works' (7th Semester)*, LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece. (*in Greek*)

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9) Krestenitis, Y.N., Karambas, Th., Androulidakis, Y., Kombiadou, K., **Makris**, C., Baltikas, V., Skoulikaris, C., Kontos, Y., Pytharoulis, Y., Karakostas, Th., Katragou, E., Kotsopoulos, S., Babzelis, D. and Tegoulias, Y. (**2014**). *Wave-Circulation-Storm Surge 3-day forecasts – development, calibration and validation of models*, Research Work WaveForUs (Wave climate and coastal circulation Forecasts for public Use), First Annual Technical Report of WP2.1, LMEMW, Lab. of Meteorology and Climatology, COOPERATION 2011 Project, Thessaloniki, Greece. (*in Greek*)

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25) **Makris** C. et al. (**2020**). *Presentation and evaluation of hydrodynamic simulations.* Technical Report Π.2.5. Project: Accu-Waves, Program: RESEARCH – CREATE – INNOVATE. Partners: Laboratory of Harbor Works NTUA, Laboratory of Maritime Engineering AUTh, Marine Traffic. (*in Greek*)

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42) TIMMOD Team (2022). Deliverable D.T2.5.2 Framework of actions for fisheries and aquacultures in the Black Sea including Water Quality Indices (WQIs) and associated indicators from Environmental Impact Assessments (EIA) (14/03/2022). Technical Report, TIMMOD Project, Reference No. BSB-1029, Varna, Bulgaria.

43) TIMMOD Team (2021). Deliverable D.T3.1.1 Pilot Test Demonstration program (14/08/2021). Technical Report, TIMMOD Project, Reference No. BSB-1029, Varna, Bulgaria.

44) TIMMOD Team (2022). Deliverable D.T3.2.1 Technical report: Progress at setting-up 2 pilot test demonstration sites (14/01/2022). Technical Report, TIMMOD Project, Reference No. BSB-1029, Varna, Bulgaria.

45) TIMMOD Team (2022). Deliverable D.T3.3.1 Review and Evaluation Report of training on hydro-acoustic sounder practical application (14/01/2022). Technical Report, TIMMOD Project, Reference No. BSB-1029, Varna, Bulgaria.

46) TIMMOD Team (2022). Deliverable D.T3.3.2 Pilot Demonstration Project Report: Part 1: Marine Survey Bulgaria Part 2: Marine Survey Georgia (14/01/2022). Technical Report, TIMMOD Project, Reference No. BSB-1029, Varna, Bulgaria.

47) TIMMOD Team (2022). Deliverable D.T3.4.1 Review-Report of applied methodologies and recommendations (14/04/2022). Technical Report, TIMMOD Project, Reference No. BSB-1029, Varna, Bulgaria.

48) TIMMOD Team (2021). Deliverable D.T4.2.1 Draft Innovation Strategy to improve joint monitoring, data sharing and cross-border information exchange systems in compliance with MSFD and DCF (14/11/2021). Technical Report, TIMMOD Project, Reference No. BSB-1029, Varna, Bulgaria.

49) TIMMOD Team (2021). Deliverable D.T4.1.1 Technical Report -Study on transboundary coordination mechanisms, available organisational and human resources in the area, and their relevance to the planned technological upgrade. Identifying priority issues, set in accordance to the MSFD and DCF (14/01/2021). Technical Report, TIMMOD Project, Reference No. BSB-1029, Varna, Bulgaria.

50) TIMMOD Team (2022). Deliverable D.T4.3.1 Proceedings (from each partner country) of the National Validation Workshops (in electronic format) (14/02/2022). Technical Report, TIMMOD Project, Reference No. BSB-1029, Varna, Bulgaria.

51) TIMMOD Team (2022). Deliverable D.T4.4.1 Proceedings of the Strategy Validation Workshop (in electronic format (14/05/2022).

52) TIMMOD Team (2022). Deliverable D.T4.4.2 Validated "Innovation Strategy" (14/05/2022). Technical Report, TIMMOD Project, Reference No. BSB-1029, Varna, Bulgaria.

53) TIMMOD Team (2022). Output Report T1.1. Raised awareness & improved regional cooperation of R&D organisations in technology innovation of marine monitoring for assessment of fish stock & non-fish resources, achieved by organization of 2 Thematic Trans-boundary Meetings (TTM 1&2).

Links denoted with blue color in pdf version

54) TIMMOD Team (2022). Output Report T2.1. A set of 4 ICT monitoring data handling and numerical modelling tools, integrated in a Pilot Monitoring & Modelling Data Sharing Platform (MMDSP).

55) TIMMOD Team (2022). Output Report T3.1. Improved technological expertise and practical skills of research institutions in use of innovative tools for monitoring, modelling, and data acquisition, achieved by joint participation in a Pilot Demonstration Project (at 2 demo sites).

56) TIMMOD Team (2022). Output Report T3.2. Improved capacity of research institutions for cross-border compatible exchange of environmental monitoring data and information, resulting from 2 Thematic Transboundary Meetings for discussion of Pilot Demonstration Project results.

57) TIMMOD Team (2022). Output Report O.T4.1. A coherent Black Sea Strategy for advancement in technology innovation in R&D organisations and innovation agencies in the area of monitoring, modelling, and cross-border data exchange, validated at 5 National and one Regional Validation Workshops.

58) Γ.Ν. Κρεστενίτης, Ε. Νταρακάς, Ι. Ανδρουλιδάκης, Χ. **Μακρής**, Β. Τσιρίδης, Α. Στεφανίδου, Μ. Πεταλά, Χ. Αντωνιάδου, Β. Μπαλτίκας, Β. Κολοβογιάννης (**2021**). *Σταθμοί μέτρησης – πρόγραμμα μετρήσεων*, Τεχνική Έκθεση – Παραδοτέο Π0, Έργο: Χαρτογράφηση πιέσεων και αποτίμηση εξωτερικών και εσωτερικών φορτίων θρεπτικών και οργανικού υλικού για την προστασία και διαχείριση του θαλάσσιου χώρου περιοχής αρμοδιότητας του ΦΔΠΠ Θερμαϊκού Κόλπου. MIS 5045794 Ε.Π. Κεντρική Μακεδονία 2014-2020.

59) Γ.Ν. Κρεστενίτης, Ε. Νταρακάς, Ι. Ανδρουλιδάκης, Χ. **Μακρής**, Β. Τσιρίδης, Μ. Πεταλά, Χ. Αντωνιάδου, Β. Μπαλτίκας, Β. Κολοβογιάννης, Ζ. Καμπουράκη, Φ. Σακκαβέλη, Α. Στεφανίδου, Μ. Δερμετζιόγλου (**2022**). *Βιβλιογραφική ανασκόπηση - Αρχικά αποτελέσματα μετρήσεων - Μετεωρολογικά και ωκεανογραφικά στοιχεία*, Τεχνική Έκθεση – Παραδοτέο Π1, Έργο: Χαρτογράφηση πιέσεων και αποτίμηση εξωτερικών και εσωτερικών φορτίων θρεπτικών και οργανικού υλικού για την προστασία και διαχείριση του θαλάσσιου χώρου περιοχής αρμοδιότητας του ΦΔΠΠ Θερμαϊκού Κόλπου. MIS 5045794 Ε.Π. Κεντρική Μακεδονία 2014-2020.

60) Γ.Ν. Κρεστενίτης, Ε. Νταρακάς, Ι. Ανδρουλιδάκης, Χ. **Μακρής**, Β. Τσιρίδης, Μ. Πεταλά, Χ. Αντωνιάδου, Β. Μπαλτίκας, Β. Κολοβογιάννης, Ζ. Καμπουράκη, Φ. Σακκαβέλη, Α. Στεφανίδου, Μ. Δερμετζιόγλου (**2023**). *Τελική Τεχνική Έκθεση* – Παραδοτέο Π2, Έργο: Χαρτογράφηση πιέσεων και αποτίμηση εξωτερικών και εσωτερικών φορτίων θρεπτικών και οργανικού υλικού για την προστασία και διαχείριση του θαλάσσιου χώρου περιοχής αρμοδιότητας του ΦΔΠΠ Θερμαϊκού Κόλπου. MIS 5045794 Ε.Π. Κεντρική Μακεδονία 2014-2020.

61) LocAll4Flood Team (2024a). Definition of the 4 topographical areas of the Mediterranean most commonly affected by flash floods. Deliverable: D.1.1.1. Delivery: June 2024, Partner in charge: BETA (UVic-UCC), Partners involved: All. Distribution: Public.

62) LocAll4Flood Team (2024b). Report on the Early Warning System [EWS] to be implemented in the pilot sites. Deliverable: D.1.2.1. Delivery: October 2024, Partner in charge: HYDS, Partners involved: All. Distribution: Public.

63) LocAll4Flood Team (2024c). Catalogue of the Adaptation solutions available in the 4 different topographical areas. Deliverable: D.1.3.1. Delivery: December 2024, Partner in charge: UIB-GLOWATER, Partners involved: All. Distribution: Public.

Links denoted with blue color in pdf version

64) LocAll4Flood Team (2024d). Catalogue of the Mitigation solutions available in the 4 different topographical areas. Deliverable: D.1.4.1. Delivery: December 2024, Partner in charge: CNR, Partners involved: All. Distribution: Public.

65) LocAll4Flood Team (2024). LocAll4Flood integrated multistakeholder governance model – Training programme. Deliverable: D.1.5.1. Delivery: December 2024, Partner in charge: BDCA, Partners involved: All. Distribution: Public.

66) LocAll4Flood Team (2024). Identification form of each of the Pilot sites. Deliverable: D.2.1.1. Delivery: October 2024, Partner in charge: BDCA, Partners involved: All. Distribution: Internal.

*RESEARCHER PERFORMANCE METRICS****

*** derived from Google Scholar, ResearchGate, Scopus, etc.

|	
h-index:	max value *h* such that *h* publications have at least *h* citations
h5-index:	*h*-index for last 5 years for the journal/proceedings of each published paper
i10- and *i1*-index:	number of publications with at least 10 and 1 citations, respectively
C_{max}:	number of citations of the most cited publication
RI Score:	ResearchGate total research interest

Impact   Total CS points: **98.14**   Total IF points: **59.78**

Total *h5*-index points: **844**   Total median *h5*-index points: **1135**

RI score: **1100**

Citation Scores

Parameter	Measured	Google Scholar	ResearchGate	Scopus
Citations	**973**	894	995	440
Heterocitations	**554** (56.9%)	**546** (61.1%)	**488** (49.1%)	**348** (79.1%)
h-index	**16**	17	16	12
i10-index	**23**	21	28	14
i1-index	**80**	66	75	23
C_{max}	**142**	147	135	94
Documents	**123**	143	141	28

Oral Presentations   Total: **43**   International: **29**   National: **14**   Invited Speeches: **3**

Links denoted with blue color in pdf version

| Aggregated Info on Scientific Publications					
Type of Publication	Total	1st Author	2nd Author	Other	Average Authors / Publication
Peer-reviewed Journal Articles	21	7/21	10/21	4/21	6.81
Peer-reviewed Books & Book Chapters	3	1/3	-	2/3	6.00
Peer-reviewed and Non-refereed Papers in Conference Proceedings	53	24/53	13/53	16/53	6.23
Conference Abstracts	26	11/26	6/26	9/26	6.69
Miscellaneous Publications	16	6/16	5/16	5/16	4.25
Theses / Dissertations	4	4/4	-	-	1.25
SUM OF PUBLICATIONS	123	53/123	34/123	36/123	**6.00**
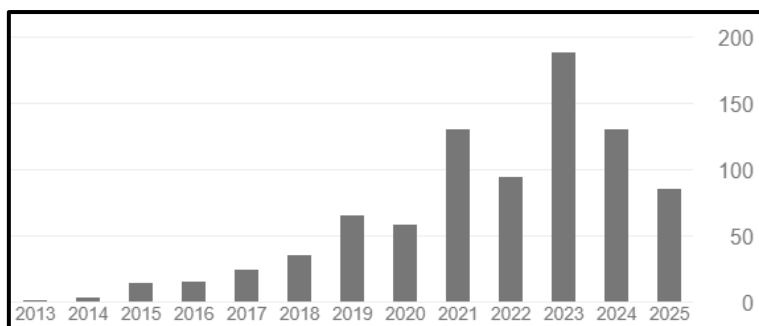
Citations per year based on Google Scholar database
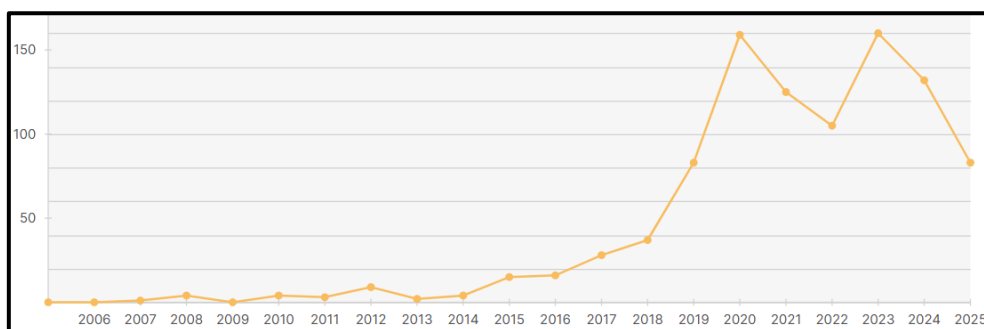
Citations per year based on ResearchGate database
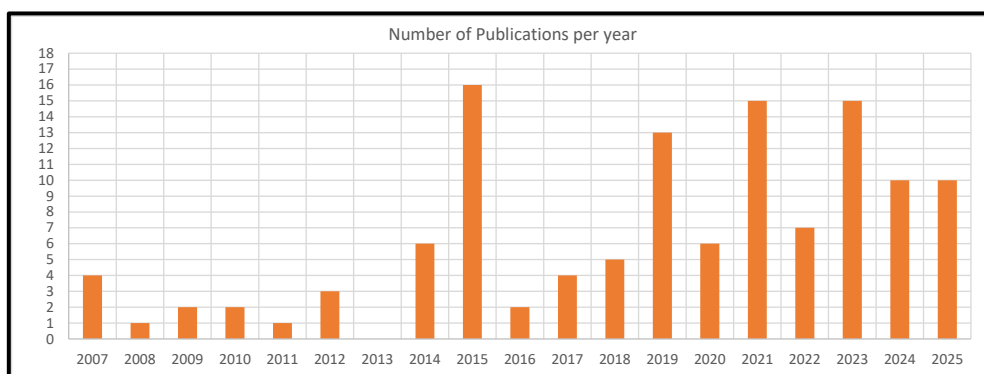
Annual productivity of Publications

Links denoted with blue color in pdf version
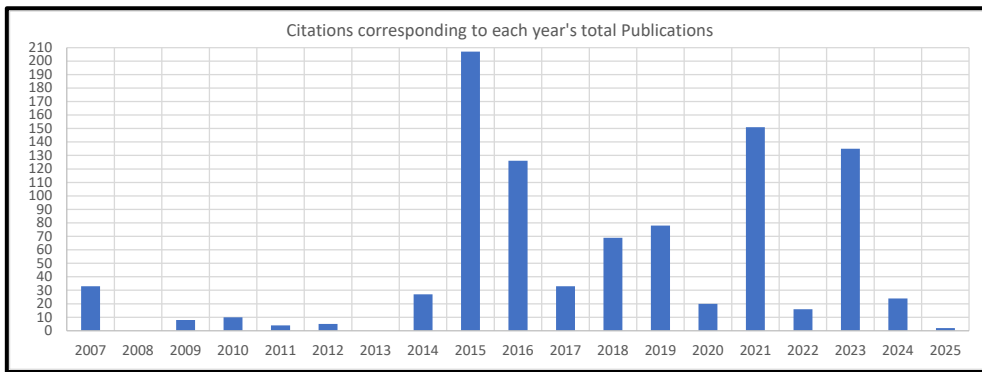
Productivity of Citations corresponding to each year's total amount of Publications
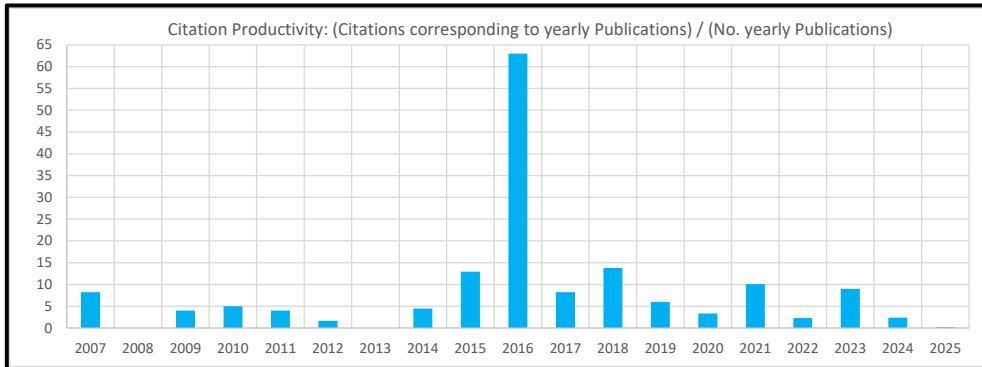
Citation/Productivity impact: ratio of Citations concerning the annually total Publications to each year's total Publications

Highlights

Citation of Article A.1.2 by Makris et al. (2016) in the seminal Academic Book "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, which cites only established mature papers in their discipline.

Inclusion of author C. Makris to the international "Citation Network by Author" in the meta-analysis of the bibliometric paper "Leal, K.B., Robaina, L.E.D.S. and De Lima, A.D.S., 2022. Coastal impacts of storm surges on a changing climate: a global bibliometric analysis. *Natural Hazards*, 114(2), pp.1455-1476." doi:10.1007/s11069-022-05432-6 about issues relevant to climate change and storm surges. Figure 8 presents the cluster analysis of the authors, for which at least 3 published papers were cited 4 times by other researchers.

Inclusion of Wave4Us operational forecast platform to the official Copernicus Marine Service use cases (19/11/2024): https://marine.copernicus.eu/services/use-cases/operational-forecast-system-wave4us

No. 2 among 20 (5th percentile) in the international ranking order of cited researchers according to GoogleScholar database for the keyword/label: *port engineering*

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No. 10 among 50 (18th percentile) in the international ranking order of cited researchers according to GoogleScholar database for the keyword/label: *coastal flooding*

No. 16 among 40 (37.5th percentile) in the international ranking order of cited researchers according to GoogleScholar database for the keyword/label: *wave modelling*

No. 34 among 92 (36th percentile) in the international ranking order of cited researchers according to GoogleScholar database for the keyword/label: *storm surge*

No. 283 among 1177 (24th percentile) in the international ranking order of cited researchers according to GoogleScholar database for the keyword/label: *coastal engineering*

REVIEWER FOR SCIENTIFIC JOURNALS & CONFERENCES (Total: 46; Reviews: 89)

Journals

1) Ocean Modelling, Elsevier (x6)

CS: 6.40; IF: 3.29; h5-index: 34; median h5: 46

https://www.journals.elsevier.com/ocean-modelling

2) Ocean Dynamics, Springer (x1)

CS: 3.70; IF: 2.20; h5-index: 26; median h5: 33

https://link.springer.com/journal/10236

3) Ocean Engineering, Elsevier (x2)

CS: 6.50; IF: 4.37; h5-index: 72; median h5: 85

https://www.journals.elsevier.com/ocean-engineering

4) Advances in Water Resources, Elsevier (x2)

CS: 9.00; IF: 5.36; h5-index: 58; median h5: 72

https://www.journals.elsevier.com/advances-in-water-resources

5) Natural Hazards and Earth System Sciences, EGU (x2)

CS: 7.20; IF: 4.58; h5-index: 48; median h5: 58

https://www.natural-hazards-and-earth-system-sciences.net/index.html

6) Journal of Operational Oceanography, Taylor & Francis (x2)

CS: 7.00; IF: 4.21; h5-index: 18; median h5: 26

https://www.tandfonline.com/journals/tjoo20

7) Acta Geophysica, Springer Nature (x3)

CS: 2.60; IF: 2.29; h5-index: 26; median h5: 40

https://www.springer.com/journal/11600

8) Journal of Marine Research, Yale University (x1)

h5-index: 26; median h5: 40

http://www.journalofmarineresearch.org/

9) Journal of Marine Science and Engineering, MDPI (x17)

Links denoted with blue color in pdf version

CS: 2.80; IF: 2.74; h5-index: 37; median h5: 47

http://www.mdpi.com/journal/jmse

10) Applied Sciences, MDPI (x2)

CS: 3.70; IF: 2.84; h5-index: 105; median h5: 140

https://www.mdpi.com/journal/applsci

11) Energies, MDPI (x1)

CS: 5.00; IF: 3.25; h5-index: 108; median h5: 146

https://www.mdpi.com/journal/energies

12) Climate, MDPI (x1)

CS: 4.70; h5-index: 36; median h5: 49

https://www.mdpi.com/journal/climate

13) Hydrology, MDPI (x1)

CS: 3.60; h5-index: 27; median h5: 33

https://www.mdpi.com/journal/hydrology

14) Mediterranean Marine Science, HCMR (x4)

CS: 3.60; IF: 3.02; h5-index: 22; median h5: 33

https://ejournals.epublishing.ekt.gr/index.php/hcmr-med-mar-sc

15) Natural Hazards Research, KeAi, Elsevier (x2)

https://www.sciencedirect.com/journal/natural-hazards-research

16) Regional Studies in Marine Science, Elsevier (x2)

CS: 2.30; IF: 2.17; h5-index: 26; median h5: 31

https://www.sciencedirect.com/journal/regional-studies-in-marine-science

17) Computational Particle Mechanics, Springer (x1)

CS: 3.30; IF: 3.12; h5-index: 25; median h5: 30

https://www.springer.com/journal/40571

18) Coasts, MDPI (x1)

https://www.mdpi.com/journal/coasts

19) Theoretical and Applied Climatology, Springer (x1)

CS: 5.10; IF: 3.40; h5-index: 57; median h5: 74

https://www.springer.com/journal/704

20) GeoHazards, MDPI (x1)

https://www.mdpi.com/journal/geohazards

21) Journal of Hydroinformatics, IWA Publishing (x1)

CS: 4.50; IF: 2.70; h5-index: 30; median h5: 45

https://www2.cloud.editorialmanager.com/hydro/default2.aspx

22) Frontiers in Marine Science, Frontiers (x1)

CS: 5.20; IF: 3.70; h5-index: 93; median h5: 135

https://www.frontiersin.org/journals/marine-science

23) Estuarine, Coastal and Shelf Science, Elsevier (x1)

CS: 5.50; IF: 2.80; h5-index: 50; median h5: 66

https://www.sciencedirect.com/journal/estuarine-coastal-and-shelf-science

24) Earth Surface Processes and Landforms, Wiley (x1)

CS: 7.00; IF: 3.30; h5-index: 45; median h5: 60

https://onlinelibrary.wiley.com/journal/10969837

25) Behaviour & Information Technology, Taylor & Francis (x1)

CS: 6.80; IF: 3.70; h5-index: 55; median h5: 76

https://www.tandfonline.com/journals/tbit20

26) Science of the Total Environment, Elsevier (x1)

CS: 17.60; IF: 9.80; h5-index: 273; median h5: 375

https://www.sciencedirect.com/journal/science-of-the-total-environment

27) Ocean & Coastal Management, Elsevier (x1)

CS: 8.50; IF: 4.80; h5-index: 66; median h5: 85

https://www.sciencedirect.com/journal/ocean-and-coastal-management

28) Applied Ocean Research, Elsevier (x1)

CS: 8.70; IF: 4.30; h5-index: 53; median h5: 68

https://www.sciencedirect.com/journal/applied-ocean-research

29) Journal of Environmental Management, Elsevier (x1)

CS:13.70; IF: 8.00; h5-index: 171; median h5: 233

https://www.sciencedirect.com/journal/journal-of-environmental-management

30) International Journal of Disaster Risk Reduction, Elsevier (x1)

CS:8.70; IF: 4.20; h5-index: 88; median h5: 107

https://www.sciencedirect.com/journal/international-journal-of-disaster-risk-reduction

31) Land, MDPI (x1)

CS:4.90; IF: 3.20; h5-index: 72; median h5: 94

https://www.mdpi.com/journal/land

32) Coastal Engineering, Elsevier (x1)

CS:9.20; IF: 4.20; h5-index: 46; median h5: 60

https://www.sciencedirect.com/journal/coastal-engineering

33) Progress in Oceanography, Elsevier (x1)

CS:7.20; IF: 3.80; h5-index: 44; median h5: 57

https://www.sciencedirect.com/journal/progress-in-oceanography

34) Water Science, Taylor & Francis (x1)

CS:3.00; IF: 2.10

https://www.tandfonline.com/journals/twas20

35) Journal of Hydrology, Elsevier (x1)

CS:11.00; IF: 5.90

https://www.sciencedirect.com/journal/journal-of-hydrology

36) Continental Shelf Research, Elsevier (x1)

CS:4.30; IF: 2.10

https://www.sciencedirect.com/journal/continental-shelf-research

37) Oceans, MDPI (x1)

CS:3.10; IF: 1.50

https://www.mdpi.com/journal/oceans

38) Dynamics of Oceans and Atmospheres, Elsevier (x1)

Links denoted with blue color in pdf version

CS:3.10; IF: 1.90

https://www.sciencedirect.com/journal/dynamics-of-atmospheres-and-oceans

39) Scientific Reports, Springer (x1)

CS:6.90; IF: 3.80

https://www.nature.com/srep/

40) Engineering Applications of Artificial Intelligence, Elsevier (x1)

CS:9.60; IF: 7.50

https://www.sciencedirect.com/journal/engineering-applications-of-artificial-intelligence

41) Physics and Chemistry of the Earth, Parts A/B/C, Elsevier (x1)

CS:5.40; IF: 3.00

https://www.sciencedirect.com/journal/physics-and-chemistry-of-the-earth-parts-a-b-c

42) Thalassas: An International Journal of Marine Sciences, Springer (x1)

CS:1.30; IF: 0.70

https://link.springer.com/journal/41208

43) Geomatics, Natural Hazards and Risk, Taylor & Francis (x1)

CS:8.00; IF: 4.60

https://www.tandfonline.com/journals/tgnh20

Conferences	1) International Offshore and Polar Engineering (ISOPE) Conference (x9)

http://www.isope.org/conferences/conferences.htm

2) Protection and Restoration of the Environment (PRE) Conference (x2)

http://pre13.civil.auth.gr/

3) International Conference on Design and Management of Port, Coastal and Offshore Works (DMPCO) (x1)

https://dmpco.eu/

Total Reviews	**89**
Journal Paper Reviews	77
Conference Paper Reviews	12

EDITOR OF SCIENTIFIC JOURNALS (Total: 3)

Guest Editor

1) Special Issue "Hydrodynamic Circulation Modelling in the Marine Environment" of MDPI's *Journal of Marine Science and Engineering* (ISSN 2077-1312). This special issue belongs to the section "Physical Oceanography". https://www.mdpi.com/journal/jmse/special_issues/hydrodynamic_circulation

2) Special Issue " Modeling of Flood Hazard and Assessment of Inundation Impacts, Vulnerability and Risk in Coastal Areas" of MDPI's *Water* (ISSN 2073-4441). This special issue belongs to the section "Hydrology". https://www.mdpi.com/journal/water/special_issues/U36ZQ0S8WF

Topic Editor

3) MDPI's *Water* (EISSN 2073-444). https://www.mdpi.com/journal/water

Links denoted with blue color in pdf version

EDITOR OF SCIENTIFIC CONFERENCE PROCEEDINGS

1) Book of Abstracts for 2nd International Conference on Design and Management of Port, Coastal, and Offshore Works (DMPCO), 24-27 May 2023, AUTh Research Dissemination Center, Thessaloniki, Greece, Editors Th. Karambas, E. Loukogeorgaki, C. Makris

2) Book of Proceedings for 2nd International Conference on Design and Management of Port, Coastal, and Offshore Works (DMPCO), 24-27 May 2023, AUTh Research Dissemination Center, Thessaloniki, Greece, Editors Th. Karambas, E. Loukogeorgaki, C. Makris

PROFESSIONAL EXPERIENCE IN ORGANIZING MEETINGS AND WORKSHOPS

Organizing Committee

1) WaveForUs Program Closure Workshop, Division of Hydraulics and Environmental Engineering, School of Civil Engineering, AUTh, KE.D.E.A. Building, AUTh Research Committee, Thessaloniki, Greece, 9 June 2015.

2) CCSEAWAVS Program Closure Workshop, Division of Hydraulics and Environmental Engineering, School of Civil Engineering, AUTh, KE.D.E.A. Building, AUTh Research Committee, Thessaloniki, Greece, 15 November 2015.

3) 1st Scientific Weekend at TABYA, TABYA multi-cultural space, 19-20 December 2015, Thessaloniki, Greece.

4) 2-day Workshop and Seminar: 2nd Transboundary Thematic Meeting of TIMMOD Project (ENI-CBC Black Sea Basin 2019), 19-20 April 2021, Thessaloniki, Greece.

5) 2nd International Scientific Conference on Design and Management of Port Coastal and Offshore Works (DMPCO-2023), KEDEA AUTh, Thessaloniki, 23-27 May 2023.

6) LocAll4Flood Training Workshop – Session 1, Hotel ONOMA, Thessaloniki, 14 March 2025.

7) LocAll4Flood Training Workshop – Session 2, Hotel ONOMA, Thessaloniki, 30 June 2025.

Scientific Committee

8) 1st International Scientific Conference on Design and Management of Port Coastal and Offshore Works (DMPCO-2019), Eugenides Foundation, Athens, 8-11 May 2019.

9) 2nd International Scientific Conference on Design and Management of Port Coastal and Offshore Works (DMPCO-2023), KEDEA AUTh, Thessaloniki, 23-27 May 2023.

10) 3rd International Scientific Conference on Design and Management of Port Coastal and Offshore Works (DMPCO-2025), Patra, 07-09 May 2025.

11) 16th Panhellenic Conference of the Hellenic Hydrotechnical Association (E.Y.E.), Civil Engineering Department, Kimmeria, Xanthi, Greece, 29-30 May 2025. https://hhaconference.agro.auth.gr/

CHAIRMAN-COORDINATOR OF SESSIONS IN CONFERENCES & WORKSHOPS

1) 1st International Scientific Conference on Design and Management of Port Coastal and Offshore Works (DMPCO), Athens, Greece, 8-11 May 2019. Chairman in Session 3: Input Data For Coastal Studies.

Links denoted with blue color in pdf version

2) 2nd International Scientific Conference on Design and Management of Port Coastal and Offshore Works (DMPCO-2023), KEDEA AUTh, Thessaloniki, 23-27 May 2023. Chairman in Session 12: Ports & Port Engineering II.

3) 34th International Ocean and Polar Engineering Conference (ISOPE), 16-21 June 2024, Rhodes, Greece. Chairman in Session 36: COASTAL IV: AI, Big Data, Remote Sensing.

4) 3rd International Scientific Conference on Design and Management of Port Coastal and Offshore Works (DMPCO-2025), Patra, Greece, 07-09 May 2025. SESSION 5. SEDIMARE Advanced Hydro-Morphodynamics.

5) 16th Panhellenic Conference of the Hellenic Hydrotechnical Association (E.Y.E.), Civil Engineering Department, Kimmeria, Xanthi, Greece, 29-30 May 2025. SESSION B5 Marine Hydraulics, Marine Environment and Coastal Port Projects [2].

PRIZES – AWARDS – DISTINCTIONS – SCHOLARSHIPS

2007   Thomaideio prize of distinction for a peer-reviewed conference paper authorship and presentation by M.Sc. students of NTUA

2016-'17 IKY-SIEMENS excellence scholarship for post-doctoral research in Greece by the State Scholarships Foundation (SSF/IKY)

ANALYTIC MEMO OF PROFESSIONAL EXPERIENCE ON RESEARCH PROJECTS (18)

1) 2006   Research Assistant NTUA; Saraya Aqaba Lagoon Project: *Wave Penetration and Hydrodynamics Modeling in a Coastal Lagoon near Aqaba (2006)*, Program: NTUA subcontracted by LACECO Ltd., Contract duration: 01/08/2006–30/11/2006, Div. of Water Resources, Hydraulic and Maritime Works (DWRHMW), School of Civil Engineering, NTUA, Athens, Greece.

Tasks: a) high resolution numerical simulations with Boussinesq-type, parabolic mild-slope equations and 3rd generation nearshore spectral wave models from the MIKE21 software suite for the wave penetration in an artificial lagoon; b) preliminary investigation of the attributes and design of submerged breakwaters and low-crested sub-aerial structures based on numerical modeling of wave-structure interaction; c) record and use of state-of-the-art design formulae for wave transmission over and around low-crested structures and submerged breakwaters; d) implementation of the best fit formulae; e) validation of numerical modeling approaches against experimentally produced formulae; f) authorship of conference papers and technical reports; g) oral presentations in conferences.

2) 2008   Research Assistant AUTh; Project: *Reformation of Under–graduate Studies Program of the AUTh Dept. of Civil Engineering* (2008), Education and Initial Professional Constitution Operational Program II (EIPCOP II – ΕΠΕΑΕΚ II), Activity 2.2.2.: Integration of Investigation and Reformation of AUTh Studies Program, Action Category 2.2.2.a: Reformation of Under–graduate Studies Program, Contract duration: 01/01/2008–30/06/2008, LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece.

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Tasks: a) design of educational software based on state-of-the-art analytical relations and approaches on various problems of Coastal Engineering and Oceanography: regular and irregular wave characteristics, monochromatic and irregular wave breaking, solitary waves, spectral wave forecasting, seiches inside water basins, porous bottom frictional wave damping, depth of closure, longshore sediment transport, shoreline evolution along groins, storm surge (wind setup), wastewater diffuser/outfall near- and far-field dilution, diffuser parts design (diameters and Darcy coefficient for risers), analytic approximations for linear wave length; b) conference paper and technical reports authorship; c) oral presentations in conferences; d) invited lectures in graduate/post-graduate courses.

3) 2008   Research Assistant AUTh, *Prevention and management of sea originated risks to the coastal zone (CORI). Extreme sea level variability for Eastern Mediterranean* (2006-2008), Πρόγραμμα: INTERREG III-B – ARCHIMED (Measure 3.3), Contract duration: 04/11/2008 – 30/01/2008, LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece.
Task: post-processing of numerical modelling output.

4) 2010   Research Assistant AUTh, Project: *Investigation of the coupling between the Aegean and Black Seas though the Turkish Strait System (SESAME)* (2007-2010), IP-036949, Program: Research DG, Commission of European Communities, Contract duration: 02/12/2010-31/01/2011, LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece.
Task: post-processing of numerical modelling output.

5) 2012-'15   Research Associate AUTh; Project: *Estimating the effects of Climate Change on SEA level and WAve climate of the Greek seas, coastal Vulnerability and Safety of coastal and marine structures (CCSEAWAVS)* (2012-2015), THALES Research Program – Reinforcement of the interdisciplinary and/or inter-institutional research and innovation with the possibility of attracting high standard researchers from abroad through the implementation of basic and applied excellence research, Contract duration: 01/10/2012–28/02/2013, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece.
Tasks: a) numerical modelling (climatic simulations) of storm surges with AUTh's MeCSSM/GreCSSM numerical models based on Fortran codes; b) tide-gauge sea level measurements post-processing with filters and signal-processing techniques for their use as model validation data; c) validation of storm surge numerical models against field data; d) review and analysis of state-of-the-art literature on storm surge models and climate change; e) result production (maps, graphs, trends, evolution, statistical indices) of inter- and intra-annual storm surge maxima; f) authorship of journal articles, conference papers, and technical reports; f) oral presentations in conferences.

6) 2013-'15   Research Associate AUTh, Project: *Pilot System for the Development and Broadcast of Wave and Maritime Circulation Daily Forecast in the Thermaikos Gulf (Greece), for Public Use and Extreme Conditions (WaveForUs)* (2013-2015), COOPERATION 2011 Research Program – Partnerships of Production and Research Institutions in Focused Research and Technology Sectors, Contract

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duration: 20/03/2013-31/10/2015, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece.

Tasks: a) numerical modelling (operational forecast simulations) of storm surges with AUTh's storm surge, wave-induced set-up and astronomical tides models based on Fortran codes; b) tide-gauge sea level measurements post-processing with filters and signal-processing techniques for their use as model validation data; c) validation of storm tide numerical models against field data; d) review and analysis of state-of-the-art literature on operational forecast models and platforms concerning wave, storm surge and hydrodynamic circulation models; e) result production (maps, graphs, alert signals) of sea level; f) authorship of conference papers and technical reports; g) oral presentations in conferences.

7) 2015   Research Associate AUTh/NTUA; Project: *Hellenic Academic E-books and Accessories* (2014-2015), KALLIPOS Research Project, HEAL-Link, Education and Lifelong Learning Program, National Network of research and Technology, Contract duration: 05/05/2015-30/09/2015, NTUA, Athens, Greece.

Tasks: a) co-authorship of state-of-the-art textbook on Coastal Engineering and Oceanography and Maritime Environmental Engineering, i.e. general description of the coastal zone, sea level variations, tides, storm surges, tsunami, steric effects, climate change impacts on the sea level, coastal flooding, inundation risk assessment and vulnerability indexes, design of submarine outfalls, diffusers, effluent dilution calculations; b) design of interactive coastal/ocean engineering software and calculation tools for graduate students; c) authorship of practical examples, evaluation criteria and exercises.

8) 2016-'17   Post-doctoral Research Fellow AUTh, Project: *Investigation of the impacts of intense storm surge events on the coastal zones of the Mediterranean Sea*, IKY-SIEMENS program of excellence scholarships for post-doctoral research in Greece by the State Scholarships Foundation (SSF/IKY) academic year 2016-17, Fellowship duration: 15/09/2016-15/07/2017.

Tasks: a) numerical modelling (climatic and operational forecast simulations) of storm surges, wave-induced set-up, surf beat, wave run-up, and astronomical tides with numerical models based on Fortran and VBA codes; b) tide-gauge sea level measurements post-processing with filters and signal-processing techniques for their use as model validation data; c) validation of storm surge numerical models against field data; d) review and analysis of state-of-the-art literature on storm surge models, climate change, wave-induced sea level on the shoreline, and extreme value analysis; e) result production (maps, graphs, trends, evolution, statistical indices) of inter- and intra-annual storm surge maxima, extremes of storm surges, wave characteristics, total sea level on the coast, and coastal flooding; f) authorship of journal articles, conference papers, and technical reports.

9) 2017-'18   Research Associate AUTh; Project: *Monitoring of Water Quality in the Maritime Environment of the Thermaikos Gulf, Thessaloniki, Greece*, EYATh S.A., Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece.

Tasks: a) open-sea field measurements (via cruises) of physical parameters, chlorophyll-a, dissolved oxygen and pH with CTD instrument; b) post-processing and analysis of measured vertical

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distributions of conductivity, salinity, temperature, density, chlorophyll-a, dissolved oxygen and pH in the sea water column; c) authorship of journal article, conference paper, and technical report.

10) 2018-'20   Research Associate AUTh; Project: *Integrated Quantitative Assessment of Climate Change Impacts on Mediterranean Coastal Water Resources and Socio-Economic Vulnerability Mapping (MEDAQCLIM)* (2017-2019), ERANETMED Research Program – ERANETMED_WATER-13-112, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece.

Tasks: a) selection of climate scenarios and assessment of RCM projections (unified set of IPCC's climate change scenarios; b) performing statistical analysis on projections from RCM models gathered from databases published by national Euro-Mediterranean climate centres; c) estimating sea level changes from regional sea circulation numerical modelling; d) numerical modelling (climatic simulations) of meteorological residuals of the sea-surface dynamics (storm surges) with AUTh's MeCSSM numerical model based on Fortran codes; e) numerical modelling on estuarine hydrodynamics (providing salinity, temperature, current and sea level fields under climate and water consumption (by agriculture, hydropower energy) scenarios; f) tide-gauge sea level measurements post-processing with filters and signal-processing techniques for their use as model validation data; g) validation of storm surge numerical results against field data; h) result production (maps, graphs, trends, evolution, statistical indices) of inter- and intra-annual storm surge maxima; i) identification and quantitative estimation of coastal inundation; j) contributing in the design of an integrated coastal zone management (ICZM) system/approach; k) authorship of journal articles, conference papers, and technical reports; l) oral presentations in conferences.

11) 2018-'22   Research Associate AUTh; Project: *Decision Support Tool For Navigation Management In Ports (ACCU-WAVES)*; Research Program: Joint Action State Aid for Research, Technological Development & Innovation, Research – Create – Innovate, Competitiveness, Entrepreneurship and Innovation, ESPA 2014-2020; DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece.

Tasks: a) Evaluation, management and preparation of input data in numerical models, b) Transformation and adaptation of values and forms of atmospheric and marine parameters based on specific computational protocols for model cooperation and coupling, c) choice of port case studies and definition of bathymetric and geometric characteristics of ports and harbors, d) definition of boundary and initial conditions for the computational simulation grids and of geometries of solid and reflective boundaries, e) development of hydrodynamic models based on Fortran codes for the simulation of sea-states (wave propagation and hydrodynamic circulation), f) measurements of maritime processes and post-processing of *in situ* field observations: instrument set-up (wave buoys, tide and sea level gauges) in crucial positions inside and in the vicinity of ports together with use and processing of field data from Hydrographic Services and satellite data from AVISO+ and Copernicus databases, g) validation (parameterization, adjustment, calibration, evaluation) of hydrodynamic models, h) coupled implementation of numerical simulations, interconnection of Fortran codes in real-time situations for 50 ports worldwide, i) post-processing of results and design of graphs and maps, j) determination of control parameters, special technical issues of simulations, practical issues of navigation in ports, management of mooring sites and logistics of each port, k) development of

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automated forecast model/platform and time-programming for the operational function of sea-state forecasts.

12) 2020   Research Associate of kartECO Co., Project: *EBP & EAP for Block 10 – Kyparissiakos Gulf Lease Area*.

Tasks: Composition and writing of the technical report "Environmental Baseline Report (EBR) and Environmental Action Plan (EAP) for the Block 10 – Kyparissiakos Gulf Lease Area", Subchapters of the Environmental Baseline Study (EBS) concerning seabed morphology and bathymetry, geological and tectonic characteristics and marine hydrography and oceanography with translation of the Deliverables into English, at the request of kartECO – Environmental and Energy Consulting Engineers, Thessaloniki.

13) 2020-'22 Research Associate AUTh; Project: *Promoting Technology Innovation in Monitoring & Modelling for Assessment of Fish Stock and Non-Fishing Resources (TIMMOD)*, Program: ENI CBC Black Sea Basin 2014-2020.

Tasks: a) Promotion of best practices and analysis of innovative technologies and methods of monitoring environmental parameters for the assessment of fishing and non-fishing resources in the Black Sea; b) Development of three-dimensional hydrodynamic circulation simulations. Forecast of marine conditions. Application of advanced numerical tools within ecological modeling; c) Study of cross-border coordination mechanisms; d) Development of innovation strategy plan for the technological upgrade of environmental monitoring and modeling; e) Participation in local workshops and workshops with monitoring and decision-making bodies. Communication and dissemination activities; f) Writing deliverables and articles in scientific journals and conference proceedings. Presentations at meetings and scientific conferences.

14) 2020   Research Associate of Scientia Maris co.; Project: *COAST-UP*; Research Program: Joint Action State Aid for Research, Technological Development & Innovation, Research – Create – Innovate, Competitiveness, Entrepreneurship, and Innovation, ESPA 2014-2020.

Tasks: a) Upgrade, evaluation, and validation of Maris-BSQ model, b) collection of experimental data from international literature, c) creation of grid domains of experimental setups, d) setup of boundary conditions and wave scenarios for numerical modelling, e) setup of conditions for wave runup.

15) 2021-'23 Research Associate AUTh; Project: *Mapping of pressures and estimation of external and internal loads of nutrients and organic material for the protection and management of the marine waters in Thermaikos Gulf (Thermaikos-MAPATG).* Program: Support to the Management Authority of the Protected Areas of Thermaikos Gulf for the implementation of interventions for the management, protection and promotion of the natural environment and biodiversity within its area of responsibility.

Tasks: a) field measurements and sampling in the open sea (via sailing campaigns) and in rivers/estuaries for physicochemical parameters, chlorophyll-a, dissolved oxygen and pH with CTD instruments, b) open-sea *in situ* measurements (via sailing campaigns) for hydrodynamic circulation (coastal currents) with ADCP instruments, c) post-processing and analysis of measured vertical distributions of conductivity, salinity, temperature, density, chlorophyll-a, dissolved oxygen and pH, d)

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authoring deliverables, technical reports, and articles for journals and conferences, e) 3-D numerical model implementation of hydrodynamic circulation in the Thermaikos Gulf, f) participation in local workshops, dissemination and results' diffusion activities.

16) 2023 Research Associate AUTh, Project: *2nd International Conference on Design and Management of Port, Coastal and Offshore Works (DMPCO 2023)*.

Tasks: Scientific processing of conference proceedings. Formatting of proceedings issue.

17) 2024-'26 Research Associate AUTh; Project: *Flash flood risk prevention & resilience in Mediterranean area through an Integrated Multistakeholder Governance Model, gathering prevention, adaptation, and mitigation solutions (LocAll4Flood)*, led by Balmes University Foundation. Program: INTERREG Euro-MED, Call: 2nd Call for Proposals Thematic Projects.

Tasks: a) Prevention activities: Develop and Adapt reliable and specific forecasting tools and early warning systems at catchment scale, b) Adaptation activities: Define the components of an integrated governance model & assess the social awareness and risk perception revolving around flash flood events, c) Mitigation activities: Adapt, finetune and categorize existing Nature Based Solutions (NBS) tool box to mitigate the negative effects of flash flood events, d) 1.5 Boxing the prevention, adaptation & mitigation solutions into the LOCALL4FLOOD integrated multistakeholder governance model IMGM - Training Program, e) Pilots setup & description, f) Prevention activities: Test forecasting tools & early warning systems, g) Adaptation activities: Implement participatory actions to raise the social awareness and improve the response capacity to flash flood events, h) Mitigation activities: Lay the foundations for implementation of mitigating NBS through a participatory-based approach, i) Monitoring activities: Assess the efficiency of the LocAll4Flood IMGM to reduce flash flood risks also through citizen science activities, j) Multi-stakeholders engagement, k) Communication & Dissemination: online communication tools

18) 2025 Principal Investigator DUTh; Project: *Study to improve the assessment of risks due to fluctuations in sea level in the Mediterranean Sea within the framework of the MedSeaRise project*, assigned by ANATOLIKI S.A. Program: INTERREG Euro-MED, Call: 2nd Call for Proposals Thematic Projects.

Tasks: for the study area - coastal zone of the Municipality of Kalamaria, a) application of models and scenarios for the assessment of coastal flood hazard and exposure in the study area, b) application of the methodology, produced by the MedSeaRise project, for the assessment of the risk of different sea level rise scenarios to anthropogenic activities in the study area, c) preparation of the study of the coastal flood risk assessment results.

Professional Experience in Research Projects

Total			
	Number of Research Projects:	**18**	
	Number of Years:	**20**	**2006-2025**
	Sum of employment months by contract:	**207**	**man-months**
	Sum of employment respective years:	**17.25**	**man-years**

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Post-Doctoral	Number of Research Projects:	**13**	
	Number of Years:	**11**	**2015-2025**
	Sum of employment months by contract:	**174**	**man-months**
	Sum of employment respective years:	**14.50**	**man-years**

FURTHER EXPERIENCE ON SUBMISSION OF RESEARCH PROPOSALS

2015   Program: **HORIZON 2020 – DRS 2015**; Project: **SIRoCCo** - Societal Resilient Management of Flood Risk along the EU Coastline under Climate Change.

2016   Program: **INTERREG Balkan-Med 2016** – Cooperation between Greece, Bulgaria and Cyprus; Project: **FACTS** - Future Adaptation to Climate change in Touristic Shores: integrated management strategies against erosion due to waves and storm surges.

Program: Education and Lifelong Learning **EDBM**, Project: **EDBM20** Academic Teaching Experience for Young Scientists and Doctors (2016-2017).

2017   Program: Education and Lifelong Learning **EDBM34** Research support with emphasis on young researchers, Project: **CCFLOOD-MedBlack** Investigation of the effects of historical climate changes on coastal flooding due to wave and meteorological tides in the coupled Mediterranean – Black Sea system.

Program: **ELIDEK** Projects for the Enhancement of Post-Doctoral Research, Project: **UPRIPORT-CC** Upgrading port and harbour structures in a changing climate under a nonstationary risk-based framework.

Program: **ELIDEK** Projects for the Enhancement of Post-Doctoral Research, Project: **BEACHPROTECT** Monitoring and projection of the wave dissipation and beach response due to hard coastal defences and seagrass meadows.

Program: Joint Action State Aid for Research, Technological Development & Innovation, **Research – Create – Innovate**, Competitiveness, Entrepreneurship and Innovation, ESPA 2014-2020, Project: **DeSTACCI** Decision Support Tool for Adaptation Measures of Sewer Networks in Coastal Cities to Climate Change Impacts.

2018   Program: **ELIDEK** Projects for the Enhancement of Academic Research, Project: **CORALMED** Computational Tool for Coastal Flooding in the Mediterranean Sea, Project: **RUPS** Risk-based Upgrading for Harbor Protection Structures due to Climate Change.

2019   Program: Education and Lifelong Learning **EDBM34** Research support with emphasis on young researchers, Project: Advanced high-resolution mathematical model for simulating coastal flooding due to storm surges in the Mediterranean Sea under climate change conditions.

Program: Joint Action State Aid for Research, Technological Development & Innovation, **Research – Create – Innovate**, Competitiveness, Entrepreneurship and Innovation, ESPA 2014-2020, Project: **KAVEIROS** Observatory of water resources quality using terrestrial, marine and aerial observations for tourism development, environmental protection and health of coastal cities' inhabitants.

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Program: Cooperation of **EYATh – AUTh**, Project: Optimization of Thermaic Gulf quality monitoring system - Thermaic Gulf water quality map.

2020   Program: **HORIZON 2020**, Call name: Information and Communication Technologies, Call ID: H2020-ICT-2018-20, Advancing photonics technologies and application driven photonics components and the innovation ecosystem, ID: ICT-37-2020; Project: **PHONIO** Community-driven sensing on environmental risks through photonics.

Program: **ELIDEK** Clusters of Research, Innovation and Diffusion, Project: **SeaFlood-Alert** Innovative I/T Application for Public Early Warning in case of Coastal Flooding.

Program: **ELIDEK** Support of Faculty Members, Project: **PhyCoTherm** Physical Connectivity Processes in Thermaikos Gulf.

2021   Program: **European Research Council (ERC) Consolidator Grant**, Call name: **ERC CG 2021**; Project: **MicroMARE** Tracking the fate of Microplastics in the MARine Environment, led by Dr. Y. Androulidakis (AUTh).

2022   Program: **The Research Promotion Foundation Programmes for Research, Technological Development and Innovation "RESTART 2016 – 2020"**, Call name: **CO-DEVELOP**; Project: **Amphitrite** A Digital Twin for the Cyprus region marine ecosystem.

Program: **ELIDEK** Greece 2.0 Basic Research Financing Action (Horizontal support of all Sciences), Call: **Sub-action II Funding Projects in Leading-Edge Sectors**; Project: **MAREGEN** Detection and Recovery of Marine Plastic Litter in Coastal Zones for Regeneration, Photocatalytic Enrichment and Reuse in the Marine Environment, led by Dr. G. Kenanakis (FORTH).

2023   Program: **Black Sea Cross-Border Cooperation (BSB CBC)**, Call name: **INTERREG NEXT BSB 2021-2027**; Project: **TIMMOD-NEXT** Enhancing innovation capacities and uptake of advanced technologies towards sustainable fisheries and eco-friendly aquaculture in Black Sea. Project: **NATURE-BS** Promoting Large-scale Nature-based Solutions for reducing climate driven risks and improving environment in Black Sea coastal zone.

Program: **HORIZON EUROPE HORIZON-IA**, Call: **HORIZON-MISS-2023-OCEAN-SOIL-01**; Project: **MEDUSSA** Addressing nutrient pollution in the MEDiterranean Basin: demonstration of Upstream and downstream solutions for prevention and remediation in Soil, river areas and SeA.

2024   Program: **HORIZON EUROPE HORIZON-RIA**, Call: **HORIZON-INFRA-2024-TECH-01**; Project: **Twin-Up** Ocean-led AI-enabled communities to enrich DestinE.

Program: **INTERREG Euro-MED**; Project: **SAFER-Med** Solutions Against Flooding and Erosion for Resilient Mediterranean coasts in the future.

Program: **RESEARCH – INNOVATE**; Projects: a) **ORPHEUS** Innovative mOnitoring system to impRove early warning for coastal floods based on real-time measurements of tectonic and geoPHysical hazards via the Existing telecommUnications network and advanced forecaSting models. b) **SeaCycle** Removal of marine plastic litter from the coastal zone for regeneration and re-use in the marine environment.

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2025   Program: **PRIMA**; Project: **CLEARrigate** Clear and reusable irrigation water based on photocatalytic agents & fertigation optimisation.

PROFESSIONAL EXPERIENCE ON ACADEMIC TEACHING & TUTORING

2007-'13 Teaching Assistant in Academic Courses Program: Participation in the Program of Tutoring and Teaching Assistance of AUTh's Civil Engineering Dept. for (i) 7th semester's main course 'Coastal and Port Engineering' and (ii) 9th semester's optional specialty course 'Coastal Protection Works'
Tasks: a) formulation and supervising assistance of semester projects, exercises, essays, and educational software; b) lecturing assistance by oral presentations.

2009-'20 Diploma Theses Supervising Assistant:

1) Preari, M.G. (2009). *Investigation of Thermal Pollution in Coastal Waters: The Case of Aliveri Bay, (Evoia, Greece)*, LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece. (*in Greek*)

2) Oikonomidis, K. (2009). *Coastal Protection Embankments & Revetments*, LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece. (*in Greek*)

3) Betziou, M. and Belba, K. (2009). *Wave Climate Estimation and Measurements – Application in the Strymonas River Estuary (Greece)*, LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece. (*in Greek*)

4) Alavantas, N. (2011). *Wave Attenuation of Fishing Shelters: The Case of Makri Harbor (Alexandroupolis, Thrace, Greece)*, LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece. (*in Greek*)

5) Vrachas, P. (2011). *Investigation of Wave Run-up and Consequent Erosion of a Vertical Coastal Slope in the coastal area of N. Michaniona (Thessaloniki, Greece)*, LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece. (*in Greek*)

6) Charisi, A. (2013). *Investigation of Storm Surges in the Aegean Sea*, LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece. (*in Greek*)

7) Diamanti, N. (2014). *Storm Surges in the Greek Seas under Climate Change*, LMEMW, DHEE, Post-graduate Program of Studies on Environmental Protection and Sustainable Growth, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece. (*in Greek*)

8) Sotiriadis, Y. (2020). *Study of Intense Storm Surges in the Mediterranean Coastal Zone for the 1979-2015 period*. LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece. (*in Greek*)

2012   Research Assistant AUTh, Project: *Enhancement of research, education and cultural activities of Civil Engineering Dept. in AUTh (2012)*, Education and Initial Professional Constitution Operational Program II (EIPCOP II – ΕΠΕΑΕΚ II), Contract duration: 01/10/2012-31/10/2012, LMEMW, DHEE, Dept. of Civil Engineering, Faculty of Engineering, AUTh, Thessaloniki, Greece.
Task: teaching assistance in academic courses.

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2018	University Fellow Scholar in the framework of the Program "Development of Human Resources, Education and Lifelong Learning" and Project "Acquisition of academic teaching experience in new PhD scientists" (EDBM 45) for AUTh Civil Engineering Dept.'s 8th semester's optional specialty course "Mathematical Modeling of Water Quality in Aquatic Ecosystems". Tasks: a) lecturing by weekly oral presentations; b) formulation of student notes, semester project themes, educational software, and exercises; c) weekly supervising of essays and projects and tutoring students.

2023	University Fellow Scholar in the framework of the Program "Development of Human Resources, Education and Lifelong Learning" and Project "Acquisition of academic teaching experience in new PhD scientists" (EDBM 191) for AUTh Civil Engineering Dept.'s 8th semester's optional specialty courses "Numerical Modelling for Hydraulic Engineering" and "Hydraulics of Groundwater Flows". Tasks: a) lecturing by weekly oral presentations; b) formulation of student notes, semester project themes, educational software, and exercises; c) weekly supervising of essays and projects, and tutoring students.

2024	Assistant Professor of the DCE at DUTh: teaching the 4th semester's main course "Fluid Mechanics" and the 9th semester's optional specialty courses "Computational Fluid Mechanics" and "River Hydraulics and Engineering". Teaching post-graduate courses "Numerical Methods in Fluid Mechanics", "Computational Simulation of Marine and Coastal Environmental Processes in Catchment-Beach Systems", "Residual Flows and Coastal Flooding: Concepts of Hazard, Risk, Vulnerability and Resilience". Tasks: a) lecturing by weekly oral presentations; b) formulation of student notes, semester project themes, educational software, and exercises; c) weekly supervising of essays and projects, and tutoring students.

Professional Experience in Academic Teaching

Number of years teaching as a faculty member		**1**	**year**
Number of courses taught as a faculty member		**6**	**courses**
Number of Academic Teaching Activities		**4**	**projects**
By Contract Duration	Total years of teaching experience:	**11**	**years**
			2007-2013, 2018, 2023-2025
	Total months of teaching experience:	**66.75**	**man-months**
	Total years of teaching experience:	**5.5**	**man-years**
By Semesters	Total semesters of teaching experience:	**15**	**semesters**
	Total academic years of teaching experience:	**7.5**	**years**
Full-course teaching	Total courses taught:	**6**	**courses**
	Total semesters of full-course teaching:	**4**	**semesters**
	Total academic years of full-course teaching:	**2**	**years**
	Total months of full-course teaching:	**27.5**	**man-months**

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Total years of full-course teaching: **2.30   man-years**

PROFESSIONAL EXPERIENCE ON CONSULTANCY & TECHNICAL STUDIES/REPORTS

Public Civil Works

1a) **Makris**, C.V. (**2010a**). *Forecasting and Analysis of the Wave Field and the Hydrodynamic Characteristics in the Submarine Sewage Outfall Region concerning the Water Treatment Plant of Skyros Island (Aegean Sea, Greece)*, in account of EVERGOS Ltd., Xanthi, Greece. (*in Greek*)

1b) **Makris**, C.V. (**2010b**). *Sanitary Inspection of Polluting and Bacteriological Loads Dilution in the Submarine Sewage Outfall Region concerning the Water Treatment Plant of Skyros Island (Aegean Sea, Greece)*, in account of EVERGOS Ltd., Xanthi, Greece. (*in Greek*)

2) **Makris**, C.V. (**2012**). *Coastal and Harbor Works Investigation for the Study of Environmental Enhancement, Protection and Construction of Accommodation Infrastructure, in the Area of ETAD Property at the Caiaphas Lake Hot Springs*, as part of Methodology and Technical Report, in account of HYDROMENT Engineering Consultants, Athens, Greece. (*in Greek*)

3) **Makris**, C.V. (**2020**). *Environmental Baseline Report (EBR) and Environmental Action Plan (EAP) for the Block 10 – Kyparissiakos Gulf Lease Area*, Subsections of EBR referring to the morphology of the coastal zone and bathymetry, geological and tectonic features, and marine hydrography and oceanography, in the account of KartECO Consultants Environmental Engineers.

4) **Makris**, C.V. (**2020**). *Scenarios of Model Runs for a Coastal Study in ELLINIKO area (Attica, Greece), Extreme Cases and Design Values for Waves, MSL, Storm Surge, Tides.* In the account of Scientia Maris Co.

Private Civil Works

5) Various technical reports for Legislative Technical Rearrangement concerning Inhabitable Spaces based on the Greek Law N.3843/2010. (*in Greek*)

RESEARCH INTERESTS

- Coastal Engineering, Dynamics, and Modelling
- Ocean Engineering, Dynamics, and Modelling
- Physical Oceanography
- Operational Oceanography
- Maritime Hydrodynamics
- Water Wave Dynamics
- Wave Breaking
- Surf Zone Dynamics
- Storm Surges
- Climate Change

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- Coastal Flooding

- Coherent Turbulent Structures

- Numerical Modelling

- Computational Fluid Dynamics (CFD)

- Smoothed Particle Hydrodynamics (SPH)

- Large Eddy Simulation (LES)

- Hydrodynamic Modelling and Simulations

- Modeling of Water Waves, Turbulence, and Storm Surges

- Oceanographic Forecast Systems Development

- Sea Level (Tide-gauge) Measurements Processing

- Oceanographic Measurements (with CTD)

- Port Engineering and Design of Harbor Works

- Environmental Engineering

- Design of Coastal Zone Protection Works

- Mild–type Protection Methods for the Coastal Zone

- Design of Submerged Breakwaters

- Sanitary Inspection of Coastal Areas

- Sea Water Quality Modelling

- Sea Water Monitoring

- Design of Sewage Discharge Systems in the Maritime Environment

- Design of Submarine Outfall Pipelines and Diffuser Systems

- Academic Software Development for Engineers and Scientists

USEFUL LINKS

Webpage at DUTh	https://civil.duth.gr/author/cmakris/
Webpage at AUTh	https://people.auth.gr/cmakris/
Curriculum Vitae	https://utopia.duth.gr/cmakris/CV/
LinkedIn	https://www.linkedin.com/in/christos-makris-04596120
Google Scholar	https://scholar.google.gr/citations?user=3aJseoYAAAAJ
ResearchGate	https://www.researchgate.net/profile/Christos_Makris4
Academia.edu	https://auth.academia.edu/MakrisChristos
ORCiD	http://orcid.org/0000-0001-6438-2659
Web of Science	https://www.webofscience.com/wos/author/record/Q-9574-2016
Scopus	https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=27167653200
Research Group	http://coastal.web.auth.gr/index.htm

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