

Dr. SKOULIKARIS CHARALAMPOS
Curriculum Vitae

PhD, Dept. of CIVIL ENGINEERING, Aristotle
University of Thessaloniki-AUTH, Greece &
ECOLE DES MINES DE PARIS – PARIS TECH France

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1. General Information

Dr. Skoulikaris Charalampos (Haris) was born in Athens, Greece, in 1978. He obtained a Diploma and a Master's Diploma from the Department of Electrical and Computer Engineering of the Democritus University of Thrace (DUTH), Greece, in 2002 and 2004 respectively. He was awarded the title of Doctor in 2008 by the Department of Civil Engineering of the Aristotle University of Thessaloniki (AUTH) and the Département de Sciences de la Terre et de l'Environnement of École des Mines de Paris – ParisTech. Currently, Dr. Skoulikaris Charalampos has been elected **Assistant Professor** in the field of Engineering Hydrology for Planning and Management of Hydraulic Projects in the Department of Civil Engineering at AUTH.

He has participated as principal researcher in twenty seven (27) national and European research projects. Since the academic year 2016–2017, he has served as an adjunct lecturer in the Departments of Civil Engineering at AUTH, DUTH, and the International Hellenic University (IHU). Dr. Skoulikaris has also supervised more than 16 Masters' theses, while his research output includes over 120 publications in scientific journals, book chapters, and international conference proceedings.

Since September 2007, he has served as General Secretary of the **UNESCO Chair and Network/INWEB** (International Network of Water/Environment Centres for the Balkans), hosted by AUTH. His main research and teaching interests include sustainable and integrated management of water resources at the river basin scale, hydroinformatics, engineering hydrology and hydrological modelling, simulation of hydroelectric projects, assessment of climate change impacts and their integration into water resources management, transboundary hydrosystems management, estimation of environmental costs and socio-economic impacts of large-scale river basin projects, and the application of geographic information systems (GIS) in environmental management.

Since 2015, he has been providing consultancy services to UNESCO's Intergovernmental Hydrological Programme (IHP) in Paris on issues related to my aforementioned research interests. From September 2015 to June 2019, he served as a Technical Consultant to the Special Secretariat for Water of the Hellenic Ministry of Environment and Energy, focusing on hydroinformatics, transboundary water systems management, and the impacts of climate change on water resources. His most recent professional activity involves the coordination of the working group responsible for simulation of the hydrosystem of Central Macedonia within the framework of "2nd Revision of the River Basin Management Plan (RBMP) of the Water District of Central Macedonia (EL10), WFD".

2. Personal Information

<i>Surname / First name</i>	SKOULIKARIS Charalampos
<i>Address</i>	Division of Hydraulics & Environmental Engineering, School of Civil Engineering, Aristotle University of Thessaloniki, Thessaloniki, Greece. Postcode GR 54124
<i>Telephone</i>	Mob. +30 6973217172 Office +30 2310995666
<i>E-mail</i>	hskoulik@civil.auth.gr, harris.skoulikaris@gmail.com
<i>Nationality</i>	Greek
<i>Date of birth</i>	19/04/1978

3. Education

<i>Dates</i>	09/2005 – 11/2008	
<i>Title of qualification awarded</i>	Ph.D Diploma	
<i>University / Institution</i>	Joint Ph.D diploma between the:	
	Aristotle University of Thessaloniki, Greece, Department of Civil Engineering, Division of Hydraulics and Environmental Engineering	Ecole des Mines de Paris - Paris Tech, France, Département de Sciences de la Terre et de l'Environnement, Division d'Hydrologie et Hydrogéologie Quantitatives
<i>Ph.D title</i>	<p>MATHEMATICAL MODELLING APPLIED TO THE SUSTAINABLE MANAGEMENT OF WATER RESOURCES PROJECTS AT A RIVER BASIN SCALE. THE CASE OF THE MESTA/NESTOS.</p> <p>MODELISATION APPLIQUEE A LA GESTION DURABLE DES PROJETS DE RESSOURCES EN EAU A L'ECHELLE D'UN BASIN HYDROGRAPHIQUE. LE CAS DU MESTA/NESTOS.</p>	
<i>Dates</i>	10/2002 - 11/2004	
<i>Title of qualification awarded</i>	Master Diploma	
<i>University / Institution</i>	Democritus University of Thrace Polytechnic School of Xanthi Department of Electrical and Computer Engineering	
<i>M.Sc title</i>	WATER RESOURCES GEOGRAPHIC INFORMATION MANAGEMENT ON THE INTERNET. DATA STRUCTURES AND BROADCASTING METHODOLOGY.	
<i>Dates</i>	10/1997 - 09/2002	
<i>Title of qualification awarded</i>	Diploma of Electrical & Computer Engineer (equivalent to combined BSc & MSc)	
<i>University / Institution</i>	Democritus University of Thrace Polytechnic School of Xanthi Department of Electrical and Computer Engineering	
<i>Diploma title</i>	MANAGEMENT OF GEOGRAPHIC INFORMATION SYSTEMS (GIS).	

4. Scholarships

1. Years 2020 – 2021: Scholarship within the Framework of Human Resources Development, Education and Lifelong Learning for post-doctoral research on: "Optimization of hydrological simulation at basin scale under climate conditions with the use of spatial and spatio-temporal methods".
2. Years 2008 – 2009: Scholarship of John S. Latsis Public Benefit Foundation for post-doctoral research on: "Environmental Protection and Sustainable Use of Water in the Nestos Delta region: Nitrates Pollution and Coastal Erosion Issues".

5. Teaching Experience

5.1 Assistant Professor at the Aristotle University of Thessaloniki, Greece:

Dates 24/3/2025 (election date)– currently

Course/Semester **Engineering Hydrology** / Spring

Department Civil Engineering

5.2 Adjunct Lecturer at the International Hellenic University, Greece:

Dates 2/10/2023 – 28/2/2024

1/10/2022 – 30/9/2023

Course/Semester **Open channel hydraulics** / Winter

Engineering Hydrology / Spring

Department Civil Engineering

5.3 Adjunct Lecturer at the International Hellenic University, Greece:

Dates 1/03/2024 – 28/6/2024

1/10/2022 – 30/9/2023

Course/Semester **Engineering Hydrology** / Winter

Hydraulics-Irrigation networks / Spring

Department Surveying and Geoinformatics Engineering

5.4 Adjunct Lecturer at the Democritus University of Thrace:

Dates 1/10/2018 – 30/9/2019,

2/10/2017 – 30/9/2018

3/10/2016 – 30/9/2017

Course/Semester **Hydro turbines and energy** / Winter

Department Civil Engineering

5.5 Adjunct Lecturer at the Aristotle University of Thessaloniki, Greece:

Dates 13/02/2017 – 30/9/2017

Course/Semester **Mathematical modelling for the quality of water environment**

Department Civil Engineering

5.6 Associate Educational Staff at the Hellenic Open University, Greece, for the supervision of Master Diploma Thesis.

Dates 1/10/2024 – 31/07/2025

1/10/2023 – 31/07/2024

22/12/2021 – 31/07/2022

1/10/2020 – 31/07/2021

1/10/2019 – 31/07/2020

1/10/2017 – 31/07/2018

1/10/2016 – 31/07/2017

Department MSc on Environmental Design of Infrastructure Works, School of Science and Technology, Hellenic Open University

5.7 Intensive courses under the EU Erasmus + Programme - Capacity building in higher education (Call EAC/A04/2014) under the accepted programme: Regional PhD School based on Innovative HydroPlatform in Water and Environment to Enhance MAGhreb Inter-Research Centres. Application Ref. Num. 561750-EPP-1-2015-1-MA-EPPKA2-CBHE-JP (Accepted for the period 2016 to 2018).

5.8 Intensive courses under the EU Erasmus + Programme - Capacity building in higher education (Call EAC/A04/2014) under the accepted programme: Trans-Regional Environmental Awareness for Sustainable Usage of Water Resources (TREASURE-WATER). Application Ref. Num. 561775-EPP-1-2015-1-DE-EPPKA2-CBHE-JP (Accepted for the period 2016 to 2018).

5.9 Intensive courses under the EU Programme: Tempus project EU 511095: Water Related Advanced Training and Education for Regional Needs in Mahgreb (WATER).

5.10 Laboratory assistant at the Department of Fisheries & Aquaculture Technology was established by Alexander Technological Educational Institute of Thessaloniki (A.T.E.I.Th), Greece.

6. Participation in scientific committees

6.1 Member of Scientific Committees

- Member of the Scientific Committee of the 13th International Conference on Fluvial Hydraulics, RIVER FLOW 2026, Thessaloniki, Greece, 30 June -4 July 2026.
- XIth Scientific Assembly of the International Association of Hydrological Sciences (IAHS 2022), Montpellier (France) 29 May to 3 June 2022:
 1. Co-convener of session S21: Hydrology of Mediterranean and semi-arid regions.
 2. Co-convener of session S4: Water resource management in a changing world: economic, environmental and societal trade-offs and synergies.
- Member of the Scientific Committee of the 1st International Conference on Environmental Design (ICED2020), Athens, Greece, 24-25 October 2020.
- Member of the Scientific Committee of the 7th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference, Mykonos island, Greece, June 19-24, 2019.
- European Geosciences Union (EGU), General Assembly 2009 (Vienna, 19-24 April), Hydrological Science (HS):
 1. Co-convener of meeting HS6.2: Integrated water resources management.
 2. Co-convener of meeting HS6.4: The new EU water directives.

6.2 Editor in Journals/Books

1. Guest Editor (2024) in the international Journal Climate (ISSN 2225-1154), Special Issue " Climate Change and Cooperative Management of National and Transboundary River Basins"
https://www.mdpi.com/journal/climate/special_issues/N4T87HXO52
2. Guest Editor (2024) in the international Journal Sustainability (ISSN 2071-1050), Special Issue " Novel Techniques for Water Resources in a Changing Climate: Hydrological Strategies for a Sustainable Future",
https://www.mdpi.com/journal/sustainability/special_issues/H3YL88W8AW
3. Review Editor on the Editorial Board of Natural Resources (2022) in the international Journal Frontiers in Sustainable Resource Management <https://loop.frontiersin.org/people/1841209/overview>
4. Guest Editor (2021) in the international Journal Water (ISSN 2073-4441), Special Issue " Statistical Methods and Hydroinformatics Applied in Water Resources",
https://www.mdpi.com/journal/water/special_issues/statistical_methods_hydroinformatics

5. Guest Editor (2021) in the international Journal *Climate* (ISSN 2225-1154), Special Issue "Climate Change and Responses for Water and Environmental Security",
https://www.mdpi.com/journal/climate/special_issues/Water_Environmental_Security
6. Peer and Acknowledged Reviewer (2020) in the following book: UNESCO and UNESCO i-WSSM. 2020. Water Reuse within a Circular Economy Context (Series II). *Global Water Security Issues (GWSI) Series – No.2*, UNESCO Publishing, Paris. <https://unesdoc.unesco.org/ark:/48223/pf0000374715.locale=en>
7. Guest Editor (2018) in the international Journal *Climate* (ISSN 2225-1154), Special Issue "Impact of Climate-Change on Water Resources". Printed Edition of the book: <https://www.mdpi.com/books/pdfview/book/3320>
8. Topic Board Editor in the international Journal *Atmosphere* (ISSN 2073-4433), Impact Factor 3.011.
(https://www.mdpi.com/journal/atmosphere/topic_editors)

6.3 Reviewer in scientific journals

Reviewer in more than 100 research articles in International Scientific Journals, such as: *Nature* – Springer, *Water Resources Management* – Springer, *Journal of Hydrology* – Elsevier, *Water* – MDPI, *Climate* – MDPI, *Sustainability* – MDPI, *Energies* – MDPI, *Journal of Environmental Management* – Elsevier, *Hydrological Processes*– Wiley, *Environmental Processes* – Springer, *Remote Sensing Applications: Society and Environment* – Elsevier, *Environmental Earth Sciences* – Elsevier, *Natural Resources Forum* – Wiley, *Earth Science Informatics* – Springer, *Desalination and Water Treatment* – Desalination Publications, *Royal Society Open Science* – Royal Society publishing, *Water policy* – IWA, etc.
<https://www.webofscience.com/wos/author/record/AAA-7518-2021>

6.4 Reviewer in international conferences

- Reviewer at the 7th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and to the SECOTOX Conference, Mykonos island, Greece, June 19 to 24, 2019.
- Reviewer at the 13th International Conference on Protection and Restoration of the Environment, Mykonos island, Greece, July 3rd to 8th, 2016
- Reviewer at the 5th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and to the SECOTOX Conference, Mykonos island, Greece, June 14 to 18, 2015.

6.5 Evaluator

1. 2025 – Evaluator to proposals the National Science Centre and the National Centre for Research and Development of the Ministry of Science and Higher Education, Poland.
2. 2022 - Currently: Certified Instructor at the Center for Education & Lifelong Learning (K.E.D.I.V.I.M.) of the Hellenic Open University.
3. 2021 - Currently: Certified Evaluator of the Hellenic Foundation for Research and Innovation (HFRI).
4. 2021 - Evaluator in the context of Call 2 "Special measures related to the supported program of measures of Greece", entitled "Implementation of research measures of river basin management plans", of the "WATER MANAGEMENT" Program of the EEA 2014-2021. Evaluator on PRIMA 2020 (Partnership for Research and Innovation in the Mediterranean Area) on the thematic area «Topic 1.1.1 (IA) Implementing sustainable, integrated management of water resources in the Mediterranean, under climate change conditions»
5. Evaluator to the Action "Demonstration - experimental development actions that promote the research and innovation in areas of RIS3Crete", Greece. (Hellenic General Secretariat of Research).
6. Evaluator to proposals submitted under the 7th EC Framework Program (for the implementation of FRACTALS within the framework of the Specific Programme "Cooperation" of the 7th Framework Programme for Research and Development.

7. Research and Work experience

7.1 Research projects

<i>Dates</i>	01/02/2026-30/9/2028
<i>Project</i>	European Regional and Coastal Seas in a Rapid Changing Climate (EU-INTERCHANGE). Coordinator: Prof. Evangelia Loukogeorgaki, AUTH, Greece.
<i>Name of employer</i>	HORISON EUROPE, European Commission
<i>Dates</i>	16/12/2023-30/9/2026
<i>Project</i>	Improved Predictability of Extremes over the Mediterranean from Seasonal to Decadal Timescales (PREVENT). Coordinator: Prof. Christina Anagnostopoulou, AUTH, Greece.
<i>Name of employer</i>	HORISON EUROPE, European Commission
<i>Dates</i>	19/02/2023-31/05/2023
<i>Project</i>	Web-based online courses on hydraulics, hydrology and water resources management for engineers in Africa.
<i>Name of employer</i>	FHARO FOUNDATION PROGRAMME, Research Committee AUTH
<i>Dates</i>	1/10/2021-31/8/2024
<i>Project</i>	COASTAL CLIMATE CORE SERVICES (CoCliCo). Coordinator: Prof. Evangelia Loukogeorgaki, AUTH, Greece.
<i>Name of employer</i>	HORISON 2020, European Commission
<i>Dates</i>	01/02/2018-31/10/2021
<i>Project</i>	Strengthening of master curricula in water resources management for the Western Balkans HEIs and stakeholders. Coordinator: Prof. Prinos Panayiotis, AUTH, Greece.
<i>Name of employer</i>	European Commission Education, Audiovisual and Culture Executive Agency (Erasmus+)
<i>Dates</i>	24/01/2018-31/10/2020
<i>Project</i>	Integrated Quantitative Assessment of Climate Change Impacts on Mediterranean Coastal Water Resources and Socio-Economic Vulnerability Mapping. Coordinator: Prof. Krestenitis Yiannis, AUTH, Greece.
<i>Name of employer</i>	European Commission – Research Directorate General
<i>Dates</i>	12/04/2017-31/12/2017
<i>Project</i>	Regional PhD School based on Innovative HydroPlatform in Water and Environment to Enhance MAGhreb Inter-Research Centres (MAGIC). Coordinator: Prof. Nicolaos Theodosiou, AUTH, Greece.
<i>Name of employer</i>	European Commission Education, Audiovisual and Culture Executive Agency (Erasmus+)
<i>Dates</i>	08/02/2016-14/10/2019
<i>Project</i>	Trans-Regional Environmental Awareness for Sustainable Usage of Water Resources /TREASURE-WATER, Coordinator: Associate Prof. Elpida Kolokytha, AUTH, Greece.
<i>Name of employer</i>	European Commission Education, Audiovisual and Culture Executive Agency (Erasmus+)
<i>Dates</i>	27/01/2016-28/02/2017

<i>Project</i>	Improving the knowledge in determining the minimum water level and flow of water bodies (Project code 91967)
<i>Name of employer</i>	European Economic Area (EEA) Grants
<i>Dates</i>	20/11/2014-22/08/2015
<i>Project</i>	Design, establishment and operation of pilot geothermal applications (Project code 88981)
<i>Name of employer</i>	European Regional Development Fund (ERDF), Greek Ministry of Education and Religious Affairs
<i>Dates</i>	4/10/2012-26/3/2015
<i>Project</i>	Investigating climate change in Greece and its impact on the sustainability of hydroelectric power projects and the agricultural economy: Application in Nestos river basin (Project Code 85044)
<i>Name of employer</i>	General Secretariat for Research & Technology, Greece
<i>Dates</i>	01/01/2012 – 29/02/2012
<i>Project</i>	Operation evaluation of telemetry network and evaluation of water quality of Eastern Macedonia and Thrace Region. (Project code 86772), Coordinator: Prof. Zalidis George, AUTH, Greece.
<i>Name of employer</i>	Region of Eastern Macedonia and Thrace, Greece
<i>Dates</i>	01/12/2011 - 31/12/2011
<i>Project</i>	Development of environmental indicators of quality soil resources in protected areas. (Project code 85864), Coordinator: Prof. Zalidis George, AUTH, Greece.
<i>Name of employer</i>	Region of Central Macedonia, Greece
<i>Dates</i>	01/10/2011- 30/11/2011
<i>Project</i>	Services on the development of databases monitoring the environmental parameters and of decision support system for the Lake Koronia. (Project code 83605)
<i>Name of employer</i>	Prefectural Administration of Thessaloniki, Greece
<i>Dates</i>	23/06/2011- 31/08/2011
<i>Project</i>	Operation and maintenance of telemetry network in Eastern Macedonia and Thrace (Project code 86122). Coordinator: Prof. Zalidis George, AUTH, Greece
<i>Name of employer</i>	Region of Eastern Macedonia and Thrace, Greece
<i>Dates</i>	03/03/2011-31/05/2011
<i>Project</i>	Operation of telemetry network and water quality assessment in Eastern Macedonia and Thrace (Project code 86772). Coordinator: Prof. Zalidis George, AUTH, Greece
<i>Name of employer</i>	Region of Eastern Macedonia and Thrace, Greece
<i>Dates</i>	01/03/2010-31/03/2010
<i>Project</i>	Science - Policy Interfacing in support of the Water Framework Directive implementation. (Project code. FP6-81844, EU/AUTH). Coordinator: Prof. Jacques Ganoulis, AUTH, Greece
<i>Name of employer</i>	Commission of the European Communities, Research Directorate General
<i>Dates</i>	23/12/2008-31/03/2009
<i>Project</i>	Conference: "IV International Symposium on Transboundary Water Management" (Project code. 83872, UNESCO). Coordinator: Prof. Jacques Ganoulis, AUTH, Greece

<i>Name of employer</i>	UNESCO
<i>Dates</i>	01/12/2008 -30/06/2009
<i>Project</i>	Environmental Protection and Sustainable Use of Water in the Nestos Delta region: Nitrates Pollution and Coastal Erosion Issues. (Project code. 83255, ΕΕ/ΑΠΘ). Coordinator: Prof. Jacques Ganoulis, AUTH, Greece.
<i>Name of employer</i>	John S. Latsis Public Benefit Foundation
<i>Dates</i>	15/10/2007 – 31/12/2008
<i>Project</i>	Management of Water Resources of the Drama Basin under Climate Change Conditions (Project code: KA 82982). Coordinator: Prof. Petros Anagnostopoulos, AUTH, Greece.
<i>Name of employer</i>	Prefecture of Drama, Greece.
<i>Dates</i>	01/01/2005 – 28/02/2007
<i>Project</i>	Cooperation Along a Big River: CABRI-Volga. (Project code: FP6-013424 & 80054 ΕΕ/ΑΠΘ). Coordinator: Ruprecht Consult, Germany.
<i>Name of employer</i>	European Commission – Research Directorate General
<i>Dates</i>	01/11/2004 – 31/12/2004
<i>Project</i>	Web development for the EU research project RIVERTWIN 2004 (Project code: FP6-505401 & 21644 ΕΕ/ΑΠΘ). Coordinator: Prof. Jacques Ganoulis, AUTH, Greece.
<i>Name of employer</i>	European Commission – Research Directorate General

7.2 Additional work experience

<i>Dates</i>	1/2/2026 – 30/06/2027
<i>Main activities and responsibilities</i>	Technical consultant for the development of Master Plan for the integrated water resources management of the hydrosystem and Lake Vistonida at the Water Districted of Thrace (EL12), Greece.
<i>Name of employer</i>	CONSORTIS S.A.
<i>Dates</i>	4/4/2022 – 30/03/2023
<i>Main activities and responsibilities</i>	Technical consultant for the development of the 2 nd cycle of River Basin Management Plans of the River Basin District of Central Macedonia (EL10), Greece.
<i>Name of employer</i>	CONSORTIS S.A.
<i>Dates</i>	1/4/2021 – 13/01/2022
<i>Main activities and responsibilities</i>	Technical consultant for the development of the hydraulic and hydrologic models of the project “Spatial and temporal evaluation of the feasibility of measures for flood protection intervention in the area of Strymon river basin” within the Project “Flood Protection - Cross Border Planning and Infrastructure Measures for Flood Protection” under the framework of the INTERREG V programme Greece -Bulgaria 2014-2020.
<i>Name of employer</i>	CONSORTIS S.A.
<i>Dates</i>	1/09/2015 – 31/05/2019

<i>Main activities and responsibilities</i>	Technical consultant for transboundary water resources management (Water Framework Directive and Floods Directive) under climate change conditions in Greece.
<i>Name of employer</i>	Special Secretariat for Water (SSW)/Ministry of Environment and Energy, Greece
<i>Dates</i>	20/12/2017 – 30/6/2018
<i>Main activities and responsibilities</i>	Technical consultant for the development of the online database system for the monitoring of the Bathing Waters In Greece, under the WFD implementation process.
<i>Name of employer</i>	Natural Environment & Climate Change Agency, Ministry of Environment and Energy, Greece
<i>Dates</i>	27/02/2015 – 23/05/2015 23/10/2015 – 20/12/2015
<i>Main activities and responsibilities</i>	Individual specialist (Consultant) as GIS and WebGIS Specialist for the development of 2 geo-referenced information system regarding the coastal aquifers and coastal wetlands in the Mediterranean for the GEF/UNEP-MAP Strategic Partnership for the Mediterranean Sea Large Marine Ecosystem (MedPartnership) Project.
<i>Name of employer</i>	UNESCO-IHP
<i>Dates</i>	March 2011 – December 2015
<i>Main activities and responsibilities</i>	Research Associate at the Balkan Environment Centre (www.ibec.gr) for the following projects: <ul style="list-style-type: none"> • “Automated Telemetric applications for operational monitoring in Nestos River Basin”, “AutoNest”, European Territorial Cooperation Programme «Greece - Bulgaria» 2007-2013». <p>Participation in WP5: Data management tools for water quality assessment and early warning applications</p> • “Decision Support System for flood risks alert in Strymon/Struma River Basin”, “RIVERALERT”, European Territorial Cooperation Programme «Greece - Bulgaria» 2007-2013». <p>Participation in WP5: Developing floods and erosion risk assessment tools, and in WP6: Pilot functioning of the system</p>

8. Personal skills and competences

8.1 Languages

<i>Mother tongue</i>	Greek						
<i>Other languages</i>	English, French						
<i>Self-assessment</i>	Understanding		Speaking			Writing	
<i>European level</i>	Listening	Reading	Spoken interaction	Spoken production			
English	C2 Proficient user	C2 Proficient user	C2	Proficient user	C2 Proficient user	C2	Proficient user
French	C2 Proficient user	C2 Proficient user	C2	Proficient user	C2 Proficient user	C2	Proficient user

9. Publications

9.1 University Thesis

PhD Thesis: Mathematical modelling applied to the sustainable management of water resources projects at a river basin scale. The case of the Mesta–Nestos. » Aristotle University of Thessaloniki, 2008, pp 275 (Greek edition)

Ph.D Thesis : «Modélisation appliquée à la gestion durable des projets de ressources en eau à l'échelle d'un bassin hydrographique: Le cas du Mesta-Nestos », - Ecole des Mines de Paris - Paris Tech – France, 2008, pp. 306. (French/English edition).

M.Sc Thesis: « Water resources geographic information management on the Internet. Data structures and broadcasting methodology», Democritus University of Thrace, Department of Electrical and Computer Engineering, 2004, pp. 130.

Diploma: «Management of Geographic Information Systems (GIS) », Democritus University of Thrace, Department of Electrical and Computer Engineering, 2002, pp. 80.

9.2 Peer-reviewed journal articles:

- 9.2.1 Luijendijk, A., Kras, E., Rodriguez, L., Calcoen, F., **Skoulikaris, C.**, Loukogeorgaki, E., Thiéblemont, R., Bascoul, V., Romao, S., Hamley, J., Sayers, P., Nicholls, R., Melet, A., Le Cozannet, G. (2026). The development and application of a web-platform for delivering science-based Coastal Climate Services. *Climate Services* (under review)
- 9.2.2 **Skoulikaris, C.**, Karamanoli, E. (2025). Environmental Flow Assessment in Greece's Major Rivers Using LISFLOOD Large-scale Model and Hydrology-based Methods. *Environ. Process.* 12, 42. <https://doi.org/10.1007/s40710-025-00785-z>
- 9.2.3 Sajid, T., Maimoon, S. K., Waseem, M., Ahmed, S., Khan, M. A., Tränckner, J., Pasha, G. A., Hamidifar, H., **Skoulikaris, C.** (2025). Integrated risk assessment of floods and landslides in Kohistan, Pakistan. *Sustainability.* 17(8), 3331. <https://doi.org/10.3390/su17083331>
- 9.2.4 Tzanou, E. **Skoulikaris, C.** (2024). Geo-Referenced Databases and SWOT Analysis for Assessing Flood Protection Structures, Measures, and Works at a River Basin Scale. *Hydrology*, 11, 136. <https://doi.org/10.3390/hydrology11090136>
- 9.2.5 **Skoulikaris, Ch.**, Nagkoulis, N. (2024). A genetic algorithm's novel rainfall distribution method for optimized hydrological modelling at basin scales. *Journal of Hydroinformatics*, 26(6), 1295–1312. <https://doi.org/10.2166/hydro.2024.224>
- 9.2.6 **Skoulikaris, Ch.** (2024). Large-Scale Hydrological Models and Transboundary River Basins. *Water.* 2024; 16(6):878. <https://doi.org/10.3390/w16060878>
- 9.2.7 **Skoulikaris, Ch.**, Piliouras, M. (2023). Hydrological simulation of ungauged basins via forcing by large-scale hydrology models. *Hydrological Processes*, 37(12), e15044. <http://dx.doi.org/10.1002/hyp.15044>
- 9.2.8 **Skoulikaris, Ch.**, Tzanou, E. (2023). Fostering flood control policy measures at basin scale hydrosystems with the use of geo-spatial technologies. *Facta Universitatis: Architecture and Civil Engineering Journal.* <https://doi.org/10.2298/FUACE230630036S>
- 9.2.9 Katirtzidou, M., **Skoulikaris Ch.**, Makris, Ch. Mpaltikas, V., Latinopoulos, D., Krestenitis Y. (2023). Modeling stakeholders' perceptions in participatory multi-risk assessment on a deltaic environment under climate change conditions. *Environmental Modelling & Assessment.* <https://doi.org/10.1007/s10666-023-09890-5>.
- 9.2.10 Tolika, K., **Skoulikaris, Ch.** (2022). Atmospheric circulation types and floods' occurrence; a thorough analysis over Greece. *Science of the Total Environment*, 865, 161217. <https://doi.org/10.1016/j.scitotenv.2022>.
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- 9.2.30** Ganoulis, J., **Skoulikaris, Ch.** (2011). A Conceptual Model for Implementing Integrated Transboundary Water Resources Management (ITWRM). *Journal of Hydrologic Environment*, 7(1), 155-158.
- 9.2.31** Ganoulis, J., **Skoulikaris, Ch.**, Monget, J.M. (2008). Involving Stakeholders In Transboundary Water Resources Management: The Mesta/Nestos “HELP” Basin. *Water SA Journal*, 34(4), 461-467. <https://doi.org/10.4314/wsa.v34i4.183657>
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9.3 Peer reviewed international conference papers

- 9.1.1** Tzanou, E., **Skoulikaris, Ch.**, Chatzigiannis, A., Tsakoumis, G. (2026.) Integrating multicriteria and SWOT analyses with hydraulic modelling for local-scale flood protection planning. 13th International Conference on Fluvial Hydraulics, IAHR, June 30 – July 4, 2026, Thessaloniki, Greece. (accepted for publication).
- 9.1.2** Spiliotis, M., Bourdis, D., Petkopoulos, S., **Skoulikaris, C.** (2026). Complex Network Approach for the Analysis of Hydrological Drought in the Greek Territory of the Nestos River. 13th International Conference on Fluvial Hydraulics, IAHR, June 30 – July 4, 2026, Thessaloniki, Greece. (accepted for publication).
- 9.1.3** Piliouras, M., **Skoulikaris, Ch.**, Chatzigiannis, A., Tsakoumis, G. (2026). Assessment of water balance using mathematical models in a Mediterranean context: The case study of the Water District of Central Macedonia, Greece. 13th International Conference on Fluvial Hydraulics, IAHR, June 30 – July 4, 2026, Thessaloniki, Greece. (accepted for publication).
- 9.1.4** Tzanou, E., **Skoulikaris, Ch.**, Chatzigiannis, A., Tsakoumis, G. (2026). Integrating multicriteria and SWOT analyses with hydraulic modelling for local-scale flood protection planning. 13th International Conference on Fluvial Hydraulics, IAHR, June 30 – July 4, 2026, Thessaloniki, Greece. (accepted for publication).
- 9.1.5** Spiliotis, M., Bourdis, D., Petkopoulos, S., **Skoulikaris, C.**, Kampas, G. (2026). Climate-Driven Inflow Variability and Operational Management Conflicts in a Hydropower–Irrigation Hydrosystem. Paper No. 153, 9th IAHR Europe Congress, 9-12 June 2026, Luleå, Sweden, (accepted for publication).
- 9.1.6** Alpanakis, N., **Skoulikaris, C.**, Velikou, K., Loukas, A. (2026). Cloud Based Technologies and Bias Correction for Rendering Big Data Precipitation at National Scale. The Case Study of Greece. 6th EWaS (Efficient Water Systems) International Conference, 11 – 14 May 2026, Thessaloniki, Greece. (accepted for publication).
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- 9.1.9** **Skoulikaris Ch.** (2023). Hydrodiplomacy and climate change: an assessment on the transboundary river basins of Greece. In: *The 7th International Electronic Conference on Water Sciences*, 15–30 March 2023, MDPI: Basel, Switzerland. <https://doi.org/10.3390/ECWS-7-14182>.
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- 9.1.11** Stefanopoulou D., **Skoulikaris Ch.** (2022). Assessment of hydrodiplomacy effectiveness under climate change: The case study of the transboundary river basins of Greece. In: *3rd International Conference on Environmental Design (ICED2022)*, 22-23 October 2022, Athens, Greece. (Accepted for oral presentation, Article in press).

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- 9.1.22** Lazoglou, G., Anagnostopoulou, C., **Skoulikaris, C.** (2019). The use of COPULA method for the bias correction of MPI model extreme precipitation in Nestos catchment. In: *XXXIIème Colloque Internationale de l'AIC*, 29 May- 1 June, 2019, Thessaloniki, Greece, pp. 487-492.
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- 9.1.31** Zalidis, G., Karapetsas, N., **Skoulikaris, C.**, Misopolinos, L., Manesis, C. (2013). Development of an integrated application portal for environmental spatial information dissemination in the Nestos river basin. In: *1st International Conference on Remote Sensing and Geoinformation of Environment (pp. 87950B-87950B).* International Society for Optics and Photonics.
- 9.1.32** **Skoulikaris Ch.**, Antoniadis A., Karapetsas N., Misopolinos L., Zalidis G. (2012). Mapserver Technologies and telemetric monitoring systems for near real time projection of flood events. In: *5th International Conference from Scientific Computing to Computational Engineering (5th IC-SCCE), Athens, Greece, 4-7 July 2012, pp. 323-340.*
- 9.1.33** **Skoulikaris Ch.**, Ganoulis J., Karapetsas, N. (2012) Assessment of environmental costs for integrated water resources management projects. In: *XI International Conference of Protection and Restoration of the Environment, Thessaloniki, Greece 3-6 July, 2012, pp. 253-261.*
- 9.1.34** Ganoulis, J., & **Skoulikaris, Ch.** (2011). A Conceptual Model for Implementing Integrated Transboundary Water Resources Management (ITWRM). In: *Proceedings of the Second International Symposium on Building Knowledge Bridges for a Sustainable Water Future.* ed. / Andrés Tarté ; Eda Soto ; Emilio Messina. Panama Canal Authority (ACP) and UNESCO, 2011. p. 99-102.
- 9.1.35** Ganoulis, J., & **Skoulikaris, Ch.** (2010). Coupling Hydrological and Climate Models to Analyse Implications of Changes in Climate and Land Use on River Catchment Hydrology. In *ICID+18, 2nd International Conference: Climate, Sustainability and Development in Semi-arid Regions, Brazil, Fortaleza – Ceará, August 2010.*
- 9.1.36** **Skoulikaris, Ch.**, Ganoulis, J., and J.M. Monget. (2009). Impact of Climate Change on River Water Flow: The Case of the Transboundary Mesta/Nestos River between Bulgaria and Greece. In *33rd International Association of Hydraulic Engineering & Research (IAHR) Biennial Congress, Vancouver, British Columbia. ISBN 978-94-90365-01-1. pp 1108-1115.*
- 9.1.37** **Skoulikaris, Ch.**, Ganoulis, J., and Monget, J.M. (2009). Integrated modelling of a new dam: a case study from the “HELP” Mesta/Nestos River: In *Anderssen, R.S., R.D. Braddock and L.T.H. Newham (eds), 18th World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation. Modelling and Simulation Society of Australia and New Zealand and International Association for Mathematics and Computers in Simulation. ISBN 978-0-9758400-7-8. pp. 4050-4056.*

- 9.1.38** Karakos, A., **Skoulikaris, X.**, Monget, J.M., Viavattene, C. (2004). Broadcasting a unified vision of a transboundary water basin using Internet. The Mesta-Nestos exemple. *European Water Resources Association on Water Resources management – EWRA Symposium*, Izmir, Turkey 2004, pp 733-742.
- 9.1.39** Karakos, A., **Skoulikaris, X.**, Koutroumanidis, Th., (2004). A prototype web site for public broadcast using DPSIR indicators. Experiment on the Nestos delta, Greece. *International Conference: "Information systems & innovative technologies in agriculture, food and environment"*, Thessaloniki, 2004, ISBN 960-2870-49-4. pp. 38-46.
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9.2 Books/Chapter in Books

- 9.2.1** Ganoulis, J., **Skoulikaris, Ch.** (2026). Multi-Criteria Decision Analysis and the Eristic-Dialectical Model for Conflict Resolution in Transboundary Water Resources Management. In: *M. Shahbazbegian & A. Dinar. (Eds). Decision Support Models (DSMs) to Assist International Transboundary Water Negotiations*. Oxford University Press (OUP). <https://global.oup.com/academic/product/decision-support-models-to-assist-international-and-transboundary-water-negotiations-9780197802571?cc=gr&lang=en&#>
- 9.2.2** **Skoulikaris, Ch.**, Kaffas, K. (2025). Assessment of sediment management policies and impact studies along the Greek rivers and reservoirs. In: *Nones, M., Guo, C., Hamidifar, H. (Eds). Sediment management in rivers and reservoirs: examples from Europe and China*. GeoPlanet: Earth and Planetary Sciences series, Springer. (In press).
- 9.2.3** **Skoulikaris, Ch.**, Tuneski, A. (2020). Overview of the situation on the water management of the Vardar/Axios River in North Macedonia and Greece. In: Babunski, D. & Markov, Z. (eds) *Water management of cross-border waterbodies - possibilities for joint cooperation in coping with the challenges*, Wilfried Martens Centre for European Studies and Konrad Adenauer Foundation Publication <https://www.martenscentre.eu/wp-content/uploads/2020/12/WEB-Water-Management.pdf>
- 9.2.4** Kolokytha, E., **Skoulikaris Ch.** (2020) IWRM and EU policies to adapt to climate change. Experience from Greece. In: *R. Teegavarapu et al. (eds) Climate-Change Sensitive Water Resources Management*, CRC Press/Balkema – Taylor & Francis Group, ISBN 978-0-367-25788-0 <http://dx.doi.org/10.1201/9780429289873-2>
- 9.2.5** **Skoulikaris, Ch.** (2020). Energy, water and food nexus: Multipurpose hydropower projects under climate change. In: *Tantau, A. Dima, A., Maassen, M. (eds) Innovation Energy: Trends and Perspectives or Challenges of Energy Innovation*, Nova Science Publishers, New York, USA. <https://novapublishers.com/shop/innovation-energy-trends-and-perspectives-or-challenges-of-energy-innovation/>
- 9.2.6** **Skoulikaris, Ch.**, Filali-Meknassi, Y., Aureli, A., Amani, A., Jiménez-Cisneros, B.E. (2018). Information-Communication Technologies as an Integrated Water Resources Management (IWRM) tool for sustainable development. In: Komatina, D. (eds) *Integrated River Basin Management for Sustainable Development of Regions*, InTech Publications DOI: 10.5772/intechopen.74700 <https://www.intechopen.com/chapters/59624>
- 9.2.7** Anagnostopoulou, C., Tolika, K., **Skoulikaris, Ch.**, Zafirakou, A. (2016). Climate Change Assessments Over a Greek Catchment Using RCM's Projection. In: *Karacostas T., Bais A., Nastos P. (eds) Perspectives on Atmospheric Sciences*. Springer Atmospheric Sciences. Springer, Cham, 655-661, https://doi.org/10.1007/978-3-319-35095-0_93
- 9.2.8** Member of the Authorship of the **National Hellenic Strategy of Climate Change Adaptation** (2016). Ministry of Environment and Energy, General Secretariat for the Environmental Policy, Department of Climate Change and Atmosphere, pp. 115. https://www.depa.gr/wp-content/uploads/2020/02/06.04.2016-espka-teliko_.pdf (In Greek).
- 9.2.9** **Skoulikaris, Ch.**, Ganoulis, J., Karapetsas, N., Katsogiannos, F., Zalidis, G. (2014). Cooperative WebGIS interactive information systems for water resources data management. In: *Hydrology in a Changing World: Environmental and Human Dimensions* (ed. by T. Daniell et al.). IAHS Publ 363, 342–347. IAHS, Wallingford, UK.

- 9.2.10** Patsialis, T., **Skoulikaris, Ch.**, Ganoulis J. (2014). Ecological flow for integrated planning of small hydropower plants. A case study from Greece, In: *Hydrology in a Changing World: Environmental and Human Dimensions* (ed. by T. Daniell et al.). IAHS Publ 363, 469-474. IAHS, Wallingford, UK.
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- 9.2.13** **Skoulikaris Ch.**, Ganoulis J. (2012). Climate Change Impacts on River Catchment Hydrology Using Dynamic Downscaling of Global Climate Models. In: *Fernando, H., et al. (eds.), National Security and Human Health Implications of Climate Change*, NATO Science for Peace and Security Series C: Environmental Security, 2012, 281-287, DOI: 10.1007/978-94-007-2430-3_240.
- 9.2.14** **Skoulikaris Ch.**, Monget J-M, Ganoulis J. (2011). Climate Change Impacts on Dams Projects on Transboundary River Basins. The Case of Mesta/Nestos River Basin, Greece. In: *Ganoulis J. et al. (Eds.), Transboundary Water Resources Management: A Multidisciplinary Approach*, Wiley-VCH Publishers, Inc., ISBN: 978-3-527-33014-0, pp. 185-191.
- 9.2.15** Ganoulis, J., **Skoulikaris, C.**, (2011). Impact of Climate Change on Hydropower Generation and Irrigation: A Case Study from Greece. In: *Bada Alper et al. (Eds.), Climate Change and its Effects on Water Resources*, NATO Science for Peace and Security Series C: Environmental Security, Vol. 3, ISBN 1007/978-94-007-1143-3_10, pp. 87-95.
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- 9.2.17** Ganoulis, J., **Skoulikaris Ch.**, Monget J-M. (2008). Remote Sensing and Geographic Information Systems for the Hydrologic Simulation of Water Basins: The case of Nestos River. In: Giannopoulos, S. (Eds), YDROGAIA, ZHTH Publications, Thessaloniki, pp. 235-243 (*In Greek*).

9.3 International conferences with abstract:

- 9.3.1** **Skoulikaris, C.**, Avgitidou, V.E. (2026). Multicriteria analysis supported by geographic information systems and hydraulic modelling for flood protection in riparian regions. 9th International Electronic Conference on Water Sciences (ECWS-9), 11–14 November 2025.
- 9.3.2** Ganoulis, J., Fried, J., **Skoulikaris, Ch.** (2021). The Role of Regional Communities in Transboundary Groundwater Cooperation. In: *2nd International Conference on Transboundary Aquifers (ISARM 2021)*, 6-9 December, Paris, France.
- 9.3.3** Makris, C., Baltikas, V., Tolika, K., Velikou, K., **Skoulikaris, Ch.**, Krestenitis Y. (2021). Climate Change Impacts on the Storm Surges of Mediterranean Coastal Areas. Proceedings of the 6th IAHR Europe Congress, 15-18 February, 2021, Warsaw, Poland.
- 9.3.4** **Skoulikaris, Ch.**, Kolokytha, E. (2019). Energy, Water, Food and Environment Nexus: An Integrated Water Resources Management Approach under Climate Change. In *Life and Earth Sciences and Sustainable Global and Regional Development (AKTRU2019)*, International Symposium and Summer Schools, Gorno Altaysk, Siberia, Russia, 7-10 July 2019.
- 9.3.5** Liapis, V., Oikonomidis, Ch., **Skoulikaris, Ch.**, Zafirakou, A. (2017). Qualitative and quantitative analysis of the Greek transboundary surface water bodies' characteristic. In *Proceedings of 6th Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2017) and SECOTOX Conference, Thessaloniki, Greece, 25-30 June 2017*, pp.398, ISBN: 978-618-5271-15-2
- 9.3.6** **Skoulikaris, Ch.**, Zafirakou, A., Anagnostopoulou, Ch., Tolika, K., Doulgeris, Ch., Papadimos, D., Triantafillidis, S., Koutrakis, M. (2016). Assessment of minimum water level and flow in water bodies in Greece under the impact of

climate change. *Proceedings of the 13th International Conference on Protection and Restoration of the Environment*, Eds: Kungolos A. et al, 3 - 8 July 2016, Mykonos, Greece. 80p ISBN: 978-960-6865-94-7.

- 9.3.7 Skoulikaris, Ch.**, Ganoulis, J., Tsoukalas, I., Makropoulos, Ch., Gkatzogianni, E., Michas, S. (2015). Integrated water resources modelling for assessing sustainable water governance, *Geophysical Research Abstracts Vol. 17, EGU2015-12142*, 2015 EGU General Assembly 2015.
- 9.3.8 Karapetsas, N., Skoulikaris, Ch.**, Katsogiannos, F., Zalidis, G., Alexandridis, T. (2013). Optimization of the resolution of remotely sensed digital elevation model to facilitate the simulation and spatial propagation of flood events in flat areas, *Geophysical Research Abstracts Vol. 15, EGU2013-11870*, 2013 EGU General Assembly 2013.
- 9.3.9 Ganoulis, J., Skoulikaris, Ch.** (2012). Impacts of climate change and land use on river catchment hydrology using model downscaling. *In: The 10th Int. Conf. on Hydrosience and Engineering (ICHE-2012), Orlando, USA Nov. 4 – Nov. 7*, pp. 275-276.
- 9.3.10 Skoulikaris Ch.**, Ganoulis J. (2012). Water regime vulnerability due to climate change impacts on snow cover budget at mountainous basins of the Mediterranean. *In: HydroPredict 2012, Predictions for Hydrology, Ecology and Water Resources Management: Water Resources and Changing Global Environment. ed. / Nachtnebel, P., Kovar, K., 2012, p. 79.*
- 9.3.11 Skoulikaris, Ch.**, Ganoulis, J., Zafeirakou, A., Monget, J.M., (2011). Modelling River Flow Rate and Water Level Variations Under Global Climate Change. *In 16th International MESAEP Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region*, Ioannina, Greece, September 24 - 27, 2011
- 9.3.12 Monget J.M., Ganoulis, J., Skoulikaris, Ch.** (2008). The dimensions of change in the management of the transboundary Mesta-Nestos river basin. *In IV International Symposium on Transboundary Waters Management*, Thessaloniki, Greece, 18-20 Oct. Thessaloniki, Greece.
- 9.3.13 Skoulikaris Ch.**, Monget, J-M., Ganoulis, J. (2008). Climate Change Impacts on Dams Projects on Transboundary River Basins. The Case of Mesta/Nestos River Basin, Greece. *IV International Symposium on Transboundary Waters Management*, 18-20 Oct. Thessaloniki, Greece.
- 9.3.14 Ganoulis, J., Skoulikaris, X.** Monget, J.M. (2008). Communicating scientific results to stakeholders to facilitate the decision making process in transboundary water resources management, *European Geosciences Union General Assembly 2008*, Vienna, Austria, 13 – 18 April 2008.
- 9.3.15 Skoulikaris, X.**, Ganoulis, J. (2005). CABRI-Volga, Cooperation Along a Big River: Institutional coordination among stakeholders for environmental risk management in the Volga basin. *6th International Conference of European Water Resources Association (EWRA)*, Editions de la Boyère (Eds), ISBN 2-906859-17-6. pp. 70.

10. Member of Chambers-Organizations

1. September 2007-Currently: Secretary General of UNESCO Chair and Network “International Network of Water - Environment Centres for the Balkans – INWEB”, at Aristotle University of Thessaloniki, Greece.
2. October 2003: Member of Technical Chamber of Greece.

11. h-index factor (Based on data of January 2026)

- Scopus 13 (<https://www.scopus.com/authid/detail.uri?authorId=50861776700>)
- Research Gate 17 (https://www.researchgate.net/profile/Charalampos_Skoulikaris)
- Google Scholar 16 (<https://scholar.google.gr/citations?user=8qbBURgAAAAJ&hl=el>)