

## CURRICULUM VITAE

FIRST NAME: DIMITRIOS

FAMILY NAME: EMMANOULOUDIS FATHER'S

NAME: ARGIRIOS

PLACE AND DATE OF BIRTH: Thessaloniki, 25th July 1959

PERMANENT HOME ADDRESS:

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### PROFESSION:

FOREST ENGINEER- HYDROLOGIST

### STUDIES:

November 1982, BSc, Department of Forestry and Natural Environment of Aristotle University of Thessaloniki.

### POSTGRADUATE STUDIES:

**November 1990**, PhD, "Natural deltaic landforms of the Greek peninsula", Department of Forestry and Natural Environment of Aristotle University of Thessaloniki, Greece.

### POSTDOCTORAL RESEARCH:

**February 2003-September 2003**, Universidad Politecnica de Madrid, on erosion measurement techniques.

Post-doctoral research in mountainous watersheds of central Spain (area of Guadalajara), applying a new method for measuring erodibility praised by the School of Mountainous Engineers of University of Madrid. Lectures to students and professors of the Department Ingenieria de Montes in my scientific field objects.

### RESEARCH EXPERIENCE:

1. Laboratory of Hydraulics, Sector of Land Amelioration, Department of Agriculture, AUTH, associate researcher (September 1983 - August 1984). Study of sediment movement in open channels with emphasis on torrent streams.
2. Laboratory of Mountainous Water Management and Control, Department of Forestry and Natural Environment Management, Aristotle University of Thessaloniki, senior researcher (September 1984 - March 1991).
3. Laboratory of Hydrogeomorphology and Mountainous Water Control, Department of Forestry and Natural Environment Management, Eastern Macedonia and Thrace Institute of Technology, director (1991-today).

Areas of scientific research and expertise meet the fields of Anti-flood techniques, Natural Hazards (Mass Erosion, Rockfalling, Landsliding) monitoring, prevention and Management. He has also

developed different techniques for forecasting, measuring and monitoring the phenomena of erosion, degradation and desertification. Also specialist in the use of GIS for the analysis, interpretation and quantitative estimation of geomorphologic and hydrological parameters.

Other fields are: the study of the coastal procedure caused by the interaction between the sea and the land, with the use of the GIS, as well as the study of the stratigraphy and morphological evolution of lakeshores and shores of the mainland and the islands. The study of alluvial deposits in lakes, plains and sea-shores as well as the study of deltas' morphology, evolution and environment. The estimation via stochastic models or direct measurements of ephemeral flow in mountainous streams and the estimation of suspended load and bed load transported by the above streams.

Measurement and monitoring of erosion prevention and control of landslides and rockfalling, torrents and torrential rivers management, hydrological management of watersheds, water storage techniques in mountainous watersheds, snow and avalanche control. Moreover, the construction of small scale technical works, agrotechnical works as well as reforestation techniques for flood control in mountainous watersheds.

Finally, the analysis and management of manmade and natural disasters and technological risks.

The effects of the above mentioned phenomena to population and infrastructures.

The implementation of educational and training material for citizens awareness and preparedness before homicidal disasters and hazards.

#### **DISTINCTIONS:**

**October 2012**, Doctor Honoris Causa “Ingeniero de Montes de Honor”, Escuela Tecnica Superior de Montes, Universidad Politecnica de Madrid, Espana.

**May 2016 – today**, Director of uni Twin UNESCO Chair, entitled “Conservation and Management Riparian Ecosystems”, Acronym Con-E-ECT. (<http://unescochair.teiemt.gr>)

The content of the Chair is based on 4 pillars: Environmental Sciences, Education, Ecotourism and Culture. The scientific and academic staff of the Chair work during the last 4 years on the research and classification of material that is related to the effects which climate change has on Riparian and Deltaic Ecosystems, taking into consideration that they are the first to be affected, because of their immediate proximity to the sea and their imminent altitude difference with it. The Chair also works on the completion of research projects that focus on topics including, but not limited to, hydrology, management of deltas and riparian environments and protection of aquatic environments through continuous measurements and analysis. The Chair Con-E-Ect is self funded. During the last four years a total budget of more than 500 thousand dollars was available for the implementation of the scientific and social activities as a result of donations and funds to the Chair.

The last six months the Scientific and Academic staff of the Chair investigates the impact of Climate Change on the Ancient monuments of Greece, aiming to organize an International Conference by the end of May in the area of Ancient Philippoi, Macedonia. The results will be used for considering the impact of climate change on Ancient sites and monuments worldwide.

#### **FOREIGN LANGUAGES:**

Excellent knowledge of English, fluent Spanish, good knowledge of French

## **POSITIONS:**

**1994 – 2004:** Assistant Professor at Eastern Macedonia and Thrace Institute of Technology and Director of the Laboratory of Mountainous Water Management and Control & of Laboratory of Geology and Petrography, Department of Forestry, Eastern Macedonia and Thrace Institute of Technology, annex Drama, Greece.

**2004 – 2008:** Associate Professor at Eastern Macedonia and Thrace Institute of Technology and Director of the Laboratory of Mountainous Water Management and Control & of Laboratory of Geology and Petrography, Department of Forestry, Eastern Macedonia and Thrace Institute of Technology, annex Drama, Greece.

**2008 - 2019:** Professor at Eastern Macedonia and Thrace Institute of Technology and Director of the Laboratory of Mountainous Water Management and Control & of Laboratory of Geology and Petrography, Department of Forestry, Eastern Macedonia and Thrace Institute of Technology, annex Drama, Greece.

**2008 - 2017:** Vice-president of Eastern Macedonia and Thrace Institute of Technology, responsible for International and European Affairs. During this period the above mentioned Institute has signed more than 50 MOU and MOA with distinguished and top ranked Universities and Research Organizations from U.S., Western Europe, Russia and Asia.

**2012** Head of the Committee which appointed to distinguished Academics of Top Ranked US Universities the membership of Advisory Board in my University

**2012 - 2016:** Founder and Director of MSc Program entitled “Management of Water Resources in the Mediterranean”.

**2013 - today:** Member of the Greek National Committee for Water Management and Flood Protection of the Ministry of Environment.

**2015 - today:** Founder and Director of Interinstitutional Interdepartmental MSc Program entitled “Analysis and Management of Manmade and Natural Disasters” (<http://mandisastermsc.ihu.gr/>)

**2016 - today:** Chairholder of Con-E-Ect UNESCO Chair on Conservation and Ecotourism of Riparian and Deltaic Ecosystems.

**2017 - 2019:** Vice – Rector of Eastern Macedonia and Thrace Institute of Technology, Responsible for Administrative Affairs.

**2018 - today:** Founder and Director of MSc Program entitled “ Man and Water” (<http://manwater.teiemt.gr/>)

**7/5/2019- today:** Professor at International Hellenic University (IHU), Department of Forestry and Natural Environment, Drama, Greece

**7/5/2019- today:** Member of the Governing board of International Hellenic University, Greece

**7/5/2019- today:** Member of the Research, Development and Planning Committee of International Hellenic University

## **Coordinator in Funded Research Projects:**

1. 25/9/1996-25/6/1998: Scientific Coordinator of the Program “Study of stratigraphic and morphological evolution of deltaic deposits in lakes of Northern Greece”, Laboratory of Hydromorphology and Mountainous Water Control, TEI of Kavala.
2. 1/01/2001-31/12/2001: Scientific Coordinator of the joint research program «Quantitative estimation models of drainage basins degradation» with the Institute of water management and

- engineering ecology, Georgian academy of science (responsible Georgian side the academic Tsotne Mirtskhoulava), General Secretariat for Research and Technology
3. 04/01/2001-31/12/2002: Scientific Coordinator of the Programme "Water supply Network Management of Drama municipality urban area, with the help of GIS" Laboratory of Hydromorphology and Mountainous Water Control, TEI of Kavala.
  4. 24/02/2003-30/04/2004: Scientific Coordinator of the Programme "Environmental protection and sustainable development of NATURA 2000 areas - Paggaio mountain", Laboratory of Hydromorphology and Mountainous Water Control, TEI of Kavala.
  5. 1/06/2005-28/02/2007: Scientific Coordinator of the Programme "Quantitative assessment of erosion after fire in torrential basins of South. Rhodes", Laboratory of Hydromorphology and Mountainous Water Control, TEI of Kavala.
  6. 1/10/2005-31/04/2007: Scientific Coordinator of the Programme "Development of cross-border educational cooperation in the natural environment of Drama-Smolyan areas using modern technologies." Co-financed by the WB EU by 75% and the Greek State 25% in the framework of INTERREG IIIA / PHARE CBC Greece-Bulgaria.
  7. 1/06/2006-30/6/2008: Scientific Coordinator of the Programme «Integrated Development and Management of NATURA 2000 Protected Areas through Innovative Techniques in East Mediterranean». Under the framework of the INTERREG III B ARCHIMED.
  8. 01/08/2008 - 31/07/2010: Scientific Coordinator of the Programme "Pilot study and construction of range fire prevention and management systems" in Northern part of Jordanian territory, Middle East, under the framework of HELLENIC AID.
  9. 01/01/2010-31/08/2015 : Scientific Coordinator of the Programme “ Career Office and Liaison Services “, Eastern Macedonia and Thrace Institute of Technology.
  10. 07/04/2011-07/04/2014 : Scientific Coordinator of the Programme “A Monitoring System of Abiotic and Biotic Variables that Influence the Climatic and Edaphic Changes of Forested and Agricultural Areas”, funded by General Secretariat for Research and Technology, Greece
  11. 01/10/2012-31/11/2015: Scientific Coordinator of the Programme “Educational Activities in Natural Disasters with the Help of Digital Technologies”, funded by Hellenic Ministry of Development.
  12. 01/01/2012-31/12/2015: Scientific Coordinator of the Programme “Optimization of Torrential Water Used for the Suppression of Forest Fires with the Help of Innovative Technologies” under the framework of ARCHIMEDES III Project, Ministry of Education, Greece
  13. 01/01/2021-30/09/2022: Scientific Coordinator of the Programme “Training Platform For First Responders and Educational Tools for students’ and citizens’ awareness and preparedness against Natural and Manmade Disasters and Risks”, funded by EU under the framework of European Commission ECHO Directorate.
  14. 03/03/2022-02/09/2023: Scientific Coordinator of the Programme “Modern Tools for wildfires’ and Floods’ Risk punctual forecast and monitoring and innovative techniques for citizens’ safeguard awareness and preparedness”, funded by EU under the framework of Interreg IPA Cross-border Cooperation Programme “Greece - Republic of North Macedonia 2014-2020”

## PUBLICATIONS

### Doctoral Thesis

**Emmanouloudis D., 1990:** "*Natural deltaic landforms of the Greek Peninsula*", Department of Forestry & Natural Environment, Aristotle University of Thessaloniki

## **Books:**

1. **D. Emmanouloudis, 2001:** “Two- fold classification of greek torrents”, monography, special edition, TEI of Kavala, Greece.
2. J.F. Martin-Duquee, C.A. Brebbia, **D. Emmanouloudis** & U. Mander, **2006:** “*Evolution, Monitoring, Simulation, Management and Remediation of the Geological Environment and Landscape*”, WITpress, Southampton, Boston.
3. G. Lorenzini, C.A. Brebbia, **D. Emmanouloudis, 2006:** “*Preventing, Monitoring and Confronting Debris Flow phenomena*”, WITpress, Southampton, Boston.
4. **D. Emmanouloudis, 2007:** “*Environmental Education Courses with Emphasis on Rhodopes Complex*”. Drama, Greece (EU funded)
5. **D. Emmanouloudis**, J.L. García Rodríguez, G.N. Zaimes, M.C. Giménez Suárez, and E. Filippidis. **2011.** *Euro-Mediterranean torrents: Case studies on tools that can improve their management.*In: K.E. Richards (ed.) Mountain Ecosystems: Dynamics, Management and Conservation Nova Science Publishers
6. V. Iakovoglou, G.Zaimes, K. Ioannou, **D. Emmanouloudis, 2015** “Natural Heritage and Biodiveristy”, Chapter in Book “Management if Sustainable and Ecological Tourism” ETSI Montes UPM, SPAIN
7. M. Halaris, **D. Emmanouloudis**, J.C. Wen, Z.P. Wu, **2018.** *Novel approaches in Risk, Crisis and Disaster Management*, Natural Disaster Research Prediction and Mitigation, Nova Publishers
8. Schismenos, S., Zaimes, G.N., **Emmanouloudis, D.**, and Iakovoglou, V. (2017). The Importance of Riparian and Deltaic Ecosystems and the Contribution of Ecotourism for Sustainable Environments: A Literature Review. *UNESCO Chair on Conservation and Ecotourism of Riparian and Deltaic Ecosystems, Eastern Macedonia and Thrace, Institute of Technology*
9. Karma, S., **Emmanouloudis, D.**, Schismenos, S. and Chalaris, M. (2019). Challenges and Lessons Learned from Past Major Environmental Disasters Due to Technological or Wildland Urban Interface Fire Incidents. *United Nations Global Assessment Report on Disaster Risk Reduction 2019 (GAR19) Contributing Paper*, UNISDR, pp. 98-103
10. Schismenos, S., Stevens, G., Georgeou, N., **Emmanouloudis, D.**, Smith, A., and Wali, N. (2019). Localized Disaster Management and Community Development in Western Africa: Challenges and Opportunities in Nigeria. In: United Nations Major Group of Children and Youth, Youth Science Policy Interface Publication (Ed.) Special Edition: Disaster Risk Reduction: Moving Forward, Thinking Ahead
11. Schismenos, S., Stevens, G., **Emmanouloudis, D.**, Georgeou, N., Chalaris, M. and Smith, A. (2019). Local Disaster Vulnerability Analysis: An Approach to Identify Communities. In: United Nations Major Group of Children and Youth, Youth Science Policy Interface Publication (Ed.) Special Edition: Disaster Risk Reduction: Moving Forward, Thinking Ahead
12. Smith, A., Schismenos, S., Stevens, G., Hutton, L., Chalaris, M. and **Emmanouloudis, D.** (2019) Understanding Large-scale Fire Events: Megafires in Attica, Greece and California, USA. In: United Nations Major Group of Children and Youth, Youth Science Policy Interface Publication (Ed.) Special Edition: Disaster Risk Reduction: Moving Forward, Thinking Ahead
13. Spyros Schismenos, Dimitrios Emmanouloudis, Garry John Stevens, Apostolos Vasileiou, 2021 Torrential and Flash Flood Warning: General Overview and Uses of Localized Hydropower. Vol.3, Flood Handbook.

### Journals with SCI Index:

1. T. Pavlidis, K. Kotoulas, **D. Emmanouloudis**, 1989, “*Wildbachprobleme und Gegenmassnahmen im griechischen Hugelland*“ Osterreichische Forstzeitung. H. 11.89, pp. 47-50, Austria.
2. **D. Emmanouloudis**, E. Filippidis, F. Magdaleno, 2003, “*Una tecnica sig para el calculo del volumen de desprendimientos en el evento de Eptachori*” Montes, Revista de Ambito Forestal, Asociaciones y Colegios de Ingenieros de Montes e Ingenieros Tecnicos Forestales. Madrid, Espana, No 76, pp. 22-28.
3. A. Papadopoulos, I. Takos, **D. Emmanouloudis**, 2007, “*The sorption of water vapour of ELM wood chemically modified with acetic of maleic anhydride*”, Journal of International Research Publications, Volume I, Issue Technomat & Infotel.
4. **D. Emmanouloudis**, D. Myronidis, S. Panilas and I. Takos, 2007, “*Identify the effect of climate change on Nestos delta (N. Greece) by using remote sensing, water analysis and GIS techniques*”, Journal of International Research Publications. Volume II, Issue Ecology, p. 21-31
5. **D. Emmanouloudis**, D. Myronidis, K. Ioannou, 2007, “*Flood risk assessment on Thassos Island, by applying a multi-criteria analysis with the help of GIS*”, EPEGE, Greece, volume 2, pp 114-121
6. **D. Emmanouloudis**, D. Myronidis, M. Lambova and D. Tzanerikou, 2008, “*A paradigm of an integrated transboundary environmental education, training and technology transfer project*”, The Environmentalist, Volume 28, Issue 4, Pp 489-493
7. D. Myronidis, **D. Emmanouloudis**, G. Arampatzis, 2008, “*Research on the contribution of Small Hydroelectric Plants (SHP) as development projects to the energy balance of Greece*”, Journal of Environmental Protection and Ecology, Volume 9, Issue 3, pp 614-626
8. D. Myronidis and **D. Emmanouloudis**, 2008, “*A water balance model of the Natura 2000 protected area Nestos delta*”, Journal of engineering science and technology review, JESTR, Volume 1, Issue 1, Pp 45-48
9. D. Myronidis, **D. Emmanouloudis**, D. Stathis and P. Stefanidis, 2009, “*Integrated flood risk mapping in the framework of E.U. directive on the assessment and management of flood risks*”, Fresenius Environmental Bulletin, Volume 18, Issue 1, Pp 102-111
10. K. Christanis, St. Kalaitzidis, L. Loizou, **D. Emmanouloudis**, 2009, “*Small mire habitats in Troodos National Forest Park*”, Cyprus, Newsletter 2008/1 of International Mire conservation group
11. G. Mallinis, **D. Emmanouloudis**, V. Giannakopoulos, F. Maris, N. Koutsias, 2010, “*Mapping and interpreting historical land cover/land use changes in a Natura 2000 site using earth observational data: The case of Nestos delta, Greece*”, Applied Geography 31(1), pp 312-320
12. G.N., Zaimis, V. Iakovoglou, **D. Emmanouloudis** and D. Gounaridis, 2010, “*Riparian Areas of Greece: Their Definition and Characteristics*”. Journal of Engineering Science and Technology Review 3, pp.176-183
13. D., Myronidis, **D., Emmanouloudis**, I., Mitsopoulos, E., Riggos, 2010, “*Soil erosion potential after fire and rehabilitation treatments in Greece*”, Journal of Environmental Modeling Assessment, Volume 15, Issue 4, 2010, Pp 239-250

14. K., Kalampouka, G.N. Zaimes, and **D. Emmanouloudis**, 2011, “*Harmonizing Member State Water Policies to the EU Water Directive 2000/60/EU: The Case of Greece*”. International Journal of Geology 2, pp. 29-33.
15. G.N., Zaimes, D. Gounarids, V. Iakovoglou, and **D. Emmanouloudis**, 2011, “*Riparian area studies in Greece: A Literature review*”. Fresenius Environmental Bulletin 20, pp 470-1477.
16. G.N., Zaimes, **D. Emmanouloudis** and V. Iakovoglou, 2012, “*Estimating soil erosion in Natura 2000 areas located on three semi-arid Mediterranean islands*”, Journal of Environmental Biology 33, pp 277-282.
17. G.N., Zaimes, K., Kalampouka, and **D. Emmanouloudis**, 2012, “*The Scope of EGovernment in the European Union and Potential Applications to the Water Framework Directive*”, SosyoEkonomi 1, pp. 85-104.
18. G.N., Zaimes and **D.Emmanouloudis**, 2012, “*Sustainable Management of the Freshwater Resources of Greece*”. Journal of Engineering Science and Technology Review 5(1), pp. 77-82.
19. K., Ioannou, P. Lefakis, G.N. Zaimes, **D. Emmanouloudis**, 2013, “*Development of a Wireless Erosion Measuring Network*”, Procedia Technology, 8, pp. 520-525
20. S., Zibtsev, I. Mitsopoulos, G. Mallinis, B. Saglam, A. Borsuk, G.N. Zaimes, M. Yavuz, D. Galupa, **D. Emmanouloudis**, R. Uratu, R. Moisei and A. Ghulijanyan, 2013, “*Wild Land Fires in the Black Sea Region: Impact, Management and Needs for Innovative Technologies*”, Earth Bioresources and Life Quality (International Scientific Electronic Journal).
21. Kaziolas, D.N., Zygomalas, I., Stavroulakis, G.E., **Emmanouloudis, D.**, Baniotopoulos, C.C., 2013, Evolution of environmental sustainability for timber and steel construction, Smart Innovation, Systems and Technologies,22, pp25-33
22. Iakovoglou, V., Zaimes, G.N., **Emmanouloudis, D.**, Giordamlis, C., Kouris, P., 2014, Innovative use of sensors to collect, analyze and forecast abiotic factors in order to improve productivity, , , Acta Horticulturae 1054, pp. 341-350
23. Ioannou K, Emmanouloudis D, Lefakis P, Myronidis D, 2014, Design and Implementation of an environmental Network for the Requirements of a European Funded Research Project, International Journal App. Systemic Studies, Vol. 5, N.4, pp. 249-259
24. Zaimes, G.N., K. Ioannou, V. Iakovoglou, I. Kosmadakis, P. Koutalakis, G. Ranis, **D. Emmanouloudis**, R.C. Schultz. 2016. *Improving soil erosion prevention in Greece with new tools. Journal of Engineering Science and Technology Review* 9(2): 66-71
25. G. Zaimes, M. Tufecsioglou, A. Tufecsioglou, S. Zibtzev, R. Corobov, **D. Emmanouloudis**, R. Uratu, A.BORSUK, i. Trombitsky, 2016 “Transboundary Collaborations to Enhance Wildfire Suppression in Protected REAS OF THE Black Sea Region” Journal of Engineering Science and Technology Review, (9) (1), 2016, 108-114
26. Bourotzoglou, E., **Emmanouloudis, D.**, Georgopoulos, A., 2016, A Pedagogical Dimension to the Technocratic Problem of Water Management: PReschool Teacher Beliefs and Attitudes Towards Teaching Water Science and Sustainable Management of Water in the Context of Environmental Education, Journal of Engineering Science and Technology Review 9(2), pp. 129-137
27. Koutalakis, P., Vlachopoulou, A., **Emmanouloudis, D.**, and Zaimes, G.N., 2017. *Simulation of torrent discharge using SWAT and evaluation by field survey in Thasos Island. Journal of Engineering Science and Technology Review* 10(3): 7- 10

28. **D. Emmanouloudis**, G. Zaimis, V.Iakovoglou, **2017**, Unesco Chair Con-E-Ect, Promoting Conservation in Riparian and Deltaic Ecosystems, Procedia Environmental Science, Engineering and Management, 4, PP 235-243
29. Schismenos, S., Zaimis, G.N., Iakovoglou, V., and **Emmanouloudis, D. 2018**. Environmental sustainability and ecotourism of riparian and deltaic ecosystems: opportunities for rural Eastern Macedonia and Thrace, Greece. *International Journal of Environmental Studies*, DOI: 10.1080/00207233.2018.1510579
30. **D.Emmanouloudis**, S.Schismenos, **2019**, "Hydropower Applications for Early Warning Torrential and Flash Floods at the local level" Journal of Flood Engineering, Serial Publ. Ltd. (under Publication).
31. Spyros Schismenos, Antoine A. Smith, Garry J. Stevens, Dimitrios Emmanouloudis, 2020, Failure to lead on COVID-19: what went wrong with the United States? Emerald Insight at: <https://www.emerald.com/insight/2056-4929.htm>
32. Spyros Schismenos, Garry John Stevens, Dimitrios Emmanouloudis, Nichole Georgeou, Surendra Shrestha & Michail Chalaris. 2020. Humanitarian engineering and vulnerable communities: hydropower applications in localised flood response and sustainable development. *International Journal of Sustainable Energy*.
33. Stavros Solomos, Panagiotis T. Nastos, Dimitrios Emmanouloudis, Antonia Koutsouraki and Christos Zerefos, 2021 A Modeling Study on the Downslope Wind of "Katevatos" in Greece and Implications for the Battle of Arachova in 1826. *Atmosphere*.
34. Spyros Schismenos, Garry J. Stevens, Dimitrios Emmanouloudis, Nichole Georgeou, Surendra Shrestha & Nikolaos D. Katopodes 2021. Using off-grid hydropower for community-led flood resilience: an integrated systems approach. *International Journal of Sustainable Energy*.
35. K. Kravari, D. Emmanouloudis, E. Korka, A. Vlachopoulou, 2021. The contribution of Information Technologies to the protection of World Cultural and Natural Heritage Monuments "The case of Ancient Philippi, Greece". <https://SCI-cult.com/the-contribution-of-information-technologies-to-the-protection-of-world-cultural-and-natural-heritage-monuments-the-case-of-ancient-philippi-greece/>
36. E. Korka, **D. Emmanouloudis**, K. Kravari, N. Kokkinos, K. Dimitriadi, **2021**. "The Protection of Natural and Cultural Heritage Monuments, Museums and Archives from Risks: Bridging Artificial Intelligence, Risk Assessment and Stakeholders". [https://www.tmm-ch.com/tmm\\_ch2021/](https://www.tmm-ch.com/tmm_ch2021/).
37. Kalliopi Kravari, Elena Samourkasidou, Athanasios Kravaris, **Dimitrios Emmanouloudis**, Michail Chalaris, **2022**. "Planning, Challenges of Disaster Management and Resilience. NOVA SCIENCE PUBLISHERS, [https://www.researchgate.net/publication/359065218\\_PROCEEDINGS\\_OF\\_THE\\_INTERNATIONAL\\_CONFERENCE\\_ON\\_PLANNING\\_CHALLENGES\\_OF\\_DISASTER\\_MANAGEMENT\\_AND\\_RESILIENCE\\_ICPCDMR](https://www.researchgate.net/publication/359065218_PROCEEDINGS_OF_THE_INTERNATIONAL_CONFERENCE_ON_PLANNING_CHALLENGES_OF_DISASTER_MANAGEMENT_AND_RESILIENCE_ICPCDMR)
38. Kalliopi Kravari, Elena Samourkasidou, Dimitrios Emmanouloudis, Michail Chalaris, 2022. Training And Knowledge Sharing Platform For First Responders And Educational Tools For Students' And Citizens' Awareness And Preparedness Against Natural And Manmade Disasters And Risks. NOVA SCIENCE PUBLISHERS
39. Georgios Panagiotis Zaloumis, Aglaia Dimitrios Vlachopoulou, Dimitrios Argyrios Emmanouloudis, Chrysoula Leonidas Konteli, 2022. " Assessment of flood vulnerability in Thassos Island, Greece using G.I.S. and Multi Criteria Decision Analysis". *International journal " Water" MDPI*

#### **Indicative peer reviewed international conferences**

1. Doctoral Thesis



2. Emmanouloudis D., 1990: "Natural deltaic landforms of the Greek Peninsula", Department of Forestry & Natural Environment, Aristotle University of Thessaloniki

Books:

1. D. Emmanouloudis, 2001: "Two- fold classification of greek torrents", monography, special edition, TEI of Kavala, Greece.
2. J.F. Martin-Duque, C.A. Brebbia, D. Emmanouloudis & U. Mander, 2006: "Evolution, Monitoring, Simulation, Management and Remediation of the Geological Environment and Landscape", WITpress, Southampton, Boston.
3. G. Lorenzini, C.A. Brebbia, D. Emmanouloudis, 2006: "Preventing, Monitoring and Confronting Debris Flow phenomena", WITpress, Southampton, Boston.
4. D. Emmanouloudis, 2007: "Environmental Education Courses with Emphasis on Rhodopes Complex". Drama, Greece (EU funded)
5. D. Emmanouloudis, J.L. García Rodríguez, G.N. Zaimis, M.C. Giménez Suárez, and E. Filippidis. 2011. Euro-Mediterranean torrents: Case studies on tools that can improve their management. In: K.E. Richards (ed.) Mountain Ecosystems: Dynamics, Management and Conservation Nova Science Publishers
6. V. Iakovoglou, G. Zaimis, K. Ioannou, D. Emmanouloudis, 2015 "Natural Heritage and Biodiversity", Chapter in Book "Management of Sustainable and Ecological Tourism" ETSI Montes UPM, SPAIN
7. M. Halaris, D. Emmanouloudis, J.C. Wen, Z.P. Wu, 2018. Novel approaches in Risk, Crisis and Disaster Management, Natural Disaster Research Prediction and Mitigation, Nova Publishers
8. Schismenos, S., Zaimis, G.N., Emmanouloudis, D., and Iakovoglou, V. (2017). The Importance of Riparian and Deltaic Ecosystems and the Contribution of Ecotourism for Sustainable Environments: A Literature Review. UNESCO Chair on Conservation and Ecotourism of Riparian and Deltaic Ecosystems, Eastern Macedonia and Thrace, Institute of Technology
9. Karma, S., Emmanouloudis, D., Schismenos, S. and Chalaris, M. (2019). Challenges and Lessons Learned from Past Major Environmental Disasters Due to Technological or Wildland Urban Interface Fire Incidents. United Nations Global Assessment Report on Disaster Risk Reduction 2019 (GAR19) Contributing Paper, UNISDR, pp. 98-103
10. Schismenos, S., Stevens, G., Georgeou, N., Emmanouloudis, D., Smith, A., and Wali, N. (2019). Localized Disaster Management and Community Development in Western Africa: Challenges and Opportunities in Nigeria. In: United Nations Major Group of Children and Youth, Youth Science Policy Interface Publication (Ed.) Special Edition: Disaster Risk Reduction: Moving Forward, Thinking Ahead
11. Schismenos, S., Stevens, G., Emmanouloudis, D., Georgeou, N., Chalaris, M. and Smith, A. (2019). Local Disaster Vulnerability Analysis: An Approach to Identify Communities. In: United Nations Major Group of Children and Youth, Youth Science Policy Interface Publication (Ed.) Special Edition: Disaster Risk Reduction: Moving Forward, Thinking Ahead

12. Smith, A., Schismenos, S., Stevens, G., Hutton, L., Chalaris, M. and Emmanouloudis, D. (2019) Understanding Large-scale Fire Events: Megafires in Attica, Greece and California, USA. In: United Nations Major Group of Children and Youth, Youth Science Policy Interface Publication (Ed.) Special Edition: Disaster Risk Reduction: Moving Forward, Thinking Ahead
13. Spyros Schismenos, Dimitrios Emmanouloudis, Garry John Stevens, Apostolos Vasileiou, 2021 Torrential and Flash Flood Warning: General Overview and Uses of Localized Hydropower. Vol.3, Flood Handbook.

#### **Journals with SCI Index:**

1. T. Pavlidis, K. Kotoulas, D. Emmanouloudis, 1989, "Wildbachprobleme und Gegenmassnahmen im griechischen Hugelland" Osterreichische Forstzeitung. H. 11.89, pp. 47-50, Austria.
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## **OTHER PUBLICATIONS**

More than 150 publications, additional to the above, that concern Symposia, Local Conferences, Technical Meetings etc.

More than 500 Citations in Journals with SCI Index.

### **MEMBER OF SCIENTIFIC UNIONS:**

Geotechnical Chamber of Greece (ΓΕΩΤ.Ε.Ε.)

Greek Foresters Society (Ε.Δ.Ε.)

Greek Hydro technical Union (Ε.Υ.Ε.)

International Union of Forest Research Organizations (IUFRO)

International Association of Hydrological Sciences (IAHS)

International Commission on Continental Erosion (ICCE)

International Committee on Tracers (ICT)

International Association of Hydraulic (IAHR)

European Water Research Association (EWRA)

Mohamed Ali Research Center (MO.HA)

### **EDITOR and MEMBER OF EDITORIAL BOARD IN INTERNATIONAL JOURNALS:**

1. Journal "Water", MDPI, Guest Editor, Special Issue "Flood Risk and Response Management"
2. Member of the Editorial Board Journal "Energy Nexus"- Elsevier