

CURRICULUM VITAE

FIRST NAME: DIMITRIOS

FAMILY NAME: EMMANOULOUDIS

FATHER'S NAME: ARGIRIOS

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

PERMANENT HOME ADDRESS:

10 Pelopidas str, 66100

Drama, Greece

Work Tel: +302510462125,

Fax: +302510462148

e-mail: demmano@teikav.edu.gr

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.

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). 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.
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. Finally, 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.

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.

DISTINCTIONS :

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

FOREIGN LANGUAGES:

Very good knowledge of English and Spanish, good knowledge of French

TODAY'S CURRENT POSITION:

Since 2004: Permanent Full 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.

Since 2012: Director of MSc Program entitled “Management of Water Resources in the Mediterranean”.

Since 2008: 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.

Since 2013: Member of the National Committee for Water Management and Flood Protection of the Ministry of Environment- Greece.

TEACHING EXPERIENCE:

Academic year 1984-1985

Assistant Professor TEI of Thessaloniki. Teaching Module: River Management-Potamology at the School of Civil Engineering.

Academic years 1988-1989 and 1989-1990

Tutorials in the framework of the module Snow and avalanches - Glaciers, Forest Hydrology & Geomorphology at the Department of Forestry & Natural Environment, Aristotle University of Thessaloniki

Academic years 1991-1993

1. Assistant Professor TEI Kavala - teaching modules: Management of Mountainous Water I & II.
2. Assistant Professor TEI Larissa - teaching modules: Forest Hydrology, Management of Mountainous Water I & II.

Academic years 1993-1995

Permanent Lecturer at TEI Kavala.

1. Teaching Modules: Mountainous Water Management I and Control of Mountainous Waters II ; participation in the organization and the conduct of laboratory exercises in the above mentioned scientific fields.
2. Supervision and guidance of under-graduate theses
3. Organization of educational excursions on rivers, lakes and mountains in Greek peninsula.

Academic years 1995-1999

1. Teaching Modules: Mountainous Water Management I, Control of Mountainous Waters II, Geology-Petrography; participation in the organization and the conduct of laboratory exercises in the above mentioned scientific fields.
2. Supervision and guidance of graduate theses
3. Organization of educational excursions on rivers, lakes and mountains in Greek Peninsula.
5. Organization of Geology and Geomorphology rocks and minerals of the Museum of Natural History Department of Forestry Drama Division.

Academic years 1999-2000

1. Teaching Modules: Mountainous Water Management I, Control of Mountainous Waters II, Geology-Petrography; participation in the organization and the conduct of laboratory exercises in the above mentioned scientific fields.
2. Supervision and guidance of graduate theses
3. Organization of educational excursions on rivers, lakes and mountains in Greek Peninsula.
4. Teaching the course "Introduction to Hydrology" at the Aegean University, Department of Geography. (Spring semester).

5. Teaching Module: "Coastal Geomorphology - Coastal Management", at the Aegean University, Department of Geography.
6. Conduct of field exercises in rural watersheds of Lesvos Island in the framework of the Module "Introduction to Hydrology".

Academic year 2000-2006:

1. Teaching Modules: Mountainous Water Management I, Control of Mountainous Waters II, Geology-Petrography; participation in the organization and the conduct of laboratory exercises in the above mentioned scientific fields.
2. Supervision and guidance of graduate theses
3. Organization of educational excursions on rivers, lakes and mountains in Greek Peninsula.
4. Organization of Geology and Geomorphology rocks and minerals of the Museum of Natural History Department of Forestry Drama Division.
5. Organization of the new module "Engineering Hydrology" for the needs of the syllabus of the Department of Forestry and management of Natural Environment.
6. Organization of the new Module "Control Works of Mountainous Waters and Snow" for the needs of the new syllabus of the Department of Forestry and management of Natural Environment.
7. Organization of the new Module "Mountainous Hydrogeomorphology" for the needs of the new syllabus of the Department of Forestry and management of Natural Environment.
8. Supervision of more than 15 MSc theses under the framework of MSc Program "Water Management in Mediterranean".

PARTICIPATION IN NATIONAL RESEARCH PROGRAMMES:

1. "Management and control of the torrential problem in Theodorianna community", Arta, Epirus, Greece, Lab. DOY, AUTH, 1984
2. "Principles and systems of Kossynthos river management", Lab DOY, AUTH, 1986
3. "Alluvial fans and deltaic environment analysis of Kastoria lake shoreline, Lab DOY, AUTH, 1987.
4. "Granulometric analysis of Vistonis lake shoreline", Lab DOY, AUTH, 1989
5. "Bed Morphology of Lake Kastoria tributaries and bed morphology evolution Polyanthos River", Lab DOY, AUTH, 1989.
6. "Alluviation phenomena and artificial deltaic environments in water reservoirs of Greek Peninsula", Lab DOY, AUTH, 1989.
7. "Snow and avalanches study in the mountainous part of Northern Greece", Lab DOY, AUTH, 1990
8. "Mountainous watersheds morphology of Thassos Island", Lab DOY, AUTH, 1990.
9. "Study of environmental factors in Acheron river drainage basin", Lab DOY, AUTH, 1990

During the period 1984-1990 as associate researcher of the Laboratory of Management of

Mountainous Waters, AUTH, in charge of the cooperation with the EEC : contacts; information materials and forms for submitting programs from corresponding DGs (12th etc.) in Brussels; selection of pre-letters of interest; recommendation in plenary of the Sector of AUTH; preparation of submission forms ; monitoring further developments.

Participation in International Research Projects:

1. MEDMOND: «Tools for evaluation investment in the mountain Mediter-ranean areas». An integrated sustainable Framework. 5th Framework, DG-Research (QLRT-2000-01031) (2001-2004). Scientific Coordinator: B. Kazana, Assistant Professor TEI of Kavala
2. GOVERNET: «Governance models for sustainable integrated rural development and multifunctional agriculture; networking and dissemination on the web INTERREG III B CASES, Contract No: 2B083 (2004-2006). Scientific Coordinator: B. Kazana, Assistant Professor TEI of Kavala

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 Tsoetne 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 - Paggaiio 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

Participation in Programs EPEAEK:

1. Participation as a member of the training committee of the EPEAEK program "Curricula" of the Department of Forestry and Management of Natural Environment, Drama; coordinator Professor N. Avtzis.

2. Head of the Department of Forestry Drama Liaison Office since November 2001-2006.

PUBLICATIONS

BOOKS:

Doctoral Thesis

1. **Emmanouloudis D., 1990:** "*Natural deltaic landforms of the Greek Peninsula*" Department of Forestry & Natural Environment, Aristotle University of Thessaloniki
2. **D. Emmanouloudis, 2001:** "*Two- fold classification of greek torrents*", monography, special edition, TEI of Kavala, Greece.
3. 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.
4. G. Lorenzini, C.A. Brebbia, **D. Emmanouloudis, 2006:** "*Preventing, Monitoring and Confronting Debris Flow phenomena*", WITpress, Southampton, Boston.
5. **D. Emmanouloudis, 2007:** "*Environmental Education Courses with Emphasis on Rhodopes Complex*". Drama, Greece (EU funded)
6. **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

JOURNALS WITH SCI INDEX:

7. T. Pavlidis, K. Kotoulas, **D. Emmanouloudis**, 1989, “*Wildbachprobleme und Gegenmassnahmen im griechischen Hugelland*“ Osterreichische Forstzeitung. H. 11.89, pp. 47-50, Austria.
8. **D. Emmanouloudis**, E. Filippidis, F. Magdaleno, 2003, “*Una tecnica sig para el calcudo 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.
9. 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.
10. **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
11. **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
12. **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
13. 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
14. 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
15. 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
16. 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
17. 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*”

18. G.N., Zaimes, 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
19. 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
20. 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.
21. G.N., Zaimes, D. Gounaridis, V. Iakovoglou, and **D. Emmanouloudis**, **2011**, “*Riparian area studies in Greece: A Literature review*”. Fresenius Environmental Bulletin 20, pp 470-1477.
22. 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.
23. G.N., Zaimes, K., Kalampouka, and **D. Emmanouloudis**, **2012**, “*The Scope of E-Government in the European Union and Potential Applications to the Water Framework Directive*”, SosyoEkonomi 1, pp. 85-104.
24. 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.
25. K., Ioannou, P. Lefakis, G.N. Zaimes, **D. Emmanouloudis**, **2013**, “*Development of a Wireless Erosion Measuring Network*”, Procedia Technology, 8, pp. 520-525
26. 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).
27. 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

PEER REVIEWED INTERNATIONAL CONFERENCES

28. **D., Emmanouloudis, 1992:** «*Criteria for determining the current activity of torrents in their depositional areas*», Symposium for Erosion Debris Flows and Environment in Mountain Regions, IAHS 209 pp. 41-50, 2-4 July, Chengdu, China.
29. **D., Emmanouloudis, 1992:** «*Mean bed slope and mean watershed slope of a Torrent. A combined factor of long- term torrential activity*», IUFRO Cetennial 1892 - 1992, Subject Group S 1.04-00, Berlin, Germany.
30. **D., Emmanouloudis, T., Pavlidis, 1995:** «*The cause and the Me-chanism of the Homicidal Flood in Eleftheres, Kavala, Northern Greece*», IUFRO 20th World Congress, proc,pp. 131-140, 6-8 August, Tambere, Filand.

- 31. D., Emmanouloudis, 1996:** «*A different approach to soil sinking in the area of Kalohori, Sindos*», Proceedings of International Conference ‘‘Water Deadlock’’, Sustainable solutions to water demand, 4-5 December, Thessaloniki, pp 98-109.
- 32. D., Emmanouloudis, E., Filippidis, 1998,** «*Protection system of mountainous watersheds through a quantitative estimation model of their degradation*», Proceedings of International Conference: ‘‘Protection and Restoration of the Environment IV’’, July 1-4, Sani, Chalkidiki, Eds. Katsifarakis K.L., Korfiatis G.P., Mylopoulos Y.A., and Demetrakopoulos A.C., Department of Civil Engineering, A.U.Th., pp. 751-759.
- 33. D., Emmanouloudis, E., Filippidis, 1999,** «*Modified quantitative estimation model of erosion and degradation in four mountainous basins*», Proceedings of International Union of Geodesy and Geophysics (IUGG) 99 Symposium HS4 ‘‘Integrated Methods in Catchment Hydrology – Tracer, Remote Sensing and New Hydrometric Techniques’’ Eds. Leibundgut C., Mc Donnell J., and Schultz G., IAHS Publication. pp 275-279.
- 34. D. Emmanouloudis, E. Filippidis, 2000,** «*A G.I.S technique for volume calculation of Eptachori rockfalls, Macedonia, Greece*», Proceedings of International Conference ‘‘Protection and Restoration of the Environment V’’, July 1-4, Thassos, Greece, eds. Tsihrintzis V.A., Korfiatis G.P., Katsifarakis K.L., and Demetrakopoulos A.C., Department of Environmental Engineering, Democritus University of Thrace, Vol. I, pp 429-435.
- 35. D. Emmanouloudis, O. Christou, E. Filippidis, 2001,** «*Quantitative estimation of Aliakmon basin degradation through the use of G.I.S.*», Proceedings of International Conference: ‘‘Ecological Protection of the Planet Earth I’’, June 5-8, Xanthi, Greece, eds. Tsihrintzis V.A., Tsalides P., Department of Environmental Engineering, Democritus University of Thrace, Vol. I, pp.159-166.
- 36. D. Emmanouloudis, T. Takos, T. Merou, E. Filippidis, 2001,** «*The contribution of watershed management to integrated flood protection of the Athens basin. An example: the torrent of Chalandri*», Proceedings of 3rd International Conference: ‘‘Ecosystems and Sustainable Development III’’, June 6-8, Alicante, Spain, eds. Villacampa Y., Brebbia C.A., and Uso J.L., Wessex Institute of Technology, WIT Press, Vol. 10, ISBN: 1-85312-871-6, pp.269-281.
- 37. D. Emmanouloudis, I. Takos, I. Spanos, 2002,** «*Evolution of the erosive process after a watershed fire: An example: Prinós torrent, Thassos island, Greece*», Proceedings of 3rd International Conference: ‘‘Risk Analysis III’’, eds. Brebbia C.A., Wessex Institute of Technology, WIT Press, England, pp.265-276.
- 38. D. Emmanouloudis, T. Pavlidis, E. Filippidis, A. Tsioukas, 2002,** «*The contribution of surface water management to the solution of soil sinking problems*», Proceedings of 5th International Conference: ‘‘Water Resources Management in the era of transition’’, September 4-8, Athens, Greece, European Water Resources Association, pp. 346-355.
- 39. D. Emmanouloudis, O. Christou, E. Filippidis, 2003,** «*Quantitative estimation of degradation in the Aliakmon River basin using GIS*», Proceedings of International Conference, ‘‘Erosion Prediction in Ungauged Basins (PUBs) Integrating Methods and Techniques’’. Eds. Dirk H. de Boer, Wojciech Froehlich, Takahisa Mizuzama & Alain Pie-troniro, IAHS Publication 279, December 2003, England. pp. 234-240

40. T. Pavlidis, **D. Emmanouloudis**, J.L. Rodriguez, E. Filippidis, **2003**: «*Analysis and interpretation of the flood activity mechanism of the Fourka chalkidiki torrent after fire*», International Association of Hydraulic Engineering and Research, Proceedings of XXX IAHR Congress, 24-29 August 2003, Thessaloniki, eds. Ganoulis J., Prinos P., Maksimovic C., Kaleris V., Aristotle University of Thessaloniki, Vol II pp. 881-889, Greece.
41. G. Efthimiou, A. Mertzanis, **D. Emmanouloudis**, **2003**, «*Direct and indirect Human-Made Impact on the Natural Ecosystems of the river Nestos*», Proceedings of the First International Conference on Environmental Research and Assessment Buckarest, March 23-27, Romania. pp.38-45
42. J.L. Garcia Rodriguez, **D. Emmanouloudis**, A. M. Jabardo Manas, O.E. Sobrino, **2003**: «*Influence of drainages in Urban watersheds*», Application to arroyo perales (Las rozas, Madrid). XI Congreso Mundial del Agua IWRA, Madrid (Octubre 2003).
43. **D. Emmanouloudis**, E. Filippidis, **2004**, «*Erosion phenomena associated with man-made and surface water influences on the SW slopes of Hortiatis Mountain*», Thessaloniki, Greece. International Symposium on “Sediment Transfer through the Fluvial System”, IAHS, ICCE, Moscow State University, August 2-6, 2004, Moscow, Russia.
44. G. Efthimiou, A. Mertzanis, **D. Emmanouloudis**, **2003**, A. Tsioukas, **2003**: «*Methods and control techniques of manmade impacts in natural ecosystems of Nestos River Delta*”, International Congress HELLECO, Athens January 2003
45. **D. Emmanouloudis**, A. Tsioukas, E. Filippidis, **2004**, «*Evaluation of a basin’s water balance with GIS and a system of torrent management works as for an aesthetic aquatic forest restoration*», 5th International Symposium on Ecohydraulics, 12th-17th September, 2004, Madrid, Spain.
46. **D. Emmanouloudis**, M. Kaikis, **2005**, «*Torrential streams water management in the shale watersheds of extremely arid areas – An example: Amorgos Isl Cyclades*», Greece, Water Resources Management, Wessex Institute of Technology, Alicante, Spain.
47. I. Mitsopoulos, **D. Emmanouloudis**, G. Efthimiou, **2005**, «*Wildfire Effects on Hydrological Processes and Watershed Basin Conditions*»: A State of Knowledge Review. In: G. Ravailov, G. Gergov, I.Raev, I. Marinov and E. Ravailova (eds.) Proceedings of International Conference on Forest Impact on Hydrological Processes and Soil Erosion. 5-8 October 2005, Yundola, Bulgaria pp.173-181.
48. **D. Emmanouloudis**, **2005**, «*The role of snow-melting in the aquatic-balance of Metsovo region, Epirus, Greece*». Scientific Assembly of the International Association of Meteorology and Atmospheric Sciences of the International Union of Geodesy and Geophysics (IAMAS 2005) 2-11 August 2005, Beijing, China
49. A. Gkaraveli, **D. Emmanouloudis**, A. Papadopoulos, **2006**, «*GIS Applications in Management and Mapping of Natural Ecosystems*», Proceedings of the International Conference on “Sustainable Management and Development of Mountainous and Island Areas”. pp 234-240
50. **D. Emmanouloudis**, M. Kaikis, **2006**, «*Modified quantitative estimation model of erosion and degradation in three mountainous watersheds*», Wessex Institute of Technology, Alicante, Spain, pp 253-262

51. **D. Emmanouloudis**, M. Kaikis, **2006**, «*The cause and mechanism of the fatal flood in Eleftheres, Kavala, Northern Greece*», Wessex Institute of Technology, Alicante, Spain. Pp 195-204
52. **D. Emmanouloudis**, D. Myronidis, S. Panilas, G. Efthimiou, **2006**, «*The role of sediments in the dynamics and preservation of the aquatic forest in the Nestos delta (N. Greece)*», Sediment Dynamics and the Hydromorphology of Fluvial Systems (Proceedings of a symposium held in Dundee, UK, July 2006). IAHS Publ. Vol. 306, pp 214-222
53. D. Myronidis, **D. Emmanouloudis**, **2006**, «*Integrated evaluation of floodplain hazard of maries settlement (n. Greece) by using the watershed modeling system (wms)*», International Conference: “Hydrological Hazards”, INHGA, 6-8 November, Bucharest, Rumania, pp. 11-12
54. L. Manousis, D. Myronidis, G. Zaimis, **D. Emmanouloudis**, **2006**, «*Evaluation of trans-boundary water affairs between GREECE and FYROM under the E.U. water framework directive*», ICASALS International Conference: “Water in arid and semiarid lands: innovative approaches and informed decision-making”, Lubbock, Texas, 15 –17 November, USA
55. D. Myronidis, P. Stefanidis, **D. Emmanouloudis**, **2007**, «*Development of integrated hydrological menu in the ArcGIS Environment by Using visual Basic for applications and arcobjects*», International Hydrological association, Perugia 2-13 July
56. **D. Emmanouloudis**, D. Myronidis, Z. Rupetsova and M. Lambova, **2007**, «*An integrated transboundary water education, training and technology transfer project between Greece and Bulgaria*», International Symposium on New Directions in Urban Water Management, 12-14 September 2007, UNESCO Paris pp. 84
57. **D. Emmanouloudis**, A. Tsioukas, G. Zaimis, D. Myronidis, **2008**, «*Development of a Prototype System of Torrent Managment for Restoration of a Unique Aquatic Forest*», SWCS Annual Conference: “Hydrology, Climate Change and the Bio-economy”, 26-30 July Tucson, Arizona.
58. K.,Kalampouka, G.N. Zaimis, and **D. Emmanouloudis**. **2011**. *Harmonizing Member State Water Policies to the EU Water Directive 2000/60/EU: The Case of Greece*. Recent researches in hydrology, geology and continuum mechanics. 6th IASME / WSEAS International Conference on water resources, hydraulics & hydrology (WHH '11) February 23-25, 2011, Cambridge, UK. pp.95-100.
59. G.N., Zaimis, D. Gounaridis, V. Iakovoglou, and **D. Emmanouloudis**, **2012**, *Assessing soil erosion risk for Rhodes Island, Greece with a GIS-based multi-criteria decision analysis*. Proceedings of the IASTED International Conference Water Resource Management (AfricaWRM 2012) September 3 - 5, 2012 Gaborone, Botswana, Africa, pp 317-324
60. G.N., Zaimis, M. Yavuz, S. Zibtsev, R. Corobov, A. Ghulijanyan, R. Uratu, B. Saglam, D. Galupa, C. Soare, G. Syrodov, I. Trombitsky, **D. Emmanouloudis** and D. Kaziolas. **2013**. *Streams-2-SUPPRESS-Fires Neighborhood Network (S2SF-NN)*. The Black Sea Basin Programme is co-financed by the European Union through the European Neighborhood and Partnership Instrument and the Instrument for Pre-Accession Assistance. pp. 79.

Available at: <http://suppressfires.eu/images/NN/initial.pdf>

61. G.N., Zaimes, D. Kaziolas, K. Ioannou, V. Iakovoglou & **D. Emmanouloudis** (editors). **2013**, *Book of Abstracts for the 1st International Workshop for the “STREAMS-2-SUPPRESS-FIRES-Utilizing Stream Waters in the Suppression of Forest Fires with the help of New Technologies” Project. Titled: Innovations in Fire Suppression.*
62. G.N., Zaimes, M. Tufekcioglu, A. Tufekcioglu, S. Zibtsev, D. Kaziolas, M. Yavuz, I. Trombitsky, **D. Emmanouloudis**, R. Uratu, A. Ghulijanyan and A. Borsuk. *Innovative and Sustainable Use of Stream Water to Suppress Fires in Protected Areas: Overview of the Streams-2-SUPPRESS-Fires Project.* International Caucasian Forestry Symposium. 24-26 October, **2013**, Artvin, Turkey.
63. V., Iakovoglou, A. Koutsoumis, G.N. Zaimes and **D. Emmanouloudis**, **2013**, *Using the Stream Visual Assessment Protocol (SVAP) to Evaluate the Streams and their Riparian Areas of Lake Volvi in Greece.* International Caucasian Forestry Symposium. 24-26 October, 2013, Artvin, Turkey.
64. G.N., Zaimes, M. Tufekcioglu, M. Yavuz, S. Zibtsev, D. Kaziolas, R. Corobov, **D. Emmanouloudis**, R. Uratu, A. Ghulijanyan, A. Borsuk and I. Trombitsky, **2014**, *Developing a Holistic and Complete Approach for Wildfire Suppression for the Black Sea Region.* International Forest Fire Conference in Black Sea Region, November 6-8, 2014, Kastamonu, Turkey.
65. G.N., Zaimes, D. Kaziolas, K. Ioannou, V. Iakovoglou & **D. Emmanouloudis** (editors), **2015**, *Book of Abstracts for the International Conference: Frontiers in Environmental and Water Management. Kavala Greece.*

NATIONAL CONFERENCES

66. **D. Emmanouloudis**, D. Emmanouilidis, L. Mentis, **1993**, « *Quantitative relations between geology, relief and Hydrographic Systems in Fracto Virgin Forest*», Drama, Proceedings Conference-GCG TCG Management Utilization of Water Resources Pref. Dramas, pp. 142-155, May 22, Drama.
67. **D. Emmanouloudis**, E. Filippidis, **1997**, « *Quantitative estimation of torrents basins degradation with the help of GIS*» Proceedings of the Panhellenic Conference Forest Research Institute on the use and evaluation of GIS in Forestry, p. 79 -88, 12-13 September, Thessaloniki.
68. **D. Emmanouloudis**, E. Filippidis, **1997**, « *A Comparative analysis of morphometric features calculation in torrential streams watersheds*» Proceedings of the 7th Congress Greek Hydrotechnical Association, pp. 19-27, October 18, Patra.
69. **D. Emmanouloudis**, I. Takos, E. Filippidis, **1997**, « *Water storage in shales watersheds of arid areas. A paradigm : Aegiali, Amorgos Island*” Proceedings of Congress “ Archipelago Technologies” Department of Automation, TEI of Piraeus, Greece, pp. 165-172, October 22-24, Piraeus.

70. **D. Emmanouloudis, 1997**, « *Hydrology – Hydrogeology of Central and Western Rhodopi complex*», Proceedings of the 1st Thematic Conference ENAE “The forests of Greece”, 6-8 November, Drama.
71. **D. Emmanouloudis, K. Koletsos, I Takos., 1998**, « *Surface erosion and micro-landslides phenomena in forest roads. Mechanisms and methods of protection. An example: Forest Dabizas, Arnaia*», "8th Panhellenic Forestry Conference, pp. 616-623, April 6-8 1998, Alexandroupolis.
72. I. Takos, E. Filippidis, K. Koletsos, **D. Emmanouloudis, 2000**, « *ecological impacts from a multi-purpose dam construction and imagery with the help of 3D presentation techniques*». Proceedings of the 9th Panhellenic Conference on Forestry, , pp. 403-412, October 17-20, Kozani.
73. **D. Emmanouloudis, E. Filippidis, I. Takos, 2001**, « *Water resources as a tool of agricultural, touristic and energy development in the territory of Epirus region*», Proceedings of the 1st International Scientific Conference on The Prospects development of the less developed regions of Europe, pp. 678-689, May 24-25, Preveza.
74. **D. Emmanouloudis, E. Filippidis, I. Takos, A. Tsioukas, A. Mantzavelas, 2002**, « *Restoration of aesthetic aquatic forest of Apollonia by using irrigation systems of torrential water storage*» Proceedings of the 10th-Panhellenic Forestry Congress, pp. 396-405, May 26-29, Tripoli.
75. A. Efremidis, D. Mironidis, **D. Emmanouloudis, 2006**, « *The flood effect of Strymon River tributaries along its plain flow*», 10th National Congress of the Greek Hydrotechnical Association, Xanthi, pp. 55-62.
76. D. Mironidis, **D. Emmanouloudis, D. Fotakis, K. John B. Ringas, C. Siotis, 2007**, «*Quantitative degradation assessment in mountain basins and measures to minimize the impact*», 13th Panhellenic Forestry Conference, 7-10 October 2007, Kastoria
77. D. Fotakis, E. Sidiropoulos, C. Tziafas, **D. Emmanouloudis, D. Myronidis, B. Ringas, C. Siotis, 2007**, «*Assessment of soil erosion risk on Sithonia peninsula using the USLE formula*», 13th Panhellenic Forestry Conference, 7-10 October 2007, Kastoria

ARTICLES IN NEWSPAPER MAGAZINES

78. **D., Emmanouloudis, 1995**, "Who is to blame for the floods?" Article in newspaper *Evdomi*, March 1995, Kavala.
79. **D., Emmanouloudis 1996**, "Erosion and floods after a fire in South Thassos". Colloquium on environmental degradation, 27-29 July Thassos. Magazine KAZAVITIANA '96., Pp 35-40.
80. **D., Emmanouloudis, 1997**, Article about the World Forestry Day in the newspaper *Angelioforos*, March 1997. Thes / niki.
81. **D., Emmanouloudis, 2002**, Article on Geology and typology of Gibraltar. Magazine *To Trito Mati*, Athens, Volume 38, 2002

PRODUCTION OF EDUCATIONAL MATERIAL FOR MULTIMEDIA APPLICATIONS

1. **D. Emmanouloudis**, E. Filippidis, **1998**, "*Torrents and torrential beds. Hydrology - Water Control - Management and Water Utilization*", Educational CD-ROM for multimedia applications. TEI of Kavala, "Curricula".
2. **D. Emmanouloudis**, E. Filippidis, **1999**, "two-fold classification of Greek torrents. a.) Through morphometric indicators b) through 3-D models", Educational CD-ROM for multimedia applications. TEI of Kavala.
3. **D. Emmanouloudis**, D. Myronidis, K. Vidakis, A. Tsioukas, I. Mitsopoulos, **2007**, "*Modern environmental education techniques and environmental e-pedia of Rodopi mountain*". Series of educative CD-ROM in two languages for multimedia applications in Public primary and secondary schools of Greece and Bulgaria. INTERREG IIIA / PHARE CBC Greece-Bulgary «Development of transboundary educational cooperation in the natural environment of Drama-Smolyan areas using modern technologies." Drama.

TEACHING NOTES

1. **D. Emmanouloudis**, **1992**, "Maountainous water Management ". Teaching notes TEI Kavala, pp. 152, Kavala.
2. **D. Emmanouloudis**, **2000**, "Coastal Geomorphology and Coastal Management." Teaching Notes, Department of Geography, University of the Aegean.
3. **D. Emmanouloudis**, **2004**, "Engineering Hydrology" Choice of notes, Department of Forestry TEI Kavala.

CITATIONS

More than 200 citations in various SCI Journals, Articles, Conference proceedings, books. A number of them is appeared in the relevant Scopus list.

CONFERENCES PARTICIPATION

Chairman and President of the organizing or scientific committee in more than 20 National and International Conferences and Congresses.

EVALUATION REPORTS IN EU FUNDED PROJECTS

Kazana V., Kazaklis A., Takos, I., Merou T., **Emmanouloudis D.**, Avtzis N., Lazaridou M., Panteli M. Georgiou K. Skrettas I., **2004**, The GOVERNET description of study areas and of repre-sentative cases: The Halkidiki case study, GOVERNET WP2 report, Veneto Region, Mestre, Italy pp 58, www.governet.gr.

Kazana V, Kazaklis A, Avtzis N., Boutsimea A, Georgiou K., Ge-rofoka P., **Emmanouloudis D.**, Kazazou A., Merou T., Lazaridou M., Takos I., **2005**, Analysis of spatial, socio-economic and institutional impacts: The Halkidiki study area, GOVERNET WP3 scientific report, Veneto Region, Mestre, Italy, pp 86, www.governet.gr.

Emmanouloudis D., Karniadaki D., Cobelo L., **2006**, The ManagMed description of under and research study areas WP1 report, www.managmed.gr.

Emmanouloudis D., Karniadaki D., D' Angelo V., Cobelo L., **2006**, The ManagMed preliminary Studies of research areas WP2 report, www.managmed.gr.

Kazana V. and Kazaklis A., Boutsimea A, Georgiou K., Apostoli-dou E., Avtzis N., **Emmanouloudis D.**, Merou T., Lazaridou M., Takos I., **2006**, Operational Governance Models of rural development through cooperation/competition: The Halkidiki study area. GOVERNET WP4 Report, Veneto Region, Mestre, Italy, pp 90, www.governet.gr.

Emmanouloudis D., Ioannou K., **2007**, WP3 Intermediate technical report, www.managmed.gr.

Christanis K., **Emmanouloudis D.**, **2007**, Stratigraphy analysis of the under research areas, Project ManagMed. Intermediate technical report, www.managmed.gr.

Myronidis D., **Emmanouloudis D.**, **2007**, Erosion in situ measurements of the under research areas, Project ManagMed WP5.1. Intermediate technical report www.managmed.gr.

Panilas S., **Emmanouloudis D.**, **2007**, Water Quality and Desalination of the under research areas, Project ManagMed WP5.2, Intermediate technical report www.managmed.gr.

Kazana V., Kazaklis A., Takos I., Merou T., **Emmanouloudis D.**, Avtzis N., Lazaridou M., Apostolidou E., Partalidou M., Vafiadis M., Vardakis G., Boutsimea A., Georgiou K., **2007**, Integrated rural sustainable development - Models Simulation and Validation: GOVERNET Scientific WP5 Report, Veneto Region, Mestre, Italy, www.governet.gr.

FINANCED RESEARCH PROGRAMS:

Coordinator of 12 international projects financed from International funding protocols like INTERREG, ENPI, CADSES, ARCHIMED, BLACKSEA, Hellenicaid, etc. Total budget of the above mentioned projects over than 5.000.000 Euros.

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)