

George N. Zaimes

Assistant Professor

Specialization "Management of Mountainous Waters, Management of Riparian Areas and Geomorphology"

Department of Forestry and Natural Environment Management,
Eastern Macedonia and Thrace Institute of Technology (EMaTTech)

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Deputy Chair

Department of Forestry and Natural Environment Management,
Eastern Macedonia and Thrace Institute of Technology (EMaTTech)

UNESCO CHAIR Con-E-Ect

On the Conservation and Ecotourism of Riparian and Deltaic Ecosystems

and

Associate

School Of Natural Resources and Environment, University of Arizona,

I. Education - Degrees

- Ph.D.** Department of Natural Resources Ecology and Management, Iowa State University, Ames, IA, USA, December 2004.
Dissertation: *Land-use practice impacts on stream bank erosion with an emphasis on grazing practices in three Iowa regions*
- M.S.** Department of Forestry. Iowa State University. Ames, IA, USA, December 1999.
Thesis: *Streambank erosion adjacent to different riparian land-use practices and stream patterns along Bear creek in north central Iowa*
- B.S.** Department of Forestry, Iowa State University. Ames, IA, USA, May 1997.
- Ptyhio** Department of Forestry, Technological Educational Institute of Kavala, Drama Annex, Greece. Spring, 1995.

Academic Distinctions

- Second place in poster competition among PhD candidates for the Society for Range Management Conference in 2004.
- Scholarship from the Hellenic Link – Midwest. A Cultural and Scientific Link with Greece in 2002.
- President of the Forestry Honor Society Xi Sigma Pi, Iowa State University, 1997-1999.
- President of the Forestry Graduate Student Association, Iowa State University, 1998-1999.
- Highest grade of all undergraduates of the Department of Forestry, Iowa State University, 1996-1997.
- Graduate with honors for the Bachelor of Science (B.S.), Iowa State University spring 1997
- First place in the Upper Midwest Capstone Course Competition to 1997.
- Dean's List every semester 1995-1997 for the Bachelors at Iowa State University

II. Research Interest

Management and restoration of riparian areas, water pollution, non-point pollutants, urbanization and riparian areas, urbanization and water quality, urbanization and climate change, conservation practices for soil protection, management and control of mountainous water, climate change and the hydrological cycle, flood management, drought management, hydrological modeling, watershed management, streams restoration, climate change and riparian areas, urbanization and streams, management of terrestrial ecosystems, management of semi-aquatic ecosystems, management of urban natural ecosystems, surface, rill gully and stream bank, fluvial geomorphology, ecohydrology, protected areas.

III. Professional Experiences

Employer	Position	City	Dates of Employment
EMaTTech	Assistant Professor	Drama, Greece	10/2016- until today
EMaTTech	Senior Lecturer	Drama, Greece	10/2010- 10/2016
TEI Kavallas	Research Assistant	Drama, Greece	03/2008- 09/2010
Univ. of Arizona	Associate	Tucson, USA	02/2009- until today
Univ. of Arizona	Extension Specialist/ Assistant Professor	Tucson, USA	01/2005- 01/2009
Iowa State Univ.	Research Assistant	Ames, USA	08/1997-12/2004

Editorial Board of Journal

- 2014 Journal of Sustainability & Environmental Management (JoSEM)
- 2009 The Open Journal of Hydrology

Reviewer for International Scientific Journal

- 2016 – until today Journal of Environmental Management, Desalination and Water Treatment, Journal of Environmental Informatics
- 2015 – until today River Research and Applications, Transactions in GIS, Aegean Journal of Environmental Sciences, Water,
- 2014 – until today Agriculture, Ecosystems and Environment, Environmental Engineering and Management Journal, Ecological Indicators
- 2013 – until today Turkish-Journal of Agriculture and Forestry, Environmental Earth Sciences, Canadian Journal of Soil Science, Journal of Environmental Biology, Polish Journal of Environmental Studies,
- 2012 – until today Journal of Earth System Science, Riparian Ecology and Conservation
- 2011 – until today Fresenius Environmental Bulletin, Physical Geography, Journal of Natural Resources and Life Sciences Education
- 2010 – until today Agroforestry Systems, Forest Ecology and Management
- 2009 – until today Water Resources Management,
- 2008 – until today Catena, Earth Surfaces Processes and Landforms, Restoration Ecology, Hydrological Processes
- 2007 – until today Journal of Soil and Water Conservation
- 2006 – until today Water Resources Research, Scientia Agricola
- 2005 – until today Journal of the American Water Resources Association

Funded Projects – Project Manager and Coordinator

1. 2015. 100% responsible. FROM: Operational Programme "Education and Lifelong Learning" (EdLL) of the National Strategic Reference Framework (NSRF) 2007-2013. Action «Aristia II» AMOUNT: 114,810 €. Title: Management and Prevention of Soil Erosion through an Integrated Information System (Acronym: MaP-Erosion).

2. 2014. 100% responsible from EMaTTech. FROM: European Union - Erasmus Multilateral Project 2014. EMaTTech AMOUNT 44,185 €. Title: *MSc Degree on Management of Sustainable and Ecological Tourism (MEST)*, 539517-LLP-1-2013-1-ES-ERASMUS-EKA. International EU project with ETSI Montes - Universidad Politécnica de Madrid, (UPM) the lead partner of the project.
3. 2014. 100% responsible. FROM: IKYDA 2014 AMOUNT: 10,000 €. Title: *Climate change and anthropogenic impacts on the surface water resources and the riparian ecosystem of the Nestos Delta* (Acronym: NESTOS-Water).
4. 2013. 100% responsible. FROM: European Union - Black Sea Basin Joint Operational Programme 2007 – 2013 AMOUNT: 851,249.41 €. Title: *Streams-2-SUPPRESS-Fires - Utilizing Stream Waters in the Suppression of Forest Fires with the Help of New Technologies*
5. 2007. 30% responsible. FROM: National Learning Center for Private Forest and Range Land Owners AMOUNT \$14,842. Title: *Watershed Function and Water Conservation for Range Management*). Co-responsible: T. Crimmins and A. Thwaites.
6. 2007. 25% responsible. FROM: Institute for the Study of Planet Earth (ISPE). Translational Science Fellowship AMOUNT \$15,000. Title: *Altar Wash Restoration Project*). Co-responsible: T. Sheridan.
7. 2007. 5% responsible. FROM: Institute for the Study of Planet Earth (ISPE). Translational Science Fellowship AMOUNT \$15,302. Title: *Translating Climate Variability Information for Use by Watershed Managers through Process-Sensitive Upscaling*. Co-responsible: K. K. Hirschboeck, M. Crimmins and C. Jones.
8. 2006. 60% responsible. FROM: United States Environmental Protection Agency Wetlands Program Development Region IX AMOUNT \$157,907. Title: *Characterization of Microclimate and Vegetation Structure within Riparian Areas along Urbanized and Non-urbanized Ephemeral Streams*. Co-responsible: M. Crimmins.
9. 2006. 40% responsible. FROM: TRIF Fund Water Sustainability Program. University of Arizona Grant Proposal AMOUNT \$41,469. Title: *On-line Access to Distance-Learning Tools for Watershed Stewardship in Rural Arizona*). Co-responsible: R.M. Emanuel, G.J. Forger, and M. Crimmins.
10. 2006. 30% responsible. FROM: TRIF Fund Anyplace Access for Arizonans Program. University of Arizona Grant Proposal AMOUNT \$76,363. Title: *On-line Access to Distance-Learning Tools for Watershed Stewardship in Rural Arizona*. Co-responsible: R.M. Emanuel, G.J. Forger, and M. Crimmins.
11. 2006. 100% responsible. FROM: Renewable Resources Extension Grant AMOUNT \$72,000. Title: *Classification, Assessment and Management of Riparian Areas Associated with Upland Rangeland Watersheds (Desert Shrub to Alpine Forest)*.
12. 2006. 33% responsible. FROM CALS Cooperative Extension AMOUNT \$6,000. Title: *Climate and Natural Resources Working Group and State Initiative*. Co-responsible: C. Jones and M. Crimmins.
13. 2006. 34% responsible. FROM: CALS Cooperative Extension AMOUNT \$3,000. Title: *Using State and Transition Models for Range Management under a Changing Climate*. Co-responsible: M. Crimmins and C. Jones.
14. 2006. 100% responsible. FROM: Arizona Department of Environmental Quality AMOUNT 259,820. Τίτλος: *Arizona Master Watershed Steward Program (MWS)*.
15. 2005. 100% responsible. FROM: Agricultural Experiment Station Project AMOUNT \$14,100. Title: *Grazing Management Practices to Sustain Healthy Riparian Areas and Proper Monitoring Protocols of Arizona*.
16. 2005. 70% responsible. FROM: Renewable Resources Extension Act AMOUNT \$10,000. Title: *Importance and Uses of Riparian Areas in Arizona*. Co-responsible: K. McReynolds, J. Sprinkle, J. Schalaus, B. Hutchinson, M. Nichols, R. Grumbles, and C. Jones.
17. 2005. 100% responsible. FROM: Faculty Small Grant Proposal AMOUNT \$7,881. Title: *Healthy riparian areas; what grazing practices are compatible*.
18. 2003. 75% responsible. FROM: North Central Region Sustainable Agriculture Research and Education AMOUNT \$ 10,000. Title: *Are Livestock Grazing and Healthy Streams Compatible? Livestock Grazing Systems that Reduce Erosion and Improve Stream Bank Stability*. Co-responsible: Richard Schultz.

Subcontracts for Research Projects

1. 2008. For the period 01/07/2008-31/10/2008 AMOUNT 3,000 €. Title: *Integrated Development and Management of NATURA 2000 Protected Areas through Innovative Techniques in East Mediterranean.*
2. 2010. For the period 01/01/2010-30/06/2013 AMOUNT 5,250 €. Title: *INFORM – Building a Structured Indicator Based Knowledge System for Sustainable Forest Policy & Management (code 09-E-005).* (Παραστ. 9α)
3. 2011. For the period 07/04/2011-06/10/2013 AMOUNT 5,000 €. Title: *VALASIA - Monitoring System of Biotic and Abiotic Factors that Influence Soil and Climate Changes of Forested and Agricultural Areas.*
4. 2011. For the period 01/01/2012-30/04/2013 AMOUNT 5,000 €. Title: *Education in Natural Disaster under the Prism of Digital Technologies.*
5. 2012. For the period 1/3/2012-30/6/2014 AMOUNT 11,200 €. Title: *Torrents-STOP-Fires - Optimizing the Use of Torrent Waters in the Suppression of Forest Fires with the Help of New Technologies.*

Professional and Scientific organization

- 2007 – Arizona Hydrological Society, Alliance of Natural Resources Outreach and Service programs.
- 2006 – NRCS Conservation Security Program Subcommittee, Arizona-Nevada Academy of Science, Arizona Riparian Council.
- 2005 – Arizona Section Society of American Foresters, Arizona Section Society for Range Management, Arizona Agriculture Extension Association, Association of Natural Resource Extension Professionals, American Water Resource Association, International Society for Range Management
- 2004 – Sigma Xi The Scientific Research Society
- 1998 – Society of American Foresters, Iowa Society of American Foresters
- 1997 – Gamma Sigma Delta Honor Society, Xi Sigma Pi Honor Society, Phi Kappa Phi Honor Society

IV. EDUCATIONAL EXPERIENCE

Lecturer and Assistant Professor - Department of Forestry and Natural Environment Management, EMaTTech.

Responsible for and teaching the following **undergraduate courses**:

11/10/10-until today

- Mountainous Hydrogeomorphology
- Technical Hydrology
- Mountainous Water Control Works
- Snow Management

04/03/2013-until today

- Forest Soil Science
- Computer Applications in Forestry

Teaching the following **undergraduate course**:

01/10/2014-until today

- Forest Biometrics II

Graduate course (01/10/2012 -until today) in the MSc program titled Management Water Resources in the Mediterranean.

The courses are taught in both English and Greek.

Website: <http://www.medwatermsc.gr/>

Responsible and teaching the following graduate courses:

- Fall Semester (2012 - 2014) Protected Areas and Water Scarcity
- Fall Semester (2015 - today)- Ecohydrology and Protected Areas
- Spring Semester (2012 today) - Flood and Drought Cycles, Implications on Management

For the MSc program titled Analysis and Management of Anthropogenic and Natural Disasters

Website: <http://mandisastermsc.teiemt.gr/>

- Spring Semester (2016 – today) - Natural Disaster and Dangers II

Academic Advisor (01/10/2012 30/09/2014) and **Vice-Director** (01/10/2014 - 31/07/2015) of the MSc program titled Management Water Resources in the Mediterranean.

Research Assistant Department of Forestry and Natural Environment Management, EMaTTech. Teaching the following undergraduate course:

- Spring 2008. Mountainous Hydrogeomorphology, Technical Hydrology, Small Structures to Control Mountainous Waters
- Academic Years 2008-2009, 2009-2010. Mountainous Hydrogeomorphology, Small Structures to Control Mountainous Waters and Snow Management.

Extension Specialist/Assistant Professor School of Natural Resources, University of Arizona, Tucson, USA.

- Spring Semester 2007 - Responsible for the RNR 696A, School of Natural Resources Seminar -

Supervisor of MSc students

Active Graduate Students.

at the Department of Natural Environment Management (EMaTTech) – MSc in “Management of Water Resources in the Mediterranean”

- Georgios Spanou, MSc Thesis Title: *Spatiotemporal Analysis of Drought in the Island of Cyprus*
- Georgios Ranis, MSc Thesis Title: *Riparian vegetation dynamics analysis using Vegetation Indices time - series data, in Nestos River Greece.*
- Nikolaos Topalidis, MSc Thesis Title: *Application of the Water Erosion Prediction Project (WEPP) hydrologic model to predict soil erosion and surface runoff of watersheds of Kilkis prefecture*
- Anna Sahpazi, MSc Thesis Title: *Recording the stream network and investigating flood risk of Drama City*
- Iordanis Kasapidis, MSc Thesis Title: *Hydrologic mathematical model to estimate evapotranspiration in relation to vegetation coupled with Geographical Information System for Thasos Island, Greece.*
- Vasilios Karydas, MSc Thesis Title: *Survey and Evaluation Of Floods In Serres Prefecture, Greece.*
- Dimitrios Nikoglou, MSc Thesis Title: *The ecological use of artificial wetlands for the biological cleaning of waste water.*

At the Department of Natural Environment Management (EMaTTech) and Hellenic Fire Academy – MSc in the “Analysis and Management of Anthropogenic and Natural Disasters”

- Leonidas Stamatis MSc Thesis Title: *Monitoring of floods using Remote Sensing and Geographic Information Systems: The case of the Tennagi of Philippi*

that have graduated.

while at the Department of Natural Environment Management (EMaTTech) – MSc in “Management of Water Resources in the Mediterranean”

- Evangelos Gialamas, MSc Thesis Title: *Evaluation and utilization of ephemeral streams flow on farms, in the watershed of Orfanou in Kavala, Greece.*
- Paschalis Koutalakis, MSc Thesis Title: *Watershed management with the application of the SWAT model and GIS tools. Case study: The “Natura 2000” area of Menoikio Mountain, North Greece.*
- Neoklis Manikas, MSc Thesis Title: *Riparian Area habitats impacts on the abundance on Dragonflies (Odonata) that are indicators of healthy aquatic ecosystems.*
- Dimitris Syropoulos, MSc Thesis Title: *Evaluation of the riparian and geofluvial habitats along main tributaries of Nestos River and their influence on biotic factors.*
- Stavros Dimopoulos, MSc Thesis Title: *Implementation of HEC-RAS model to identify and mitigate flooding phenomena in Arapitsa River in Naoussa, Greece*
- Dimitris Filiadis, MSc Thesis Title: *Evaluation of the flood risk in the suburban catchment of Kavala, in relation to land use changes and wildfire events.*
- Margaritis Margaritopoulos MSc Thesis Title: *Recording the hydrographic network changes of Kavala City; current and future implications.*
- Pavlos Kiourtziadis, MSc Thesis Title: *Estimation of the habitat quality of riparian area with the of the QBR and SVAP protocols*

Committee Member of MSc Thesis or PhD Dissertation.

Active Graduate Students.

- Paschalis Koutalakis, PhD Dissertation Title (Department of Marine Sciences, University of the Aegean): *Development of a Image Velocimetry and methodology to detect geomorphologic changes of rivers based videos and images received from an Unmanned Aerial Vehicle (UAV).*
- Dimitrios Menemenlis MSc Thesis Title (MSc in the Analysis and Management of Anthropogenic and Natural Disasters): *Flood risk assessment using simulation models in watershed of artificial dam of Lefkogia on South Nevrokopi of Drama.*
- Eleni Loukaki-Gkountara, MSc Thesis Title (MSc in the Management of Water Resources in the Mediterranean): *The study of torrential problems with the usage of Artificial Neural Networks and Geographic Information Systems.*
- Eleni Plevra, MSc Thesis Title (MSc in the Management of Water Resources in the Mediterranean): *Investigation of the effectiveness of the level of e-learning education, in the raising of awareness of the rational water management by female population and especially of ages from 30-45 years old in urban environment.*

while at the Department of Natural Environment Management (EMaTTech) – MSc in “Management of Water Resources in the Mediterranean”.

that have graduated.

- Ioulia Apostolou, MSc Thesis Title: *Control of physicochemical parameters and heavy metals in potable water in the county of Kavala.*
- Ioannis Dimitriadis, MSc Thesis Title: *Development of a multi-criteria tool to evaluate the water consumption in irrigated agriculture in Greece.*
- Aglaia Vlachopoulou, MSc Thesis Title: *The contribution of hydro-informatics to the refilling capacity evaluation of small reservoirs under semi arid conditions.*

- Aikaterini Siropli, MSc Thesis Title: *Water Resources Management in the Mediterranean: Morphological and physiological variables of Mediterranean woody species and their root growth potential (RGP) under various water conditions.*
- Apostolia Papagera, MSc Thesis Title: *Simulation of water allocation using new technologies.*
- Ioanna Ikoniadou, MSc Thesis Title: *Construction techniques and technical works for sustainable management of water resources in the urban environment; Case study a public school in Greece.*
- Aikaterini Niovi Zarkada, MSc Thesis Title: *A multidisciplinary evaluation of constructed wetlands: a framework for effectiveness assessment.*
- Elisavet Tombazidou, MSc Thesis Title: *Reverse osmosis water desalination using fossil fuel and renewable energy sources.*
- Lazaros Kosmatopoulos, MSc Thesis Title: *Spatial placing of a small Hydropower Plant within an ungauged watershed using G.I.S., hydrologic model SWAT and CFSR climate forecast model. Case study: Ekaterini's stream in Kozani Prefecture.*
- Stelios Triandafylidis, MSc Thesis Title: *Using maxent to predict the distribution of a typical riparian species: Applications in environmental conservation and management.*
- Fotios Baxevanis, MSc Thesis Title: *Development of a dynamic website for the presentation of Hydrologic Geoinformation. The case of Thasos Island.*
- Dimitris Liolios, MSc Thesis Title: *Sustainable management of natural resources and utilization of renewable energy resources in a hotel unit.*
- Anna Nousia, MSc Thesis Title: *Utilization of rainwater, in winter planting lettuce in greenhouses aiming to reduce the salinity of the soil.*
- Evmorfili Kokkinou, MSc Thesis Title: *Physiological Response of Watering Pretreated Seedlings of Myrtus Communis and Rosmarinus Officinalis.*

while at the University of Arizona.

- K. Ver Weire, M.S. Watershed Resources, School Of Natural Resources, University of Arizona. Thesis title: *The relationships between runoff curve numbers and the NRCS Hydrologic soil group classification.*
- D. S. Fernández-Reynoso Ph.D. Watershed Resources, School Of Natural Resources, University of Arizona. Dissertation Title: *Evaluation of sustainable agriculture systems in Central Mexico.*
- Brendan Yuill, Ph.D. Watershed Resources, School Of Natural Resources, University of Arizona. Thesis title: *Supply, sorting and transport of sediment in a low-order, ephemeral watershed.*
- David Seibert, Ph.D. Department of Anthropology, University of Arizona. Dissertation title: *For our own good: The production and governance of people and place in a borderlands watershed.*
- Amy H. Hutmacher M.S. Department of Applied Biological Sciences, Arizona State University, Polytechnic Campus. Thesis title: *Characterization of vegetation decomposition rates within riparian area along urbanized and non-urbanized ephemeral streams.*
- J. Martin, M.S. Watershed Resources, School Of Natural Resources, University of Arizona. Thesis title: *Characterization of microclimate and vegetation structure within riparian areas of ephemeral streams along urbanized and non-urbanized.*

Development of Educational Web-Modules

- *Arizona's Riparian Areas* Available at: <http://ag.arizona.edu/extension/riparian/index.html>
- *Arizona Master Watershed Steward online learning modules.*
Developed with Crimmins, T., G. Forger, C. Rupperecht, and M. Crimmins.
Available at: <http://ag.arizona.edu/watershedsteward/resources/module/>

V. CONFERENCES - WORKSHOPS

Conferences (Chair)

- **Title of Conference:** *Frontiers In Environmental and Water Management*. City: Kavala, Greece. Dates: May 19-21, 2015.
- **Title of Conference:** *The Dynamic Nature and Natural Diversity of Riparian Areas*. City: Camp Verde Arizona. Dates: November 8-9, 2007.
- **Title of Conference:** *Riparian Vegetation Monitoring Methods – Some Application and Interpretations for Habitat Management and Restoration*. City: Springerville, Arizona, Dates: August 8-10, 2007. Organized with Mr. Medina, USDA-Rocky Mountain Research Station and Dr. Sprinkle, University of Arizona
- **Title of Conference:** *Climate and Riparian Areas Workshop: Connecting the Dots*. City: Casa Grande Arizona. Dates: April 11-13, 2007. Organized with Mr. Jones and Dr. Crimmins, University of Arizona
- **Title of Conference:** *Grazing management for riparian-wetland areas*. City: Patagonia, Arizona. Dates: March 9-11, 2006. Organized with Dr. Ruyle, University of Arizona

Conference (Organizing Committee)

- **Title of Conference:** *Western Region County Agent's Professional Improvement Conference*. City: Tucson, Arizona. Dates: October 24-25, 2007

Conferences (Scientific Committee)

- **Title of Conference:** *International Forestry Symposium*. City: Kastamonu, Turkey. Dates: September 7-10, 2016
- **Title of Conference:** *The Sixth IASTED African Conference on Environment and Water Resource Management ~AfricaEWRM 2014~ Science and Technology*. City: Gaborone, Botswana. Dates: September 5-7, 2016
- **Title of Conference:** *SafeEvros*. City: Alexandroupoli, Greece. Dates: June 22-25, 2016.
- **Title of Conference:** *International Water Conference 2016 on Water Resource in Arid areas: The Way Forward*. City: Muscat, Oman. Dates: March 13-16, 2016.
- **Title of Conference:** *Frontiers In Environmental and Water Management*. City: Kavala, Greece. Dates: May 19-21, 2016
- **Title of Conference:** *International Forest Fire Conference in Black Sea Region*. City: Kastamonu, Turkey. Dates: November 6-8, 2014
- **Title of Conference:** *The Fifth IASTED African Conference on Environment and Water Resource Management ~AfricaEWRM 2014~ Science and Technology*. City: Gaborone, Botswana. Dates: September 1-3, 2014
- **Title of Conference:** *The Fourth IASTED African Conference on Water Resource Management ~AfricaWRM 2012~ Science and Technology - A Platform for Sustainable Development*. City: Gaborone, Botswana. Dates: 3-5 September, 2012

Workshops (Organized)

- **Title of Workshop:** *MSc Programme in Ecological and Sustainable Tourism*. Co-organized with Dr. Martin και Dr. Iakovoglou. City: Drama, Greece. Date: 28/05/15
- **Title of Workshop:** *Innovations in Fire Suppression*. Co-organized with D. Kaziolas, K. Ioannou, V. Iakovoglou & D. Emmanouloudis. City: Drama, Greece. Date: 17-18/10/13
- **Title of Workshop:** *Understanding Arizona Riparian Areas*. The same workshop was helped in nine counties of Arizona: Cochise on 18/10/05, Yavapai on 28/10/05, Gila on 15/11/05, Coconino on 28/02/06, Graham on 03/03/06, Santa Cruz on 02/05/06, Mohave on 10/05/06, Navajo on 19/4/07 and Apache on 19/11/07

- **Title of Workshop:** *Urbanization in Arizona: Protecting our Riparian Areas*. Co-organized with Dr. Kurc και Dr. Lohse, University of Arizona. City: Tucson, Arizona, HIIA. Date: 17/11/07

Workshops (Presentations)

- **Title of Workshop:** *3rd International Workshop for the “STREAMS-2-SUPPRESS-FIRES” – “Utilizing Stream Waters in the Suppression of Forest Fires with the help of New Technologies”*. **Title of Presentation:** Forest fires in the Black Sea Region. Current situation and approaches of prevention and suppression. City: Chisinau, Moldova. Date: 03/02/06.
- **Title of Workshop:** *2nd International Workshop for the “STREAMS-2-SUPPRESS-FIRES-Utilizing Stream Waters in the Suppression of Forest Fires with the help of New Technologies” Project. GEODATABASE: PREPARATIOAN AND MAINTENANCE*. **Title of Presentation:** “STREAMS-2-SUPPRESS-FIRES-Utilizing Stream Waters in the Suppression of Forest Fires with the help of New Technologies” Project. City: Yerevan, Αρμενία. Date: 18/06/14
- **Title of Workshop:** *2nd International Workshop for the “STREAMS-2-SUPPRESS-FIRES-Utilizing Stream Waters in the Suppression of Forest Fires with the help of New Technologies” Project. GEODATABASE: PREPARATIOAN AND MAINTENANCE*. **Title of Presentation:** "Developing a Geodatabase for Menoikio Mountain, Greece to Enhance Wildfire Suppression and Water Management". City: Zikatar, Armenia. Date: 19/06/14
- **Title of Workshop:** *Innovations in Fire Suppression*. **Title of Presentation:** "Watershed Basics." City: Drama, Greece. Date: 17-18/10/13
- **Title of Workshop:** *Master Watershed Stewards*. **Title of Presentation:** Watershed basics. City: Phoenix, Arizona. Date: 03/02/06
- **Title of Workshop:** *Master Watershed Stewards*. **Title of Presentation:** Stream processes. Cities and Dates: Tucson, Arizona, 22/09/05, Flagstaff, Arizona, 20/10/05, Bullhead City, Arizona, 01/11/05, Globe, Arizona, 31/01/06, Show Low, Arizona, 29/06/06, Flagstaff, Arizona, 12/10/06, Kingman, Arizona, 01/11/06, Phoenix, Arizona, 25/01/07, Flagstaff, Arizona, 11/10/07 and Tucson, Arizona, 1/30/08
- **Title of Workshop:** *Master Watershed Stewards*. **Title of Presentation:** Riparian areas introduction. Cities and Dates: Prescott, Arizona, 04/05/06, Cascabel, Arizona, 09/05/06 and Willcox, Arizona, 01/08/07
- **Title of Workshop:** *Connections: People and the Environment. Discovering Arizona’s Transition Zone*. Organized by the Association for Environmental Educators (AAEE). **Title of Presentation:** Riparian walk. Presentation with Bob Del Carlo, National Park Service. City: Camp Verde, Arizona. Date: 06/06/06
- **Title of Workshop:** *Connections: People and the Environment. Discovering Arizona’s Transition Zone*. Organized by the Association for Environmental Educators (AAEE). **Title of Presentation:** Verde Watershed Tour. Presentation with Kerry Schwartz, Jeff Schalau και Wade Albrecht, University of Arizona. City: Camp Verde, Arizona. Date: 06/06/06
- **Title of Workshop:** Riparian areas and Climate Change. City: Phoenix, Arizona. Date: 07/31/07

VI. PUBLICATIONS

EDITOR

1. **Zaimes, G.** 2007. Hydrology and Water Resources in: Arizona and the Southwest. Proceedings from the 2006 meeting of the hydrology section of the Arizona-Nevada Academy of Science.
2. **Zaimes G.N.** 2007. *Understanding Arizona’s Riparian Areas*. University of Arizona Cooperative Extension, Publication # AZ1432.
Available at: <http://cals.arizona.edu/pubs/natresources/az1432.pdf>

Book Chapters (with reviewers)

3. Zaimes, G.N, K-H. Lee, M. Tufekcioglu, L.A. Long, R.C. Schultz, T.M. Isenhardt. 2011. *The Effectiveness of Riparian Conservation Practices in Reducing Sediment in Iowa Streams*. In: B.P. Hendriks (ed.) *Agricultural Research Updates*. Volume 2 Nova Science Publishers, Inc. ISBN 978-1-61470-191-0
4. Emmanouloudis D., 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, Inc. ISBN 978-1-61209-306-2
5. **Zaimes G.** 2007. *Defining Arizona's Riparian Areas and their Importance to the Landscape*. In: Zaimes G. (editor), *Understanding Arizona's Riparian Areas*. University of Arizona Cooperative Extension, Publication # AZ1432. pp.1-13.
Available at: <http://cals.arizona.edu/pubs/natresources/az1432.pdf>
6. **Zaimes G.**, M. Nichols, and D. Green. 2007. *Characterization of riparian areas*. In: Zaimes G. (editor), *Understanding Arizona's Riparian Areas*. University of Arizona Cooperative Extension, Publication # AZ1432. pp. 15-29.
Available at: <http://cals.arizona.edu/pubs/natresources/az1432.pdf>
7. **Zaimes G.** 2007. *Human alteration to riparian areas*. In: Zaimes G. (editor), *Understanding Arizona's Riparian Areas*. University of Arizona Cooperative Extension, Publication # AZ1432. pp. 83-109.
Available at: <http://cals.arizona.edu/pubs/natresources/az1432.pdf>

International Scientific Journals

8. Koutalakis, P., **Zaimes, G.N.**, Ioannou K., and Iakovoglou V. 2016. *Application of the SWAT model on torrents of the Menoikio, Greece*. *Fresenius Environmental Bulletin* (accepted)
9. Mitsopoulos, I., Mallinis, G., Zibtsev, S., Yavuz, M., Saglam, S., Kucuk, O., Bogomolov, V., Borsuk, A., **Zaimes, G.**, 2016. An integrated approach for mapping fire suppression difficulty in three different ecosystems of Eastern Europe. *Journal of Spatial Science* 1-17. DOI:10.1080/14498596.2016.1169952
10. **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
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