

Γεώργιος Ζαΐμης



Αναπληρωτής Καθηγητής
Ειδίκευση "Διαχείριση Ρεμάτων και Παρόχθιων Περιοχών"



Διευθυντής
Εργαστήριο Γεωμορφολογίας, Εδαφολογίας και Παρόχθιων Περιοχών (GERi Lab)
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I. Εκπαίδευση - Πτυχία

- Ph.D.** Department of Natural Resources Ecology and Management, Iowa State University, Ames, IA, ΗΠΑ, Δεκέμβριο 2004.
Διδακτορική Διατριβή: *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, ΗΠΑ, December 1999.
Μεταπτυχιακή Διατριβή: *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, ΗΠΑ, Μάϊο 1997.
Πτυχίο Τμήμα Δασοπονίας, Τεχνολογικό Εκπαιδευτικό Ίδρυμα Καβάλας, Παράρτημα Δράμας, Ελλάδα, Άνοιξη, 1995.

II. Ερευνητικά Ενδιαφέροντα

Βιώσιμη διαχείριση των υδάτινων πόρων, διαχείριση και αποκατάσταση παρόχθιων περιοχών, κλιματική αλλαγή και παρόχθιες περιοχές, διαχείριση περιοδικών και εφήμερων ρεμάτων/χειμάρρων, λύσεις βασισμένες στη φύση, οικοσυστημικές προσεγγίσεις, ρύπανση των υδάτων, μη σημειακοί ρύποι, αστικοποίηση και παρόχθιες περιοχές, αστικοποίηση και ποιότητα νερού, αστικοποίηση και κλιματική αλλαγή, βελτιστές πρακτικές για την προστασία του εδάφους, διαχείριση και έλεγχος των ορεινών υδάτων, κλιματική αλλαγή και υδρολογικός κύκλος, διαχείριση πλημμυρών, διαχείριση ξηρασίας, υδρολογικά μοντέλα διαχείριση λεκανών απορροής, αποκατάσταση ρεμάτων, αστικοποίηση και ρέματα, διαχείριση χειρσαίων οικοσυστημάτων, διαχείριση ημιυδατικών οικοσυστημάτων, διαχείριση αστικών φυσικών οικοσυστημάτων, επιφανειακή και πλανητική διάβρωση, γεωμορφολογία ποταμών, οικοϋδρολογία, προστατευόμενες περιοχές

III. Επαγγελματική Εμπειρία

Εργοδότης	Θέση	Πόλη	Dates of Employment
ΔΠΠΑΕ	Αν. Καθηγητής	Δράμα, Ελλάδα	06/2021- μέχρι σήμερα
ΔΠΠΑΕ	Επ. Καθηγητής	Δράμα, Ελλάδα	05/2019- 06/2021
ΤΕΙ Αν. Μακ. Θρακ.	Επ. Καθηγητής	Δράμα, Ελλάδα	10/2016- 05/2019
ΤΕΙ Αν. Μακ. Θρακ.	Καθ. Εφαρμογών	Δράμα, Ελλάδα	10/2010- 10/2016
ΤΕΙ Καβάλας	Ερευνητικός Συνεργάτης	Δράμα, Ελλάδα	03/2008- 09/2010
Univ. of Arizona	Συνεργάτης Καθηγητής	Tucson, USA	02/2009- μέχρι σήμερα
Univ. of Arizona	Επ. Καθηγητής	Tucson, USA	01/2005- 01/2009
Iowa State Univ.	Ερευνητικός Συνεργάτης	Ames, USA	08/1997-12/2004

Επιμέλεια Διεθνών Επιστημονικών Περιοδικών

- Journal of Environmental Biology,
- International Journal of Environmental Studies,
- Kastamonu University Journal of Forestry Faculty,
- Environmental Chemical Engineering
- Sustainability

Επιτροπή Αξιολογητών Επιστημονικών Περιοδικών

- Water

Guest Editor Ειδικό Τεύχος

- Sustainability – Special Issue "Sustainable Management of Semi-aquatic Ecosystems"
- Sustainability – Special Issue " Assessment and Sustainable Management of Riparian Ecosystems"

Αξιολογητής σε Διεθνή Επιστημονικά Περιοδικά (επιλεγμένα)

Renewable & Sustainable Energy, Applied Sciences, Ecological Indicators, Remote Sensing, Science of the Total Environment, Sustainability, Journal of Environmental Management, Land Degradation & Development, River Research and Applications, Water, Agriculture, Ecosystems and Environment, Sustainability, Land

Προγράμματα – Επιστημονικός Υπεύθυνος (σύνολο 25) (επιλεγμένα)

1. 2021. Φορέας: European Union - Mundus. Προϋπολογισμός: 55.000 €. Τίτλος: *Erasmus Mundus Integrated Master in Hydro-InfoGraphics for Mediterranean and arid environments*. International EU project with IHU the lead partner of the project.
2. 2020. Φορέας: European Union - Black Sea Basin Joint Operational Programme 2014 – 2020. Προϋπολογισμός: 907,135.00 €. Τίτλος: *Protect-Streams-4-Sea - Protecting streams for a clean Black Sea by reducing sediment and litter pollution with joint innovative monitoring and control tools and nature-based practices* IHU the lead partner of the project.
3. 2018. Φορέας: European Union - Erasmus+, Cooperation for innovation and the exchange of good practices, Capacity Building in higher education. IHU (former EMaTTech) Προϋπολογισμός: 64.693 €. Τίτλος: *Innovations in Water Education Programs: Enhancing Water Security and Socio-Economic Development in the Eastern Mediterranean Under Climate Change*. International EU project with Palestine Technical University - Kadoorie (PTUK) the lead partner of the project.
4. 2018. Φορέας: The European Regional Development Fund in the framework of the implementation of the "Sustainable Urban Development Strategy of the Municipality of Drama" of the R.O.P. A.M.T. 2014-2020. Προϋπολογισμός: 62.000 €. Τίτλος: *Monitoring and Utilization of the Riparian Areas of Drama Municipality*.
5. 2017. Φορέας: European Union - Erasmus Multilateral Project 2014. Προϋπολογισμός: 52,584 €. Τίτλος: *Specialisation process for the ecoengineering sector in the Mediterranean environment. Generation of the necessary feedback between enterprises and universities in a changing climate environment (ECOMED)*. International EU project with ETSI Montes - Universidad Politécnica de Madrid, (UPM) the lead partner of the project.
6. 2015. Φορέας: Operational Programme "Education and Lifelong Learning" (EdLL) of the National Strategic Reference Framework (NSRF) 2007-2013. Action "Aristia II." Προϋπολογισμός: 114,810 €. Τίτλος: *Management and Prevention of Soil Erosion through an Integrated Information System (Acronym: MaP-Erosion)*. IHU the lead partner of the project.
7. 2014. Φορέας: European Union - Erasmus Multilateral Project 2014. EMaTTech Προϋπολογισμός: 44,185 €. Τίτλος: *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.
8. 2013. Φορέας: European Union - Black Sea Basin Joint Operational Programme 2007 – 2013. Προϋπολογισμός: 851,249.41 €. Τίτλος: *Streams-2-SUPPRESS-Fires - Utilizing Stream Waters in the Suppression of Forest Fires with the Help of New Technologies* International EU project with IHU the lead partner of the project.

Επαγγελματικές και Επιστημονικές Οργανώσεις (επιλεγμένα)

- 2019 – Network of Mediterranean Experts on Climate and Environmental Change (MedECC)
- 2018 – Water Network, Science and Management of Intermittent and Ephemeral Streams

IV. ΣΥΝΕΔΡΙΑ – ΗΜΕΡΙΑΔΕΣ

Συνέδρια (Υπεύθυνος)

- **Συνέδριο:** *Frontiers in Environmental and Water Management*. City: Kavala, Greece. Dates: May 19-21, 2015.

Συνέδρια - Κεντρικός ή Προσκεκλημένος Ομιλητής (επιλεγμένα)

- **Τίτλος Παρουσίασης:** Targeted Approaches to Implement Nature-Based Solutions in Aggitis Watershed, Greece with the Use of New Technologies. **Συνέδριο:** “*The 8th International Conference on Water Resource and Environment (WRE 2022)*.” Πόλη: Xi’an, China. Ημερομηνία: November 1-4, 2022.
- **Τίτλος Παρουσίασης:** Targeted approaches of nature-based solutions to mitigate nonpoint source pollutants. **Συνέδριο:** *2022 International Conference on Energy, Power, Environment and Computer Science (EPECS2022)*. Online. Ημερομηνία: September 26-27, 2022
- **Τίτλος Παρουσίασης:** Targeted Placement of Soil Erosion Prevention Works After Wildfires **Συνέδριο:** *The 6th International Conference on Water Resource and Environment (WRE 2020)*. Online. Ημερομηνία: August 23-26, 2020
- **Τίτλος Παρουσίασης:** WaSec – Innovative Educational Tools for the Sustainable Management of Semi-Aquatic Ecosystems to Promote Water Security in the Eastern Mediterranean. **Συνέδριο:** “*MONITOX International Symposium Deltas and Wetlands*.” City: Tulcea, Romania. Ημερομηνία: September 15-17, 2019
- **Τίτλος Παρουσίασης:** Current and Past Projects of the UNESCO Chair Con-E-Ect. **Συνέδριο:** *1st International Workshop on Conservation, Environment and Ecotourism*. Πόλη: Nova Friburgo, Brazil. Ημερομηνία: January 15-17, 2019.
- **Τίτλος Παρουσίασης:** Riparian Areas: Their Importance, Uniqueness and Ecotourism Opportunities. **Συνέδριο:** *1st International Workshop on Conservation, Environment and Ecotourism*. Πόλη: Nova Friburgo, Brazil. Ημερομηνία: January 15-17, 2019.
- **Τίτλος Παρουσίασης:** The ECOMED long term strategy in Mediterranean ecoregion. **Συνέδριο:** “*X Conference AEIP-APENA-EFIB-ECOMED Soil and Water Bioengineering in the Mediterranean Region*” Πόλη: Madrid, Spain. Ημερομηνία: November 21-23, 2018
- **Τίτλος Παρουσίασης:** Utilizing New and Innovative Tools to Mitigate Surficial Erosion in Mediterranean Environments. **Συνέδριο:** *International Forestry Symposium*. Πόλη: Kastamonu, Turkey. Ημερομηνία: December 7-10, 2016

Συνέδρια (Υπεύθυνος Δημόσιευσεων)

- **Συνέδριο:** “*2022 International Conference on “Energy, Power, Environment and Computer Science” (EPECS2022)*.” Online. Ημερομηνία: September 26-27, 2022

Συνέδρια (Επιστημονική Επιτροπή) (επιλεγμένα)

- **Συνέδριο:** “*The 8th International Conference on Water Resource and Environment (WRE 2022)*.” Πόλη: Xi’an, China. Ημερομηνία: November 1-4, 2022.
- **Συνέδριο:** “*The 4th International Conference on Advances in Civil and Ecological Engineering Research (ACEER 2022)*” Online. Dates: July 4-5, 2022.
- **Συνέδριο:** “*CAJG – 3rd Conference of the Arabian Journal of Geosciences*” Πόλη: Sousse, Tunisia. Ημερομηνία: November 2-5, 2020.
- **Συνέδριο:** “*The 2nd International Conference on Advances in Civil and Ecological Engineering Research (ACEER 2020)*” Πόλη: Beijing, China. Ημερομηνία: October 20-23, 2020.
- **Συνέδριο:** “*MONITOX International Symposium, Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin*.” Πόλη: Kavala, Greece. Dates: September 8-11 2019.
- **Συνέδριο:** *The 6th International Conference on Water Resource and Environment (WRE 2020)*. Online. Ημερομηνία: August 23-26, 2020

- **Συνέδριο:** “CAJG - 2nd Conference of the Arabian Journal of Geosciences” Πόλη: Sousee, Tunisia. Ημερομηνία: November 25-28, 2019.
- **Συνέδριο:** “MONITOX International Symposium Deltas and Wetlands.” Πόλη: Tulcea, Romania. Ημερομηνία: September 15-17, 2019.
- **Συνέδριο:** *The 5th International Conference on Water Resource and Environment (WRE 2019)*. Πόλη: Macao, China. Ημερομηνία: June 16-19, 2019
- **Συνέδριο:** “2019 International Conference on Advances in Civil and Ecological Engineering Research (ACEER 2019)” Πόλη: Kaohsiung City, Taiwan. Ημερομηνία: July 1-14, 2019.
- **Συνέδριο:** “X Conference AEIP-APENA-EFIB-ECOMED Soil and Water Bioengineering in the Mediterranean Region” Πόλη: Madrid, Spain. Ημερομηνία: November 21-23, 2018.
- **Συνέδριο:** *The 4th International Conference on Water Resource and Environment (WRE 2018)*. Πόλη: Kaohsiung City, Taiwan. Ημερομηνία: June 17-21, 2018

V. ΔΗΜΟΣΙΕΥΣΕΙΣ

ΕΠΙΜΕΛΕΙΑ

1. **Zaimes, G.N.**, Iakovoglou, V., Kaziolas, D., Emmanouloudis, D., Ioannou, K. 2016. Proceedings of the International Conference Frontiers in Environmental and Water Management. ISBN: 978-960-363-064-7.
2. **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.
3. **Zaimes G.N.** 2007. *Understanding Arizona’s Riparian Areas*. University of Arizona Cooperative Extension, Publication # AZ1432.

Κεφάλαια σε βιβλία (με κριτές) (επιλεγμένα, σύνολο 16)

4. **Zaimes G.N.**, Tardio G., Iakovoglou V., Gimenez M., Garcia-Rodriguez J.L., Sangalli P. (2020) *New Tools and Approaches for Soil and Water Bioengineering in the Mediterranean to Enhance Water Quality*. In: Naddeo V., Balakrishnan M., Choo KH. (eds) Frontiers in Water-Energy-Nexus—Nature-Based Solutions, Advanced Technologies and Best Practices for Environmental Sustainability. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham, pp 485-487. ISBN 978-3-030-13067-1
5. **Zaimes, G.N.**, Iakovoglou V. 2020. *Module 4: Geographic Information System for Soil and Water Bioengineering*. In: Garcia-Rodriguez, J.L., Sangalli, P., Tardio, G., S. Mickovski, Fernandez, J. Gimenez, M. (eds) Specialisation process for the ecoengineering sector in Mediterranean environment. PART I. Training Modules. pp. 277-338. Fundacion Conde del Valle de Salazar, Madrid, Spain.
6. **Zaimes, G.N.**, Iakovoglou, V., Giatas, G., Pagonis, G. 2019. *Wildfire Erosion Control, Thassos, Greece*. In: Garcia-Rodriguez, J.L., Sangalli, P., Tardio, G., S. Mickovski, Fernandez, J. Gimenez, M. (eds) Specialisation process for the ecoengineering sector in Mediterranean environment. PART II. Protcols and Case Studies. pp. 208-227. Fundacion Conde del Valle de Salazar, Madrid, Spain.
7. **Zaimes, G.N.**, Iakovoglou, V., Kosmadakis, I., K. Ioannou, Koutalakis, P., Ranis, G., Laopoulos, T., Tsardaklis P. 2017. *A New Innovative Tool to Measure Soil Erosion*. In: Abdalla, O. Kacimov, A., Chen, M., Al-Maktoumi, A., Al-Hosni, T., Clark, I. (eds.) Water Resources in Arid Areas: The Way Forward, Springer, pp.267-280. ISBN 978-3-319-51855-8
8. **Zaimes, G.N.**, K-H. Lee, M. Tufecioglu, 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
9. 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

Διεθνή Επιστημονικά Περιοδικά (με κριτές) (επιλεγμένα, περισσότερα 70)

10. Koutalakis P., **Zaimes G.N.** 2022. River Flow Measurements Utilizing UAV-Based Surface Velocimetry and Bathymetry Coupled with Sonar. *Hydrology*, 9(8):148
11. **Zaimes G.N.**, Iakovoglou V., Syropoulos D., Kaltsas D., Avtzis D. 2021. Assessment of two adjacent mountainous riparian areas along Nestos River tributaries of Greece. *Forests*, 12(9):1284.
12. Koutalakis P.D., Tzoraki O.A., Prazioutis G.I., Gkiatas G.T., **Zaimes G.N.** 2021. *Can drones map earth cracks? Landslide measurements in North Greece using UAV photogrammetry for nature-based solutions.* *Sustainability*, 13(9):4697.
13. **Zaimes, G.N.**, Iakovoglou, V. 2021. *Assessing riparian areas of Greece - An overview.* *Sustainability* 13, 309.
14. Koutalakis, P., Tzoraki O., Gkiatas, G., **Zaimes, G.N.** 2020. *Using UAV to capture and record torrent bed and banks, flood debris, and riparian areas.* *Drones*, 4, 77.
15. **INVITED PAPER - Zaimes, G.N.** 2020. *Mediterranean Riparian Areas- Climate change implications and recommendations.* *Journal of Environmental Biology* 41, 957-965.
16. Arthun, D., **Zaimes, G.N.**, 2020. *Channel Changes Following Human Activity Exclusion in the Riparian Areas of Bonita Creek, Arizona, USA.* *Landscape and Ecological Engineering* 16, 263–271.
17. **Zaimes, G.N.**, Tsioras, P.A., Kiosses, C. Tufekcioglu, M., Zibtsev, S., Trombitsky, I., Uratu, R., Gevorgyan, L. 2020. *Perspectives on protected area and wildfire management in the Black Sea region.* *Journal of Forestry Research* 31, 257–268
18. **Zaimes G.N.**, Loisios, P., Fytopoulos, P., Mersina, C., Fyllas, N., Iakovoglou, V., Dimitrios Avtzis, D. 2019. *Ground dwelling insects as environmental indicators of riparian habitats in agricultural Mediterranean landscapes.* *Environmental Engineering and Management Journal* 18(9), 1977-1986
19. **Zaimes G.N.**, Tardio G., Iakovoglou V., Gimenez M., Garcia-Rodriguez J.L., Sangalli P. 2019. *New tools and approaches to promote soil and water bioengineering in the Mediterranean.* *Science of the Total Environment* 693, 133677.
20. **Zaimes, G.N.**, Tufekcioglu, M., Schultz, R.C. 2019. *Riparian land-use impacts on stream bank and gully erosion in agricultural watersheds: what we have learned.* *Water* 11, 1343.
21. **Zaimes, G.N.**, Gounaridis, D., Symeonakis, E. 2019. *Assessing the impact of dams on riparian and deltaic vegetation using remotely-sensed vegetation indices and Random Forests modelling.* *Ecological Indicators* 103:630-641.
22. **Zaimes, G.N.**, Arthun, D., Liordos, V., 2019. *Population trends of the native fish assemblage in Bonita Creek, Arizona, USA.* *Western North American Naturalist* 79(3), 394-402.
23. Schismenos, S., **Zaimes, G.N.**, Iakovoglou, V., Emmanouloudis, D. 2019. *Environmental sustainability and ecotourism of riparian and deltaic ecosystems: opportunities for rural Eastern Macedonia and Thrace, Greece.* *International Journal of Environmental Studies* 76(4):675-688.
24. Kotsiotis, V., **Zaimes, G.N.**, Tsiftsis, S., Kiourtziadis, P., Bakaloudis, D. 2019. *Assessing the influence of riparian vegetation structure on bird communities in agricultural Mediterranean landscapes.* *Agroforestry Systems* 93: 675-687.
25. Koutalakis, P., Tzoraki O., **Zaimes, G.N.** 2019. *UAVs for Hydrologic Scopes: Application of a Low-Cost UAV to Estimate Surface Water Velocity by Using Three Different Image-Based Methods.* *Drones* 3(1): 14
26. **Zaimes, G.N.**, Tardio, G., Gimenez, M.C., Iakovoglou, V., Garcia-Rodriguez J.L. 2018. *Promoting soil bioengineering in the Mediterranean ecoregion with new tools and approaches.* *International Journal of Sustainable Agricultural Management and Informatics* 1(4):68-82.
27. **Zaimes, G.N.**, Manikas, N., Spanos, T., Chrisopoulos, V., Avtzis, D.N. 2017. *Odonata as indicators of riverine habitats in Central Greece.* *Fresenius Environmental Bulletin* 26(7): 4244-4253.
28. Koutalakis, P., **Zaimes, G.N.**, Ioannou K., and Iakovoglou V. 2017. *Application of the SWAT model on torrents of the Menoikio, Greece.* *Fresenius Environmental Bulletin* 26(2): 1210-1215.
29. Mitsopoulos, I., Mallinis, G., Zibtsev, S., Yavuz, M., Saglam, S., Kucuk, O., Bogomolov, V., Borsuk, A., **Zaimes, G.**, 2017. *An integrated approach for mapping fire suppression difficulty in three different ecosystems of Eastern Europe.* *Journal of Spatial Science* 62 (1): 139-155.

30. **Zaimes, G.N.**, R.C. Schultz. 2015. *Riparian land-use impacts on bank erosion and deposition of an incised stream in north-central Iowa, USA*. *Catena*. 125: 61-73
31. Hutmacher, A.M., **G.N. Zaimes**, J. Martin, and D.M. Green. 2015. *Vegetative litter decomposition along urban ephemeral streams in Southeastern Arizona*. *Urban Ecosystems*. 18(2): 431-448.
32. Hutmacher, A.M., **G.N. Zaimes**, J. Martin, and D.M. Green. 2014. *Vegetation structure along urban ephemeral streams in southeastern Arizona*. *Urban Ecosystems*. 17(1): 349-368
33. Gounaridis, D., **G.N. Zaimes**, and S. Koukoulas. 2014. *Quantifying spatio-temporal patterns of forest fragmentation in Hymettus Mountain, Greece*. *Computers, Environment and Urban Systems*. 46: 35-44.
34. Tufekcioglu, M., R.C. Schultz, **G.N. Zaimes**, T.M. Isenhardt, and A. Tufekcioglu. 2013. *Riparian grazing impacts on streambank erosion and phosphorus loss via surface runoff*. *Journal of the American Water Resources Association* 49(1): 103-113.
35. Arthun D., **G.N. Zaimes**, and J. Martin. 2013. *Temporal river channel changes in the Gila Box Riparian National Conservation Area, Arizona, USA*. *Physical Geography* 34:60-73.
36. Martin J., S.A. Kurc, **G.N. Zaimes**, M. Crimmins, A. Hutmacher and D. Green. 2012. *Elevated air temperatures in riparian ecosystems along ephemeral streams: the role of housing density*. *Journal of Arid Environments* 84:9-18.
37. **Zaimes G.N.** and D. Emmanoueloudis. 2012. *Sustainable Management of the Freshwater Resources of Greece*. *Journal of Engineering Science and Technology Review* 5(1):77-82.
38. Gounaridis D. and **G.N. Zaimes**. 2012. *GIS-based Multicriteria Decision Analysis applied for Environmental Issues; the Greek experience*. *International Journal of Applied Environmental Sciences* 3:307-321.
39. **Zaimes G.N.** and R.C. Schultz. 2012. *Assessing Riparian Conservation Land Management Practice Impacts on Gully Erosion in Iowa*. *Environmental Management* 49:1009-1021.
40. **Zaimes, G.N.** and R.C. Schultz. 2011. *Stream bed substrate composition adjacent to different riparian land-uses in Iowa, USA*. *Ecological Engineering* 11: 1692-1699
41. **Zaimes, G.N.**, R.C. Schultz, and T.M. Isenhardt. 2008. *Total phosphorus concentrations and compaction in riparian areas under different riparian land-uses of Iowa*. *Agriculture, Ecosystems and Environment* 127:22-30.
42. **Zaimes, G.N.**, R.C. Schultz, and T.M. Isenhardt. 2008. *Streambank soil and phosphorus losses under different riparian land-uses in Iowa*. *Journal of American Water Resource Association* 44(4):935-947.
43. **Zaimes, G.N.**, R.C. Schultz, and T.M. Isenhardt. 2006. *Riparian land-uses and precipitation influences on stream bank erosion in central Iowa*. *Journal of American Water Resource Association* 42:83-97.
44. **Zaimes, G.N.**, R.C. Schultz, and T.M. Isenhardt. 2004. *Stream bank erosion adjacent to riparian forest buffers, row-cropped fields, and continuously-grazed pastures along Bear Creek in central Iowa*. *Journal of Soil and Water Conservation* 59:19-27.