



TECHNICAL UNIVERSITY OF CRETE
School of Environmental Engineering
University Campus
GR 731 00, Chania
GREECE

Resume of



Nikolaos P. Nikolaidis, Ph.D., P.E., QEP
Professor and Director of the
Laboratory of Hydrogeochemical Engineering and Remediation of
Soils

Tel: +30-2821-037785 (office)
Tel: +30-6948-251695 (mobile)
Fax: +30-8221-037846

E-mail: nikolaos.nikolaidis@enveng.tuc.gr

Resume of

Nikolaos P. Nikolaidis

Revised: September 2021

Birthdate: 12/25/58

Education:

Ph.D.	1987	University of Iowa, Civil and Environmental Engineering
M.S.	1984	University of Iowa, Civil and Environmental Engineering
B.S.	1982	University of Iowa, Civil and Environmental Engineering
Diploma	1980	School of Higher Engineering Technology, Athens, Greece

Experience:

2013-2017	Deputy Rector for Finance, Planning and Development, TUC
2010-2011	Visiting Scholar, Joint Research Centre-Institute for Environment and Sustainability, Rural, Water and Ecosystem Resources Unit
2008-2010	Director, Environmental Engineering Graduate Program, TUC
2008-2010	Vice Head, Environmental Engineering, TUC
2006-	Professor, Environmental Engineering, Technical University of Crete
2002-2006	Assoc. Professor, Environmental Engineering, Techn. Univer. of Crete
2000-2002	Professor, Depart. of Civil Engineering, Univ. of Connecticut
1998-1999	Director, Environmental Engineering Program, Univ. of Connecticut
1996	Int. Director, Environmental Engin. Program, Univ. of Connecticut
1995	Visiting Scientist, Joint Research Centre, European Union, Ispra, Italy
1994-2000	Associate Professor, Depart. of Civil Engineering, Univ. of Connecticut
1990-1992	Assistant Director, Environ. Res. Institute, Univ. of Connecticut
1990-1992	Coordinator, Environmental Engineering Program, Univ. of Connecticut
1988-1994	Assistant Professor, Depart. of Civil Engineering, Univ. of Connecticut
1987-1988	Research Associate, University of Iowa
1986	Instructor, Kirkwood Community College, Cedar Rapids, Iowa
1982-1987	Research Assistant, University of Iowa

Professional Societies:

American Society of Civil Engineers (ASCE)
American Chemical Society (ACS)
American Geophysical Union (AGU)
American Water Resources Association (AWRA)
National Ground Water Association (NGWA)
X.E. Civil Engineering Honor Society

Areas of Interest: *"Hydrogeochemical Engineering and Remediation of Soils"*

Soil fertility and soil structure dynamics
Assessment and remediation of heavy metal contaminated sites
Deterministic and stochastic modeling of water quality problems including:
Dynamic modeling of soil structure

C/N/P cycles in soils and freshwaters
Water quality modeling - watershed studies
Climate change impacts modeling
Fate and transport of heavy metals in the environment
Non-point source pollution of nutrients
Acidic deposition and eutrophication
Surface water pollution

Honors or Distinctions:

First Prize, WPCF Student Paper Competition, 1987
Co-organizer of the Acid Precipitation Specialty Conference, May 19-20, 1987, Hartford, CT
Member of WPCF's Research Committee, 1988-1991
Member of the Advisory Council for the Center for Environmental Health, Univ. of Connecticut, 1989-1991
Member of the Technical Committee for the Institute of Water Resources, Univ. of Connecticut, 1989-1992
Chair on Global Climate Change Session in the 1990 SETAC Annual Meeting, Nov. 11-15, Washington, DC
Vice-Chairman of the WPCF's Air and Water Interaction Committee, 1990 - 1992
Invited panelist/reviewer for the review of the level 1 activities of the Global
Climate Research Program - U.S. Environmental Protection Agency -
Environmental Research Lab - Corvallis, OR.
Invited Member of the "Scientific Watershed Evaluation Team", Coastal
America Project, Sea Grant Advisory Program, U.S. Environmental
Protection Agency, July, 1991- August, 1992
Invited Participant to the Workshop on "Reducing Uncertainty in Mass
Balance Models of Toxics in The Great Lakes - Lake Ontario Case Study", State University of New
York at Buffalo, Feb. 3-5, 1992
Co-organizer of "Connecticut's Unfinished Agenda on Water Quality"
Conference, Ramada Inn, Meriden, Connecticut, Feb. 25, 1992
Co-organizer of the "First Annual Long Island Sound Research Fund
Symposium", Bishop Center, UConn, May 28, 1992
Association of Environmental Engineering Professors
Member of the Computer Software Manual Committee
American Water Resources Association, 1993-1996
Board of Directors (Connecticut) of the New England Section
State of Connecticut, Department of Environmental Protection
Member of Technical Advisory Committee on Soil cleanup criteria for the protection of
groundwater quality
Co-organizer, 1995 Annual Conference of the New England Section of the American Water Resources Association
on "Nonpoint Source Pollution in New England", University of Connecticut, Nov. 17, 1995
National Acid Precipitation Assessment Program - Member of Review Panel of the 1996 Assessment
Who's Who in Science and Engineering, 3rd Edition (Marquis Who's Who)
Associate Editor of Ground Water Journal, 1995-1998
Member of the Technical Advisory Group - Technical Guidance Document for Site
Investigations and Demonstration of Compliance with the Remediation Standard Regulations
Member of the Scientific Council of the National Centre for Marine Research, Athens, Greece (Appointed by
Minister of Development, Mrs. V. Papandreou)
Member of the Executive Committee of the Environmental Research Institute, Univ. of Connecticut
Member of the Watershed Modeling Steering Committee, Connecticut Dept. of Environ. Prot.
Conference Organizer, 31st Mid-Atlantic Industrial and Hazardous Waste Conference, Storrs, CT., June 20-23, 1999
(with C. Erkey and B. Smets)

Patent No. US 6,387,276 B1
Title: "Immobilization of inorganic arsenic species using iron".

Date Issued: May 14, 2002

Professional Engineer, State of Iowa, #14225.

Qualified Environmental Professional, #04980025.

1999 Klewin, Inc. Award for Excellence in Teaching

1999 LIDA Foundation Award for Excellence in Graduate Research Direction

1st Prize Innovative Technology Award, Connecticut Innovative Inc. 2000

Technical Chamber of Greece, Environmental Engineer License #88940

2020 Award for Excellence in Research, Technical University of Crete

2000 -Member of Editorial Board of the Journal "Mediterranean Marine Science"

**Organizer of the 8th International Conference on the Protection and Restoration of the Environment,
July 2006, Chania, Greece**

The LIFE05 Project EnviFriendly was selected to be BEST-OF-THE-BEST of LIFE for 2010

<https://orcid.org/0000-0002-6223-7519>

[Scopus Author ID: 55400853300](#)

Summary Publication Record

Journal Peer-Reviewed Publications:	(Last 10 years = 85	/ Total =152)
Peer-Reviewed Paper Proceedings:	(Last 10 years = 52	/ Total =107)
Conference Proceedings - Editor:	(Last 10 years = 0	/ Total =2)
Books:	(Last 10 years = 0	/ Total =1)
Book Chapter:	(Last 10 years = 5	/ Total =14)
Total:	(Last 10 years = 142	/ Total =276)
Dissertation and Thesis:	(Last 10 years = 0	/ Total =2)
Presentations:	(Last 10 years = 48	/ Total =149)

Summary Funding Record

Funding from European and Greek Sources
56 research programs with total funding 7.300.000 €
Funding from USA Sources
24 research programs with total funding \$2.500.000

Summary Graduate Advising

PhD Degree Awarded =	12
PhD Degree In progress =	1
M.S. Degree =	35 (18 US + 17 Greece)
Diploma Thesis =	46
Total =	94

Summary Citation Report (Google Scholar Citations)

Citations	5290 (March 2021) 2524 since 2016
H-Index	46 31 since 2016
H10-Index	112 71 since 2016

Journal Peer-Reviewed Publications:

1. Shaojun Qiu; Huiyi Yang; Shuiqing Zhang; Shaomin Huang; Shicheng Zhao; Xingpeng Xu; Wei Zhou; Ying Zhao; Na Yan; Nikolaos Nikolaidis; Peter Christie; Steven A Banwart, 2021. Predicting carbon storage in arable soils combining field measurements, aggregate turnover modeling and climate scenarios, CATENA (In Review).
2. Petousi, I., G. Daskalakis, M.S. Fountoulakis, D. Lydakis, N. P Nikolaidis, L. Fletcher, E.I. Stentiford, T. Manios. 2021. Application of reclaimed water for cultivation of ‘Crimson seedless’ grapevines, Irrigation Science, (In Review).
3. Yameogo, Jérôme; Panakoulia, Sotiria; Kontronakis, Manolis; Somoda, Iréné; Nikolaidis, Nikolaos; Lykke, Anne Mette; Axelsen, Jørgen, 2021. Simulation of the long-term impact of soil restoration techniques on carbon content and structure of water stable aggregates in West Africa, Journal of Land Degradation and Development (In Review)
4. Paranychianakis NV, G. Giannakis, D. Moraetis, V. A. Tzanakakis, N. Nikolaidis, 2021. Crop has a strong effect on soil carbon sequestration in semi-arid environments, Sustainability (In Press).
5. Skoulikidis N. T., N.P. Nikolaidis, A. Panagopoulos, M. Fischer-Kowalski, S. Zogaris, P. Petridis, V. Pisinaras, D. Efstathiou, T. Petanidou, N. Michalopoulos, M. Mimikou, 2021. The LTER-Greece environmental observatory network: Design and initial achievements, WATER, **2021**, 13, 2971.
<https://doi.org/10.3390/w13212971>
6. Nikolaidis NP, G Phillips, S Poikane, G Várbbíró, F Bouraoui, A Malagó, MA. Lilli, 2021. Nutrient Targets for Good Ecological Status, Gap Analysis, and Policy Implications, Science of the Total Environment, (In Press).
7. Sullivan, PL; Billings, S; Hirmas, D; Li, L; Zhang, X; Ziegler, S; Murenbeeld, K; Ajami, H; Guthrie, A; Singha, K; Gimenez, D; Duro, A; Moreno, V; Flores, A; Cueva, A; Koop, ; Aronson, EL; Barnard, HR; Keen, RM; Nemes, A; Nikolaidis, NP; Nippert, JB; Richter, D; Robinson, DA; Sadayappan, K; Souza, LFT de; Unruh, M; Wen, H, 2022. Embracing the dynamic nature of soil structure: A key paradigm shift for illuminating the role of life in critical zones of the Anthropocene, Earth Science Reviews, 225 (2022) 103873.
8. Xuan Yu, Zexuan Xu, Daniel Moraetis, Nikolaos P. Nikolaidis, Frank W. Schwatz, Yu Zhang, Lele Shu, Christopher Duffy, Bingjun Liu 2021. Capturing hotspots of fresh submarine groundwater discharge using a couple surface-subsurface model, Journal of Hydrology, 598, 126356.
<https://doi.org/10.1016/j.jhydrol.2021.126356>
9. Josette Garnier, Gilles Billen, Luis Lassaletta Olga Vigiak, Nikolaos P Nikolaidis and Bruna Grizzetti 2021. Hydromorphology of coastal zone and structure of watershed agro-food system are main determinants of coastal eutrophication, *Environ. Res. Lett.* 16 (2021) 023005 <https://doi.org/10.1088/1748-9326/abc777>
10. Lilli, M., Efstathiou, D., Moraetis, D., Schuite, J., Nerantzaki, S.D., Nikolaidis, N.P., 2020. Linking geomorphology with hydrologic and geochemical processes at Koiliaris Critical Zone Observatory, *Water* **2020**, 12, 2474; doi:10.3390/w12092474.
11. Kolokotsa D., Lill A.A., Lilli M.A. and Nikolaidis N.P., 2020. On the impact of Nature-Based Solutions on Citizen’s health and well being, Energy and Buildings, 229, 110527.
<https://doi.org/10.1016/j.enbuild.2020.110527>
12. Nerantzaki, S., Nikolaidis, NP, 2020. The response of three Mediterranean karstic springs to drought and the impact of climate change, Journal of Hydrology, 591, 125296.

13. Maria A. Lilli, Sofia Nerantzaki, Christos Riziotis, Manolis Kotronakis, Dionissis Efstathiou, Dimitris Kontakos, Petros Lymberakis, Manolis Avramakis, Antonis Tsakirakis, Konstantinos Protopapadakis and Nikolaos P. Nikolaidis, 2020. Vision-based decision-making methodology for riparian forest restoration and flood protection using Nature-based solutions, *Sustainability*, 12, 3305; <https://doi.org/10.3390/su12083305>
14. Nerantzaki, S., Nikolaidis, NP., Hristopoulos D., 2020. Estimation of the uncertainty of climate change hydrologic predictions at the Koiliaris Critical Zone Observatory, *Science of the Total Environment*, 717 (2020) 137131
15. Androniki Papafilippaki, Nikolaos P. Nikolaidis, 2020. Comparative study of wild and cultivated populations of *Cichorium spinosum*: The influence of soil and organic matter addition, *Scientia Horticulturae* 261 (2020) 108942, <https://doi.org/10.1016/j.scienta.2019.108942>
16. Martin Musche; Mihai Adamescu; Per Angelstam; Sven Bacher; Jaana Bäck; Heather Buss; Christopher Duffy; Giovanna Flaim; Jerome Gaillardet; George Giannakis; Peter Haase; Luboš Halada; Daniel Kissling; Lars Lundin; Giorgio Matteucci; Henning Meesenburg; Don Monteith; Nikolaos Nikolaidis; Tanja Pipan; Petr Pyšek; Ed Rowe; David Roy; Andrew Sier; Ulrike Tappeiner; Montserrat Vilà; Timothy White; Martin Zobel; Stefan Klotz, 2019. Research questions to facilitate the future development of European long-term ecosystem research infrastructures: a horizon scanning exercise, *Journal of Environmental Management*, 250, 15 November 2019, 109479, <https://doi.org/10.1016/j.jenvman.2019.109479>
17. Yu X, D Moraetis, N. P. Nikolaidis, B. Li, Ch Duffy, and B. Liu, 2019. A coupled surface-subsurface hydrological model to assess groundwater flood risk spatially and temporally, *Environmental Modeling and Software*, 114, 129-139.
18. Nerantzaki, S., Efstathiou, D., Giannakis, G., Kritsotakis, M., Grillakis, M., Koutroulis, A., Tsanis, I., Nikolaidis, NP., 2019. Climate Change Impact on the Hydrologic Budget of a large Mediterranean island, *Hydrological Science Journal*, 64 (10) 1190- 1203 <https://doi.org/10.1080/02626667.2019.1630741>
19. Andrianaki M., J. Shrestha, F. Kobierska, N.P. Nikolaidis and S.M. Bernasconi. 2019. Assessment of SWAT spatial and temporal transferability for a high-altitude glacierized catchment, *Hydrol. Earth Syst. Sci.*, 23, 3219–3232, 2019 <https://doi.org/10.5194/hess-23-3219-2019>
20. Demetropoulou L., M. A. Lilli, I. Petousi, T. Nikolaou, M. Fountoulakis, M. Kritsotakis, S. Panakoulia, G. V. Giannakis, Th. Manios, N. P. Nikolaidis, 2019. Innovative methodology for the prioritization of the Program of Measures for integrated water resources management of the Region of Crete, Greece, *Science of the Total Environment* 672 (2019) 61–70
21. Banwart S.A., N. P. Nikolaidis, Y-G Zhu, C. L. Peacock, and D. L. Sparks, 2019. Soil Functions: Connecting Earth's Critical Zone, *Annu. Rev. Earth and Planet. Sci.*, 47:333-59.
22. Jón Örvar G. Jónsson, Brynhildur Davidsdóttir, Nikolaos Nikolaidis, Georgios Giannakis, 2019. Tools for sustainable soil management and agricultural intensification: Soil ecosystem services, EROI and economic analysis, *Ecological Economics*, 157, 109-119.
23. Lilli, M.A., N.P. Nikolaidis, G.P. Karatzas, N. Kalogerakis, 2019 Identifying the controlling mechanism of geogenic origin chromium release in soils, *Journal of Hazardous Materials* 366, 169–176.
24. Galliou F., N. Markakis, M.S. Fountoulakis, N. Nikolaidis and T. Manios: 2018. Production of organic fertilizer from olive mill wastewater by combining solar greenhouse drying and composting, *Waste Management*, 75, 305–311.

25. Udias, A., Pastori, M., Malago, A., Vigiak, O., Nikolaidis, N.P., and Bouraoui, F. 2018. Identifying efficient agricultural irrigation strategies in Crete, *Science of the Total Environment*, 633 (2018) 271–284.
26. Tzanakakis V.A., A. Apostolakis, N, P. Nikolaidis, N.V. Paranychianakis, 2018. Ammonia oxidizing archaea do not respond to ammonium or urea supply in an alkaline soil, *Applied Soil Ecology*, 132, 194–198.
27. Morianou, G.G., Kourgialas, N.N., Karatzas, G.P. and Nikolaidis, N.P. 2018. Assessing hydro-morphological changes in Mediterranean stream using curvilinear grid modeling approach - climate change impacts, *Earth Sci Inform*, <https://doi.org/10.1007/s12145-017-0326-2>
28. Olga Vigiak, Stefanie Lutz, Angeliki Mentzafou, Gabriele Chiogna; Ye Tuo; Bruno Majone, Hylke Beck, Ad de Roo, Anna Malagó, Fayçal Bouraoui, Rohini Kumar, Luis Samaniego, Ralf Merz, Christos Gamvroudis, Nikolaos Skoulidakis, Nikolaos Nikolaidis; Alberto Bellin, Vincenç Acuña, Nataša Mori, Ralf Ludwig, Alberto Pistocchi, 2018. Uncertainty of modelled flow regime for flow-ecological assessment in Southern Europe, *Science of the Total Environment*, 615, 1028–1047
29. Petousi, I. Fountoulakis, M., Papadaki, A., Sabathianakis, I., Daskalakis, G., Nikolaidis, N. & Manios, T. (2017). Assessment of Water Management measures through SWOT Analysis : The case of Crete Island , Greece. *International Journal of Environmental Science*, 2, 59-622.
30. Morianou, G.G., N. N. Kourgialas, G. P. Karatzas, N. P. Nikolaidis, 2017. River flow and sediment transport simulation based on a curvilinear and rectilinear grid modelling approach – a comparison study, *Water Science and Technology - Water Supply*, 17 (5) 1325-1334; DOI: 10.2166/ws.2017.031
31. Hasapis D., N. Savvakis, Th. Tsoutsos, K. Kalaitzakis, S. Psychis, N. P. Nikolaidis, 2017. Design of large scale prosuming in Universities The solar energy vision for the TUC campus, *Energy and Buildings*, 141, 39-55.
32. Gamvroudis C., Z. Dokou, N. P. Nikolaidis, G. P. Karatzas, 2017. Impacts of surface and groundwater variability response to future climate change scenarios in a large Mediterranean watershed, *Environmental Earth Sciences*, 76: 385. doi:10.1007/s12665-017-6721-7
33. Apostolakis A., S. Panakoulia, N P. Nikolaidis, N V. Paranychianakis, 2017. Shifts in soil structure and soil organic matter in a chronosequence of set-aside fields, *Soil & Tillage Research*, 174, 113-119
34. Lilli M., E. Syranidou, A. Palliou, N. P. Nikolaidis, G.P. Karatzas, N. Kalogerakis, 2017. Assessing the impact of geogenic chromium uptake by carrots (*Daucus carota*), *Environmental Research*, 152, pp. 96-101.
35. Andrianaki, M., Bernasconi, S.M., **Nikolaidis, N.P.**, 2017. Quantifying the Incipient Development of Soil Structure and Functions Within a Glacial Forefield Chronosequence, In: *Quantifying and Managing Soil Functions in Earth’s Critical Zone: Combining Experimentation and Mathematical Modelling*, *Advances in Agronomy* volume 142 pp. 215-239 (edited by Donald L. Sparks and Steven A. Banwart). Elsevier, Amsterdam <http://dx.doi.org/10.1016/bs.agron.2016.10.013>.
36. Panakoulia S.K., N.P. Nikolaidis, N.V. Paranychianakis, M. Menon, J. Schiefer, G.J. Lair, P. Kram, S.A. Banwart, 2017. Factors Controlling Soil Structure Dynamics and Carbon Sequestration Across Different Climatic and Lithological Conditions, In: *Quantifying and Managing Soil Functions in Earth’s Critical Zone: Combining Experimentation and Mathematical Modelling*, *Advances in Agronomy* volume 142 pp. 241-276 (edited by Donald L. Sparks and Steven A. Banwart). Elsevier, Amsterdam <http://dx.doi.org/10.1016/bs.agron.2016.10.008>.
37. Giannakis, G.V., N.P. Nikolaidis, J. Valstar, E.C. Rowe, K. Moirogiorgou, E. Kotronakis, N.V. Paranychianakis, S. Rouseva, F.E. Stamati, S.A. Banwart, 2017. Integrated Critical Zone Model (1D-ICZ): A Tool for Dynamic

- Simulation of Soil Functions and Soil Structure, , In: Quantifying and Managing Soil Functions in Earth's Critical Zone: Combining Experimentation and Mathematical Modelling, Advances in Agronomy volume 142 pp. 277-314 (edited by Donald L. Sparks and Steven A. Banwart). Elsevier, Amsterdam <http://dx.doi.org/10.1016/bs.agron.2016.10.009>.
38. Kotronakis, E., Giannakis, G.V., N.P. Nikolaidis, E.C. Rowe, J. Valstar, N.V. Paranychianakis, S.A. Banwart, 2017. Modeling the Impact of Carbon Amendments on Soil Ecosystem Functions Using the 1D-ICZ Model, In: Quantifying and Managing Soil Functions in Earth's Critical Zone: Combining Experimentation and Mathematical Modelling, Advances in Agronomy volume 142 pp. 277-314 (edited by Donald L. Sparks and Steven A. Banwart). Elsevier, Amsterdam <http://dx.doi.org/10.1016/bs.agron.2016.10.010>.
39. Orvar, J.,B. Davidsdottir and N.P. Nikolaidis, 2017. Valuation of Soil Ecosystem Services, In: Quantifying and Managing Soil Functions in Earth's Critical Zone: Combining Experimentation and Mathematical Modelling, Advances in Agronomy volume 142 pp.354-384 (edited by Donald L. Sparks and Steven A. Banwart). Elsevier, Amsterdam <http://dx.doi.org/10.1016/bs.agron.2016.10.0XX>.
40. Li, N., M.-Y. You, B. Zhang, X.-Z. Han, S.K. Panakoulia, Y.-R. Yuan, K. Liu, Y-F. Qiao, W.-X. Zou, N.P. Nikolaidis and S.A. Banwart, 2017. Modeling Soil Aggregation at the Early Pedogenesis Stage from the Parent Material of a Mollisol Under Different Agricultural Practices, In: Quantifying and Managing Soil Functions in Earth's Critical Zone: Combining Experimentation and Mathematical Modelling, Advances in Agronomy volume 142 pp. XXX-XXX (edited by Donald L. Sparks and Steven A. Banwart). Elsevier, Amsterdam <http://dx.doi.org/10.1016/bs.agron.2016.10.0XX>.
41. Banwart, S.A., S. Bernasconi, W. Blum, D. Maia de Souza, F. Chabaux, C. Duffy, M. Kercheva, P. Kram, G. Lair, L. Lundin, M. Menon, N.P. Nikolaidis, M. Novak, P. Panagos, K V Ragnarsdottir, D. Robinson, S. Rouseva, P. de Ruiter, P. van Gaans, L. Weng, T. White, B. Zhang, 2017. Soil Functions in Earth's Critical Zone – key results and conclusions, , In: Quantifying and Managing Soil Functions in Earth's Critical Zone: Combining Experimentation and Mathematical Modelling, Advances in Agronomy volume 142 pp. XXX-XXX (edited by Donald L. Sparks and Steven A. Banwart). Elsevier, Amsterdam <http://dx.doi.org/10.1016/bs.agron.2016.10.0XX>.
42. Rouseva,S., M. Kercheva, T. Shishkov, G.J. Lair, N. Nikolaidis, D. Moraetis, P. Krám, S. Bernasconi, W. Blum, M. Menon and S.A. Banwart, 2017. *Soil Water Characteristics of European SoilTrEC* Critical Zone Observatories, In: Quantifying and Managing Soil Functions in Earth's Critical Zone: Combining Experimentation and Mathematical Modelling, Advances in Agronomy volume 142 pp. XXX-XXX (edited by Donald L. Sparks and Steven A. Banwart). Elsevier, Amsterdam <http://dx.doi.org/10.1016/bs.agron.2016.10.0XX>.
43. Nerantzaki Sofia D., Georgios V. Giannakis, Nikolaos P. Nikolaidis, Ierotheos Zacharias, George P. Karatzas, Ioannis A. Sibetheros, 2016. Assessing the impact of climate change on sediment loads in a large Mediterranean watershed, *Soil Science Journal*, 181 (7), pp306-314.
44. Moussoulis, E; Zacharias, I, **Nikolaidis, N.P.** 2016. Water balance assessment, hydrological, rainfall-runoff, hydraulic and sediment transport modeling in UpperAchelooos River catchment, *Desalination and Water Treatment*, 57 (25) pp 11540-11549, doi: 10.1080/19443994.2015.1102769 .
45. Malago, A., D. Efstathiou, F. Bouraoui, N.P. Nikolaidis, M. Franchini, G. Bidoglio and M. Kritsotakis, 2016. Regional scale hydrologic modeling of a karst-dominant geomorphology: the case study of the island of Crete, *Journal of Hydrology*, 540, 64-81.
46. Dokou, Z., V. Karagiorgi, G. P. Karatzas, N. P. Nikolaidis, N. Kalogerakis, 2016. Large scale groundwater flow and hexavalent chromium transport modeling under current and future climatic conditions: The case of Asopos River Basin, *Environ Sci Pollut Res*, 23 (6) pp. 5307-5321. DOI 10.1007/s11356-015-5771-1

47. Varouchakis, E. A., G. V. Giannakis, M. A. Lilli, E. Ioannidou, N. P. Nikolaidis, and G. P. Karatzas, 2016. Development of a statistical tool for the estimation of riverbank erosion probability, *Soil (EGU)*, 2, 1–11.
48. Van Leeuwen, J.P., D. Moraetis, G. Lair, J. Bloem, **N. P. Nikolaidis**, L. Hemerik, P.C. de Ruiter, 2015. Ecological soil quality affected by land use and management on semi-arid Crete, *SOIL Discuss.*, 2, 187-215, doi:10.5194/soild-2-187-2015, 2015
49. Papafilippaki A., Paranychianakis N. and **Nikolaidis N.P.**, 2015. Effects of soil type and municipal solid waste compost as soil amendment on *Cichorium spinosum* (stamnagathi) growth, *Scientia Horticulturae*, 195, 195–205.
50. Tzoraki O. I. Karaouzas, L. Patrolecco, N. Skoulidakis and N. P. Nikolaidis, 2015. Polycyclic Aromatic Hydrocarbons (PAHs) and Heavy Metal Occurrence in Bed Sediments of a Temporary River, *Water, Air, & Soil Pollution*, Volume 226, Issue 12 (doi:10.1007/s11270-015-2671-4)
51. Dokou Z., V Karagiorgi, G. P. Karatzas, N. P. Nikolaidis, N. Kalogerakis, 2015. Large scale groundwater flow and hexavalent chromium transport modeling under current and future climatic conditions: the case of Asopos River Basin, *Environ Sci Pollut Res*, DOI 10.1007/s11356-015-5771-1
52. Petousi, I, Fountoulakis, M.S, Saru, M-L., Nikolaidis, N., Fletcher, L., Stentiford, E.I., Manios, T. 2015. Effects of reclaimed wastewater irrigation on olive (*Olea europaea* L. cv. 'Koroneiki') trees, *Agricultural Water Management*, 160, 33–40.
53. Nerantzaki, S., Giannakis, G.V., Efstathiou, D., Nikolaidis, N.P., Sibetheros, I.A., Karatzas, G.P., and Zacharias, I., 2015. Title: Modeling Suspended Sediment Transport and Assessing the Impacts of Climate Change in a Karstic Mediterranean Watershed, *Science of the Total Environment* 538: 288–297.
54. Tsiknia M., Paranychianakis N.V., Varouchakis E.A., **Nikolaidis N.P.**, 2015. Environmental Factors Shaping the Distribution of Nitrogen Cycling Functional Genes at a Watershed Scale, *FEMS Microbiol Ecol*, 90; 139–152
55. Milne E., Banwart S.A., Noellemeyer E., Abson, D.J., Ballabio C, Bampa F., Bationo A., Batjes N.H., Bernoux M., Bhattacharyya T., Black H., Buschiazzo D.E., Cai Z., Cerri C.E., Cheng K., Compagnone C., Conant R; Coutinho H.L.; de Brogniez D.; de Carvalho Balieiro F.; Duffy C.; Feller C; Fidalgo E.C.; da Silva C.F.; Funk R; Gaudig G.; Gicheru P.T.; Goldhaber M; Gottschalk P; Goulet F; Goverse T; Grathwohl P; Joosten H; Kamoni P.T.; Kihara Job; Krawczynski R; La Scala Jr N; Lemanceau Ph; Li L; Li Z; Maron P.A. ; Martius C; Melillo J; Montanarella L; **Nikolaidis N.P.**; Nziguheba G; Pan G; Pascual U; Paustian K; Piñeiro G; Powlson D.; Quiroga A; Richter D; Sigwalt A; Six J; Smith J; Smith P; Stocking M; Tanneberger F; Termansen M; van Noordwijk M; van Wesemael B; Vargas R; Victoria R.L.; Waswa B; Werner D; Wichmann S; Wichtmann W; Zhang X; Zhao Y; Zheng Jinwei; Zheng J. 2015. Soil Carbon, Multiple Benefits, *Journal of Environmental Development*, 13, 33-38.
56. Regelink, I. C., Stoof C.R., Rousseva S., Weng L., Lair G.J., Kram P, **Nikolaidis N.P.**, Kercheva M., Banwart S., Comans R.N.J. 2015. Mechanistic linkages between soil aggregates, soil porosity and soil chemical properties, *GEODERMA*, [Volumes 247–248](#), pp 24–37.
57. Gamvroudis C., **N.P. Nikolaidis**, O. Tzoraki, V. Papadoulakis and N. Karalemas, 2015. Water and sediment transport modeling of a large temporary river basin in Greece, *Science of the Total Environment*, 508 (2015) 354–365.

58. Lilli M.A., Moraetis D., **Nikolaidis N.P.**, Karatzas G.P., Kalogerakis N., 2015. Characterization and mobility of geogenic chromium in soils and riverbed sediments of Asopos basin, *Journal of Hazardous Materials*, 281: 12-19.
59. Dimitroula, H., Syranidou, E., Manousaki, E. **Nikolaidis, N.P.**, Karatzas, G.P., Kalogerakis, N., 2015. Mitigation measures for ChromiumVI contaminated groundwater - The role of endophytic bacteria in rhizofiltration, *Journal of Hazardous Materials*, 281: 114-120.
60. Moraetis D., Paranychianakis N., **Nikolaidis N.P.**, Steve Banwart, Rouseva, S., Kercheva, M., Nenov, M., N., Shishkov, T., Ruitter, de P., Bloem J. Winfried, B., Lair, G., van Gaans, P., Vercheul, M., 2015. Sediment provenance, soil genesis, and carbon storage in fluvial and manmade terraces at Koiliaris River Critical Zone Observatory, *Journal of Soils and Sediments*. 15, [Issue 2](#), pp 347-364
61. Tsiknia, M., Paranychianakis, N., Varouchakis, E., Moraetis, D., **Nikolaidis, N.P.** 2014, Environmental drivers of soil microbial community distribution at the Koiliaris Critical Zone Observatory, *FEMS Microbiol Ecol*, 90; 139–152.
62. Giannakis, G. Kourgialas N., Paranychianakis, N., **Nikolaidis, N.P.**, and Kalograkis N., 2014. Effects of Municipal Solid Waste Compost on Soil Properties and Vegetable Growth, *Compost Science and Utiliation*, 22:3, 116-131.
63. Steve Banwart, Helaina Black, Zucong Cai, Patrick Gicheru, Hans Joosten, Reynaldo Victoria, Eleanor Milne, Elke Noellemeyer, Unai Pascual, Generose Nziguheba, Rodrigo Vargas, Andre Bationo, Daniel Buschiazzo, Delphine de-Brogniez, Jerry Melillo, Dan Richter, Mette Termansen, Meine van Noordwijk, Tessa Goverse, Cristiano Ballabio, Tapas Bhattacharyya, Marty Goldhaber, **Nikolaos Nikolaidis**, Yongcun Zhao, Roger Funk, Chris Duffy, Genxing Pan, Newton la Scala, Pia Gottschalk, Niels Batjes, Johan Six, Bas van Wesemael, Michael Stocking, Francesca Bampa, Martial Bernoux, Christian Feller, Philippe Lemanceau, Luca Montanarella, 2014. Benefits of soil carbon: Report on the outcomes of an international Scientific Committee on Problems of the Environment Rapid Assessment Workshop, *Carbon Management* 5; 2 pp. 185-192.
64. Giannakis G.V., Panakoulia S.K., **Nikolaidis N.P.**, Paranychianakis N.V., 2014. Simulating Soil Fertility Restoration using the CAST model, *Procedia Earth and Planetary Science*, 10; 325 – 329. [doi:10.1016/j.proeps.2014.08.027](https://doi.org/10.1016/j.proeps.2014.08.027)
65. Manoj Menon, Svetla Rouseva, **Nikolaos P. Nikolaidis**, Pauline van Gaans, Panos Panagos, Danielle Maia de Souza, Kristin Vala Ragnarsdottir, Georg J. Lair, Liping Weng, Jaap Bloem, Pavel Kram, Martin Novak, Brynhildur Davidsdottir, Gudrun Gisladdottir, David A. Robinson, Brian Reynolds, Tim White, Lars Lundin, Bin Zhang, Christopher Duffy, Stefano M. Bernasconi, Peter de Ruitter, Winfried E. H. Blum, and Steven A. Banwart, 2014. SoilTrEC: a global initiative on critical zone research and integration, *Environ Sci Pollut Res.*, 21 (4) , pp 3191-3195.
66. Prat N., F. Gallart, D. Von Schiller, S. Polesello, E.M. Garcia-Roger, J.Latron, M. Rieradevall, P. Llorens, G.G. Barbera, D. Brito, A.M. Girolamo, D. Dieter, A. Lo Porto, A. Buffagni, S. Erba, **N.P. Nikolaidis**, E.P. Querner, M.G. Tournoud, O. Tzoraki, N. Skoulikidis, R. Gomez, M.M. Sanchez-Montoya, K. Tockener and H. Froebrich, 2014. The MIRAGE Toolbox: An Integrated Assessment Tool for Temporary Streams, *River Research and Applications*, 30; DOI: 10.1002/rra.2757
67. Tsiknia, M., V.A. Tzanakakis, D. Oikonomidis, N.V. Paranychianakis, **N.P Nikolaidis**, 2014. Effects of olive mill wastewater on soil carbon and nitrogen cycling. *Applied Microbiology and Biotechnology*, 98:2739–2749

68. Tzoraki, O, **Nikolaidis, N. P.**, Cooper, D., Kassotaki, E., 2014. Nutrient mitigation in a temporary river, *Environ. Monit. Assess.*, 186(4):2243-57.
69. Stamati F., **N.P. Nikolaidis**, S.A. Banwart and W.E. Blum, 2013. A Coupled Carbon, Aggregation, and Structure Turnover (CAST) Model for topsoils, *GeoDerma*, 211-212, pp51-64.
70. Paranychianakis, N.V. Tsiknia, M., Giannakis, Nikolaidis, N.P., Kalogerakis, N., 2013. Nitrogen cycling and relationships between ammonia oxidizers and denitrifiers in a clayey soil. *Applied Microbiology and Biotechnology*, 97:5507–5515 DOI 10.1007/s00253-013-4765-5
71. Tzoraki, O, Cooper, D., Kjeldsen, Th., **Nikolaidis, N. P.**, Gamvroudis, Ch. Froebrich, J. Querner, E., Gallart, F. and Karalemas, N. 2013. Flood Generation and Classification of a semi-arid Intermittent Flow Watershed: Evrotas river, *International Journal of River Basin Management*, 11:1, 77-92.
72. Nikolaos P. Nikolaidis, Leeda Demetropoulou, Jochen Froebrich, Claire Jacobs, Fransesc Gallart, Narcis Prat, Antonio LoPorto, Vassilis Papadoulakis, Claudia Campana, Nikolaos Skoulikidis, Thierry Davy, Giovanni Bidoglio, Faycal Bouraoui, Mike Kirby, Marie-George Tournoud, Stefano Polesello, Gonzalo González Barberá, David Cooper, Rosa Gomez, Maria del Mar Sanchez, Anna-Maria De Girolamo, 2013. Towards a sustainable management of Mediterranean river basins - Policy recommendations on management aspects of temporary river basins, *Water Policy*, 15, 830–849.
73. Lenny H.E. Winkel, Barbara Casentini, Fabrizio Bardelli, Andreas Voegelin, **Nikolaos P. Nikolaidis**, Laurent Charlet, 2013. Speciation of arsenic in Greek travertines: Co-precipitation of arsenate with calcite, *Geochimica et Cosmochimica Acta*, 106, 99–110.
74. Stamati F., **N.P. Nikolaidis**, J.L. Schnoor. 2013. The role of soil texture on carbon and nitrogen sequestration in agricultural soils of different climates. *Agriculture, Ecosystems and Environment*, 165, 190-200.
75. **Nikolaidis, N.P.** and G. Bidoglio, 2013. Soil Organic Matter Dynamics and Structure, *Sustainable Agriculture Reviews*, 12, 175-200.
76. **Nikolaidis, N.P.**, F. Bouraoui. and G. Bidoglio, 2013. Hydrologic and geochemical modeling of a karstic Mediterranean watershed, *Journal of Hydrology*, 477, 129-138.
77. Banwart SA, Bernasconi S, Bloem J, Blum W, de Souza DM, Chabaux F, Duffy C, Lundin L, Kram P, **Nikolaidis N**, Novak M, Panagos P, Ragnarsdottir KV, Reynolds B, Robinson D, Rousseva S, de Ruyter P, van Gaans P, Weng L, White T, Zhang B. (2012) Soil Processes and functions across an International Network of Critical Zone Observatories: introduction to experimental methods and initial results. *Comptes Rendus Geosciences*, 344, 758-772.
78. Gallart F., N. Prat, E. M. Garcia-Roger, J. Latron, M. Rieradevall, P. Llorens, D. Brito, A.M. De Girolamo, G. Gonzalzar-Barbera, A. Lo Porto, A. Buffagni, S. Erba, R. Neves, **N.P. Nikolaidis**, J. L. Perrin, E.P. Querner, J.M. Quinonero, M.G. Tournoud, O. Tzoraki, R. Gomez, M. M. Sanchez-Montoya and J. Froebrich, 2012. A novel approach to analysing the regimes of temporary streams in relation to their controls on the composition and structure of aquatic biota, *Hydrology and Earth System Sciences (HESS)*, 16, 3165-3182.
79. Moraetis D., **N.P. Nikolaidis**, G.P. Karatzas, Z. Dokou, N. Kalogerakis, L. Winkel, and A. Palaiogianni-Bellou, 2012. Origin and mobility of hexavalent chromium in north-eastern Attica, Greece, *Applied Geochemistry*, 27(6) 1170-1178.

80. Kourgialas, N.N., G.P. Karatzas, and **N.P. Nikolaidis**, 2012. Development of a thresholds methodology for real-time flash flood prediction in a complex geomorphological river basin, *Hydrologic Processes*, 26, 1478-1494. DOI: 10.1002/hyp.8272.
81. Casentini, B., S.J. Hug, **N.P. Nikolaidis**, 2011. Arsenic accumulation in irrigated agricultural soils in Northern Greece, *Science of Total Environment*, 409,4802-4810.
82. Banwart S., S. Bernasconi, J. Bloem, W. Blum, M. Brandao, S. Brantley, F. Chabaux, C. Duffy, L. Lundin, P. Kram, **N.P.Nikolaidis**, M. Novak, P. Panagos, K. V. Ragnarsdottir, B. Reynolds, S. Rousseva, P. de Ruyter, P. van Gaans, W. van Riemsdijk, T. White, B. Zhang, 2011. Assessing Soil Processes and Function across an International Network of Critical Zone Observatories: Research hypotheses and experimental design, *Vadose Zone Journal*, 10, 978-987.
83. **Nikolaidis, N.P**, 2011. Human Impacts on Soil: Tipping Points and Knowledge gaps, *Applied Geochemistry*, 26, S230-S233.
84. Moraetis, D., F., Stamati, M., Kotronakis, T., Fragia, N., Paranychnianakis and **N.P., Nikolaidis**, 2011. Identification of hydrologic and geochemical pathways using high frequency sampling, REE aqueous sampling and soil characterization at Koiliaris Critical Zone Observatory, *Applied Geochemistry*, 26, S101-S104.
85. Stamati F., **N.P. Nikolaidis**, D. Venieri, E. Psillakis, and N. Kalogerakis, 2011. Dissolved organic nitrogen as an indicator of livestock impacts on soil biochemical quality. *Applied Geochemistry*, 26, S340-S343.
86. Moraetis, D., F. Stamati, **N.P. Nikolaidis** and N. Kalogerakis, 2011. Olive mill waste water irrigation of maize: Impacts on Soil and Groundwater, *Agricultural Waste Management*, 98, 1125-1132.
87. Demetropoulou, L., **N.P. Nikolaidis**, V. Papadoulakis, K. Tsakiris, Th. Koussouris, N. Kalogerakis, K. Koukaras, A. Chatzinikolaou and K. Theodoropoulos, 2010. Water Framework Directive implementation in Greece: moving towards participatory governance – the case of the Evrotas River Basin Management Plan, *Environmental Governance and Policy*, 20, 336-349.
88. Moraetis, D., D. Efstathiou, F. Stamati, O. Tzoraki, **N.P. Nikolaidis**, J.L. Schnoor, and K. Vozinakis, 2010. High frequency monitoring for the identification of hydrological and biochemical processes in a Mediterranean river basin, *J. of Hydrology*, 389:127-136.
89. Kourgialas, N.N., G.P. Karatzas, and **N.P. Nikolaidis**, 2010. An integrated framework for the hydrologic simulation of a complex geomorphological river basin, *J. of Hydrology*, 381:308-321.
90. Stamati F.E., N. Chalkias, D. Moraetis and **N.P. Nikolaidis**, 2010. Natural attenuation of nutrients in a Mediterranean drainage canal, *Journal of Environmental Monitoring*, 12:164-171.
91. Dimitriou, E., E. Moussoulis, F. Stamati and **N.P. Nikolaidis**, 2009. Modelling hydrological characteristics of Mediterranean Temporary Ponds and potential impacts from climate change, *Hydrobiologia*, 634: 195-208.
92. Tsimas, E.S., K. Tyrovola, N.P. Xekoukoulotakis, **N. P. Nikolaidis**, E. Diamadopoulos, and D. Mantzavinos, 2009. Simultaneous Photocatalytic Oxidation of As(III) and Humic Acid in Aqueous TiO₂ Suspensions, *J. of Hazardous Materials*, 169: 376–385.
93. Tyrovola, K., and **N.P. Nikolaidis**, 2009. Arsenic mobility and stabilization in topsoils. *Water Research* 43: 1589 – 1596.

94. **Nikolaidis, N.P.**, A. Karageorgis, V. Kapimalis, P. Drakopoulou, N. Skoulikidis, H. Behrendt, and Z. Levkov, 2009. Management of Nutrient Emissions of Axios River Catchment: their Effect in the Coastal Zone of Thermaikos Gulf-Greece. *Ecological Modeling*, 220: 383–396.
95. Tzoraki, O., **N. P. Nikolaidis**, A. Trancoso, F. Braunschweig, and R. Neves, 2009. A Generalized Reach–Scale Biogeochemical Model for Temporary Rivers, *Hydrologic Processes*, 23: 272-283.
96. **Nikolaidis, N.P.**, 2008. Bridging fate, exposure and ecotoxicity of contaminants, *Environmental Research*, 106, 287-288 (Guest Editorial of Special Issue).
97. Stamati, F., **N.P. Nikolaidis**, E. Dimitriou and Th. Koussouris, 2008. Hydro-geochemical aspects of Mediterranean temporary ponds in western Crete. *Journal of Environmental Quality*, 37(1) 164-173.
98. Hellerich L.A., **N.P. Nikolaidis** and G.M. Dobbs, 2008. Evaluation of the potential for the natural attenuation of hexavalent chromium within a sub-wetland ground water. *Journal of Environmental Management*, 88:1513-1524.
99. Tzoraki, O. and **N.P. Nikolaidis**, 2007. A Generalized Framework for Modeling the Hydrologic and Biogeochemical Response of a Mediterranean Temporary River Basin. *Journal of Hydrology* 346, 112-121.
100. Kokkinaki, A., O. Tzoraki, K. Tyrovola, and N.P. Nikolaidis, 2007. Mobility of Copper in Greenhouse Soils. *Journal of Hazardous Materials*, 149, 557-561.
101. Tyrovola, K., E. Peroulaki, and **N.P. Nikolaidis**, 2007. Modeling of Arsenic Immobilization by Zero Valent Iron. *European Journal of Soil Biology* 43, 356-367.
102. Tzoraki, O., **N.P. Nikolaidis**, Y. Amaxidis, and N.Th. Skoulikidis, 2007. In-Stream Biogeochemical Processes of a Temporary River. *Environmental Science and Technology* 41(4), 1225-1231.
103. **Nikolaidis, N.P.**, N. Skoulikidis and A. Karageorgis, 2006. Pilot implementation of EU policies in Acheloos river basin and coastal zone, *European Water*, 13/14: 45-53.
104. Tyrovola, K., **N.P. Nikolaidis** N. Veranis, N. Kallithrakas-Kontos, P.E. Koulouridakis, 2006. Arsenic Removal From Geothermal Waters With Zero-Valent Iron – Effect of Temperature, Phosphate and Nitrate. *Water Research*, 40, pp. 2375-2386.
105. **Nikolaidis, N.P.**, A. Karageorgis, V. Kapimalis, G. Marconis, P. Drakopoulou, H. Kontoyiannis, E. Krasakopoulou, A. Pavlidou, and K. Pagou, 2006. Circulation and Nutrient Modeling of Thermaikos Gulf, Greece. *Journal of Marine Systems*, 60, pp. 51-62.
106. **Nikolaidis, N.P.**, Zheng, H., and van Geen, A., 2005. Removal of Arsenic from Bangladesh Groundwater with Zero Valent Iron. In: *Advances in Arsenic Research: Integration of Experimental and Observational Studies and Implications for Mitigation*, Eds: P.A. O’Day, D. Vlassopoulos, X. Meng, and L.G. Benning. ACS Symposium Series 915, pp. 361-371.
107. Cheng Z., A. Van Geen, **N.P. Nikolaidis**, R. Bailey, 2005. Removal of Methylated Arsenic in Groundwater with iron Filings. *Environmental Science and Technology*, 39 (19), 7662-7666.
108. Hellerich L.A., and **N.P. Nikolaidis**, 2005. Studies of Hexavalent Chromium Attenuation in Redox Variable Soils Obtained From a Sandy to Sub-Wetland Groundwater Environment. *Water Research*, 39: 2851-2868.
109. Hellerich L.A., and **N.P. Nikolaidis**, 2005. Sorption Studies of Mixed Chromium and Chlorinated Ethenes at the Field and Laboratory Scales. *Journal of Environmental Management*, 75: 77-88.

110. Karageorgis A.P., Skourtos M.S., Kapsimalis V., Kontogianni A.D., Skoulikidis N.Th., Pagou K., **Nikolaidis N.P.**, Drakopoulou P., Zanou B., Karamanos H., Levkov Z., Anagnostou Ch., (2005). An integrated approach to watershed management within the DPSIR Framework: Axios River catchment and Thermaikos Gulf. *Regional Environmental Change*, 5: 138-160.
111. **Nikolaidis, N.P.**, G.M. Dobbs, and J.A. Lackovic, 2004. Arsenic Mobility in Contaminated Lake Sediment, *Environmental Pollution*, 129, 479-487.
112. Karageorgis A.P., **N.P. Nikolaidis**, H. Karamanos, and N.Skoulikidis, 2003. Water and sediment quality assessment of Axios River and its coastal environment, *Continental Shelf Research* 23, 1929-1944.
113. Hellerich L.A., P.M. Oates, C.R. Johnson, **N.P. Nikolaidis**, C.F. Harvey, and P.M. Gschwend, 2003. Bromide Transport Before, During, and After Colloid Mobilization in Push-Pull Tests and the Implications for Changes in Aquifer Properties, *Water Resources Research*, 39(10) 1301
114. Hellerich, L.A, Panciera, M.A., **Nikolaidis, N P.**, Smets, B. F., and Dobbs, G.M. 2003. Attenuation of a mixed chromium and chlorinated ethene groundwater plume in estuarine influenced glaciated sediments. *Ground Water Monitoring and Remediation*, 23(3): 74-84.
115. Michels, H.T., B. Boulanger, and **N.P. Nikolaidis**, 2003. Environmental Impact of Stormwater Runoff from a Copper Roof. *Materials Performance, Corrosion, Prevention and Control Worldwide*, 42(2), 70-75.
116. **Nikolaidis, N.P.**, G.M. Dobbs, J. Chen, and J.A. Lackovic, 2003. Arsenic Removal by Iron Fillings: Field, Laboratory and Modeling Studies, *Water Research*, 37 (6), 1417-1425.
117. Boulanger, B. and **N.P. Nikolaidis**, 2003. Modeling Framework for Managing Copper Runoff in Urban Watersheds, *Journal American Water Resources Association*, 39(2): 325-336.
118. Boulanger, B. and **N.P. Nikolaidis**, 2003. Mobility and Aquatic Toxicity of Copper in an Urban Watershed, *Journal American Water Resources Association*, 39(2) 337-345.
119. **Nikolaidis, N.P.**, and Hellerich, L.A., 2002. Natural restoration of heavy metal contaminated soils: The role of interfacial processes. . In: *Groundwater Quality: Natural and Enhanced Restoration of Groundwater Pollution*, Eds. S.F. Thornton and S.E. Oswald, **IAHS Publication no. 275**, 127-132
120. Boulanger B., **N.P. Nikolaidis**, and N. W. Garrick, 2001. Use of X-ray Fluorescence Spectrometry to Detect Residual Chlorine in Road Salt Deicer Samples. *Applied Spectroscopy*, 55 (11) 1568-1571.
121. Johnson, C.R., Hellerich, L.A., **Nikolaidis, N.P.**, and P.M. Gschwend 2001. Colloid Mobilization in the Field Using Citrate to Remediate Chromium. *Ground Water*, 39(6): 895-903.
122. **Nikolaidis, N.P.**, and P. Cheeda, 2001. Heavy Metal Mobility in Biosolid-Amended Glaciated Soils. *Water Environment Research Journal*, January/February, 73 (1), 80-86.
123. **Nikolaidis, N.P.**, and H. Shen, 2000. Development and Application of a Conceptual Site Model for Evaluating Contaminant Mobility and Remediation. *Global NEST: The International Journal*, 2(1) 67-76.
124. Lackovic, J.A., **N.P. Nikolaidis**, and G.M. Dobbs, 2000. Inorganic Arsenic Removal by Zero-Valent Iron. *Environmental Engineering and Science*, 17(1), 29-39.
125. Bruell, R., **N.P. Nikolaidis**, and R.P. Long, 1999. Evaluation of Remedial Alternatives of Lead From Shooting Range Soil. *Environmental Engineering and Science*, 16(5), 403-414.

126. **Nikolaidis, N.P.**, L.A. Hellerich, and J.A. Lackovic, 1999, Methodology for Site-Specific, Mobility-Based Cleanup Standards for Heavy Metals in Glaciated Soils. *Environmental Science and Technology*, 33 (17), 2910-2916.
127. **Nikolaidis, N.P.**, P. Cheeda, J.A. Lackovic, K. Guillard, B. Simpson, and T. Pedersen, 1999. Nitrogen Mobility in Biosolid-Amended Glaciated Soils. *Water Environment Federation, Research Journal*, 71(3), 368-376.
128. Hu, H-L, **N.P. Nikolaidis**, and D. Grasso, 1998. Inhibition of nickel precipitation by gluconate: Part I. Kinetic studies and spectroscopic analyses. *Journal of Environmental Engineering, ASCE*, 124 (8), 677-684.
129. Hu, H-L, **N.P. Nikolaidis**, D. Grasso, 1998. Inhibition of nickel precipitation by gluconate: Part II. Mechanistic modeling. *Journal of Environmental Engineering, ASCE*, 124 (8), 685-689.
130. **Nikolaidis, N.P.**, H. Heng, R. Semagin, and J.C. Clausen, 1998. Non-Linear Response of a Mixed Land Use Watershed to Nitrogen Loading. *Agriculture, Ecosystems and Environment*, 67, 251-265.
131. Hu, H-L, H-M Chen, **N.P. Nikolaidis**, D.R. Miller and X. Yang, 1998. Estimation of nutrient atmospheric deposition to Long Island Sound. *Water, Air and Soil Pollution*, 105 (3-4) 521-538.
132. Heng, H. and **N.P. Nikolaidis**, 1998. Distributed Modeling of Nonpoint Source Pollution of Nitrogen. *Journal of American Water Resources Association*, 34 (2) 359-374.
133. Grasso, D., M.A. Butkus, O'Sullivan, D., and **N.P. Nikolaidis**, 1997. Soil Washing Design Methodology for a Lead-Contaminated Sandy-Soil. *Water Research*, 31(12), 3045-3056.
134. Olazabal, M.A., **N.P. Nikolaidis**, S.L. Suib, and J.M. Madariaga, 1997. Precipitation Equilibria of the Cr(VI)/Fe(III) System and Spectroscopic Characterization of the Precipitates. *Environmental Science and Technology*, 31(10), 2898 - 2902.
135. Lackovic, J.A., **N.P. Nikolaidis**, P. Cheeda, R.J. Carley, and E. Patton, 1997. Evaluation of batch leaching procedures for estimating heavy metal mobility in glaciated soils. *Ground Water Monitoring and Remediation*, 17 (3), 231-240.
136. Shen, H. and **N.P. Nikolaidis**, 1997. A Direct Substitution Method for Multicomponent Solute Transport in Ground Water. *Ground Water*, 35(1), 67-78.
137. Yang, X., D.R. Miller, X. Xu, L.H. Yang, H-M. Chen, and **N.P. Nikolaidis**, 1996. Spatial and Temporal Variations of Atmospheric Deposition in Interior and Coastal Connecticut. *Atmospheric Environment*, 30(22), pp. 3801-3810.
138. Mattuck, R. and **N.P. Nikolaidis**, 1996. Chromium Mobility in Freshwater Wetlands. *Journal of Contaminant Hydrology*, 23(3) 213-232.
139. **Nikolaidis, N.P.**, T.E., Koussouris, Murray, T, Bertahas, I., and Diapoulis, A., 1996. Seasonal Variation of Nutrients and Heavy Metals in *Phragmites australis* of Lake Trichonis, Greece. *Lake and Reservoir Management Journal*, 12(3), pp. 364-370.
140. **Nikolaidis, N.P.**, Robbins, G.A., Scherer, M., McAninch, B., Binkhorst, G., Asikainen, J.M. and Suib, S., 1994. Vertical Distribution and Partitioning of Chromium Contamination in a Glacio-Fluvial Aquifer. *Groundwater Monitoring and Remediation*, Vol. 14, No. 3, pp. 150-159.

141. Asikainen, J.M., and **Nikolaidis, N.P.**, 1994. Sequential Extraction of Chromium From Contaminated Aquifer Sediments. *Groundwater Monitoring and Remediation*, Vol. 14, No. 2, pp. 185-191.
142. **Nikolaidis, N.P.**, Hu., H., and Ecsedy, C., 1994. Effects of Climatic Variability on Freshwater Watersheds: Case Studies. *Aquatic Sciences*, Vol. 56, No. 2, pp. 161-178.
143. Geigert, M.A., **Nikolaidis, N.P.**, Miller D.R., and Heitert, J., 1994. Deposition Rates for Sulfur and Nitrogen to a Hardwood Forest in Northern Connecticut. *Atmospheric Environment*, Vol. 28, No. 9, pp. 1689-1697.
144. **Nikolaidis, N.P.**, Hu., H., Ecsedy, C., and J. D. Lin 1993. Hydrologic Response of Freshwater Watersheds to Climatic Variability; Model Development. *Water Resources Research*, Vol. 29, No. 10, pp. 3317-3328.
145. **Nikolaidis, N.P.**, Shen, H., Heng, H., Hu, H.-L., and Clausen, J.C., 1993. Movement of Nitrogen Through an Agricultural Riparian Zone: 2. Distributed Modeling. *Water Science and Technology*, Vol. 28, No. 3-5, pp.613-623.
146. Mukhopadhyay, N., Bendel, R.B., **Nikolaidis, N.P.**, and Chattopadhyay, 1992. Efficient Sequential Sampling Strategies for Long-Term Environmental Monitoring. *Water Resources Research*, Vol. 28, No. 9, pp. 2245-2256.
147. **Nikolaidis, N.P.**, Nikolaidis, V.S. and Schnoor, J.L. 1991. Assessment of Episodic Freshwater Acidification in the Sierra Nevada, California. *Aquatic Sciences*, Vol. 53/4, pp. 330-345.
148. **Nikolaidis, N.P.**, Muller, P.K., Schnoor, J.L. and Hu, H.L. 1991. Modeling the Hydrogeochemical Response of a Stream to Acid Deposition Using the Enhanced Trickle-Down Model. *Research Journal of Water Pollution Control Federation*, Vol. 63, No. 3, pp. 220-227.
149. **Nikolaidis, N.P.**, Ecsedy, C. Nikolaidis, V.S., Olem, H., Saldi, K., and Tarbox S. 1991. Global Climate Change and Acidic Deposition. *Research Journal of Water Pollution Control Federation*, .Vol. 63, No. 4, pp. 735-746.
150. **Nikolaidis, N.P.**, Nikolaidis, V.S., Olem, H. and Ecsedy, C. 1990. Acidic Deposition and Global Climate Change. *Research Journal of Water Pollution Control Federation*, Vol. 62, No. 4, pp. 630-640.
151. **Nikolaidis, N.P.**, Nikolaidis, V.S. and Olem, H. 1989. Acidic Precipitation. *Journal of Water Pollution Control Federation*, Literature Review Issue, Vol. 61, No. 6, pp. 1109-1117.
152. Georgakakos, K.P., Valle-Filho, G.M., **Nikolaidis, N.P.** and Schnoor, J.L. 1989. Lake Acidification Studies: The Role of Input Uncertainty in Long-Term Predictions. *Water Resources Research*, Vol. 25, No. 7, pp. 1511-1518.
153. **Nikolaidis, N.P.**, Schnoor, J.L., and Georgakakos, K.P. 1989. Modeling of Long-Term Lake Alkalinity Responses to Acid Deposition. *Journal of Water Pollution Control Federation*, Vol. 61, No. 2, pp. 188-199.
154. **Nikolaidis, N.P.**, Rajaram, H., Schnoor, J.L., and Georgakakos, K.P. 1988. Generalized Softwater Acidification Model. *Water Resources Research*, Vol. 24, No. 12, pp. 1983-1996.
155. Schnoor, J.L., Lee, S., **Nikolaidis, N.P.**, and Nair, D.R. 1986. Lake Resources at Risk to Acidic Deposition in the Eastern United States. *Water, Air and Soil Pollution*, Vol. 31, pp. 1091-1101.
156. Schnoor, J.L, **Nikolaidis, N.P.**, and Glass, G.E. 1986. Lake Resources at Risk to Acidic Deposition in the Upper Midwest. *Journal of Water Pollution Control Federation*, Vol. 58, No. 2, pp. 139-148.

157. **Nikolaidis, N.P.**, Kousouris, T., Fotis, G. and Papachristou, E. 1985. Trophic Status Assessment of Lake Vegoritida, Greece. ISEM Journal, Vol. 7, No. 3-4, pp. 11-26.

Peer-Reviewed Paper Proceedings:

1. Bales RC, Conklin MH, Kumar P, Nikolaidis NP, Chorover J, and McDowell WH., 2019. Understanding and valuing sustainability in the critical zone, AGU 100, Fall Meeting, San Francisco, CA 9-13 December 2019.
2. Morianou, G.G., Kourgialas, N.N., Karatzas, G.P. and Nikolaidis N.P., 2016. Hydraulic and sediment transport simulation of Koiliaris River Using the MIKE 21C Model, *Procedia Engineering*, 162, 463-470.
3. Dionisios Efstathiou, Nikolaos P. Nikolaidis, Anna Malago, Faycal Bouraoui, and Giovanni Bidoglio, 2016. Historical reconstruction of landuse change and climate timeseries and their impacts on the hydrologic & geochemical response of Koiliaris Critical Zone Observatory (CZO), ILTER 1st OPEN SCIENCE MEETING, Long-Term Ecosystem Research for sustainability under global changes: Findings and challenges of LTER from local to global scales. 9-13 October 2016 in the Kruger National Park, South Africa.
4. Nikolaos P. Nikolaidis, George Giannakis, Dionissis Efstathiou, Sotiria Panakoulia, Sofia Nerantzaki and Nikolaos V. Paranychianakis, 2016. Koiliaris Critical Zone Observatory (Koiliaris CZO): A Platform for Development and Testing of Tools for Sustainable Water and Soil Management, ILTER 1st OPEN SCIENCE MEETING, Long-Term Ecosystem Research for sustainability under global changes: Findings and challenges of LTER from local to global scales. 9-13 October 2016 in the Kruger National Park, South Africa.
5. Kolokotsa Dionysia, Nikolaos Nikolaidis, 2016. The role of Nature Based Solutions in Climate Change Mitigation and Adaptation, 4th International Conference on Countermeasures to Urban Heat Island, 30-31 May and 1 June 2016, National University of Singapore, Singapore.
6. Dimitriou A., Giannakis G., Nerantzaki S., Nikolaidis N.P. 2016. HYDROLOGIC AND GEOCHEMICAL MODELING OF KERITIS RIVER BASIN, 2nd EWaS International Conference: "Efficient & Sustainable Water Systems Management toward Worth Living Development", June 1-4, Chania, Crete, Greece.
7. Kouri A. I., S.D. Nerantzaki., G.V. Giannakis., N.P. Nikolaidis. 2016. HYDROLOGICAL MODELING OF A MEDITERRANEAN WATERSHED AND EVALUATION OF A PROPOSED DAM, 2nd EWaS International Conference: "Efficient & Sustainable Water Systems Management toward Worth Living Development", June 1-4, Chania, Crete, Greece.
8. Gamvroudis C.C., Nikolaidis N.P. , Karatzas G.P., Dokou Z., 2016. Simulating the spatio-temporal distribution of groundwater levels under climate change scenarios using an integrated surface-ground water model, 2nd EWaS International Conference: "Efficient & Sustainable Water Systems Management toward Worth Living Development", June 1-4, Chania, Crete, Greece.
9. LILLI, M.A., N.P. NIKOLAIDIS, N. KALOGERAKIS AND G. KARATZAS, 2016. IMPACT OF GEOGENIC Cr(VI) CONTAMINATION ON HUMAN HEALTH - RISK ASSESSMENT OF CARROT CONSUMPTION, 5th International Conference on Industrial and Hazardous Waste Management "CRETE 2016", September 27th – 30th, 2016, Chania, Crete, Greece.
10. Panakoulia,S.K., E. Kotronakis, G.V. Giannakis, N.V. Paranychianakis, N.P. Nikolaidis, 2016. SIMULATING SOIL STRUCTURE AND CARBON UNDER DIFFERENT AGRICULTURAL PRACTISES USING THE CAST MODEL, ORBIT 2016, 10th International Conference on "Circular Economy and Organic Waste", May 25-28, Herakleion, Crete, Greece.

11. Galliou, F, M. Fountoulakis, J. Sampathianakis, N. Markakis, A. Papadaki, G. Daskalakis, P. Tzaferou, T. Manios, M. Saru, N. P. Nikolaidis, P. Paraskevopoulos, A. Niarhos, E. Vlassi, M. Kalogeropoulos, P. Spyropoulou, G. Giannakis, Mikeoglou, F. Christodoulopoulos A. Papadopoulou, N. Mortimer, L. Fletcher and E. Stentiford, 2016. THE CONDENSE LIFE PROJECT, ORBIT 2016, 10th International Conference on "Circular Economy and Organic Waste", May 25-28, Herakleion, Crete, Greece.
12. Demetropoulou L., G. V. Giannakis, N. P. Nikolaidis, T. Manios, F. Galliou, A. Niarchos, 2016. A INNOVATIVE LIFE CYCLE ANALYSIS METHODOLOGY TO ASSESS THE IMPACT OF THE VALORIZATION OF AGRICULTURAL WASTE PRODUCTS: THE CASE OF THE CONDENSE COMPOST, ORBIT 2016, 10th International Conference on "Circular Economy and Organic Waste", May 25-28, Herakleion, Crete, Greece.
13. Lilli M., S. Panakoulia, L. Dimitropoulou, F. Galliou, A. Papadaki, T. Manios, N. Nikolaidis, A. Niarhos, 2016. COST BENEFIT ANALYSIS OF THE PRODUCTION AND APPLICATION OF THE CONDENSE COMPOST, ORBIT 2016, 10th International Conference on "Circular Economy and Organic Waste", May 25-28, Herakleion, Crete, Greece.
14. Galliou F., M. Fountoulakis, J. Sampathianakis, N. Markakis, A. Maragkaki, A. Papadaki, G. Daskalakis, P. Tzaferou, M. Saru , N. Nikolaidis, T. Manios, 2016. THE CONDENSE' S FERTILIZER AGRONOMIC EVALUATION, ORBIT 2016, 10th International Conference on "Circular Economy and Organic Waste", May 25-28, Herakleion, Crete, Greece.
15. Galliou F., M. Fountoulakis, J. Sampathianakis, N. Markakis, A. Maragkaki, A. Papadaki, G. Daskalakis, P. Tzaferou, M. Saru , N. Nikolaidis, T. Manios, 2016. THE CONDENSE' S FERTILIZER PRODUCTION PROCESS, ORBIT 2016, 10th International Conference on "Circular Economy and Organic Waste", May 25-28, Herakleion, Crete, Greece.
16. Konstantia Moirogiorgou, Sofia Nerantzaki, Giorgos Livanos, Marios Antonakakis, Nikolaos P. Nikolaidis, Euripides G.M. Petrakis, Andreas E. Savakis, George Giakos, Michalis Zervakis, and Katerina Mania 2015. *Color characteristics for the evaluation of suspended sediments* , IEEE-IST International Conference, Macau, China; 09/2015.
17. Nikolaos P. Nikolaidis, Sofia Nerantzaki, Dionissios Efstathiou, Georgios Giannakis, Konstantia Moirogiorgou and Michalis Zervakis, 2015. NOVEL APPROACHES FOR ASSESSING CONTAMINANT FLUXES DURING FLASH FLOOD EVENTS, e-proceedings of the 6th European Bioremediation Conference , Chania, Crete, Greece ☐ June 29 – July 2, 2015 INVITED
18. S. Voutsadaki, N.P. Nikolaidis, 2015. EVALUATION OF IN-SITU MEASUREMENT OF HEAVY METALS USING THE METALYSER-HM1000, e-proceedings of the 6th European Bioremediation Conference , Chania, Crete, Greece ☐ June 29 – July 2, 2015 INVITED
19. G.G. Morianou, N.N. Kourgialas, G.P. Karatzas and N.P. Nikolaidis 2015. 2D Simulation of water depth and flow velocity using the MIKE 21C Model, 14th International Conference on Environmental Science and Technology CEST2015, 3th-5th September 2015, Rhodes, Greece.
20. Elena Ioannidou, Aikaterini Flori, Emmanouil A. Varouchakis, Georgios Giannakis, Anthi Eirini K Vozinaki, George P. Karatzas, and Nikolaos Nikolaidis, 2015. Determination of riverbank erosion probability using LocallyWeighted Logistic Regression, European Geosciences Union General Assembly 2015 Vienna | Austria | 12 April – 17 April 2015, Vol. 17, EGU2015-9265
21. Sofia Nerantzaki, Konstantia Moirogiorgou, Dionissis Efstathiou, George Giannakis, Stella Voutsadaki, Michalis Zervakis, Ioannis A Sibetheros, Ierotheos Zacharias, George P Karatzas, and Nikolaos P Nikolaidis, 2015. Development of an Integrated Suspended Sediment Sampling System - Prototype Results, European

Geosciences Union General Assembly 2015 Vienna | Austria | 12 – 17 April 2015, Vol. 17, EGU2015-698, 2015, 2015

22. Lilli M., Moraetis D., Nikolaidis N.P., Kalogerakis N, Karatzas G.P., 2014. Elucidating the mechanisms of chromium release from geogenic processes, 4th International Conference on Industrial and Hazardous Waste Management (CRETE 2014), 2-5 September 2014, Chania, Crete, Greece
23. P. Alvanitopoulos, I. Andreadis, N. Georgoulas, M. Zervakis, and N. Nikolaidis, 2014. Solar radiation time-series prediction based on Empirical Mode Decomposition and Artificial Neural Networks, 10th IFIP Int. Conf. on Artificial Intelligence & Applications, Rhodes, Greece, September 2014.
24. P. Alvanitopoulos, I. Andreadis, N. Georgoulas, M. Zervakis, N. Nikolaidis, 2014. Solar radiation prediction model based on Empirical Mode Decomposition, IEEE Imaging Systems and Techniques (IEEE IST) 2014, Oct 14-17, Santorini, Greece
25. Nerantzaki S., Efstathiou D., Giannakis G., Nikolaidis N.P, Sibetheros I.A., Zacharias I., Kotsovinos N., 2014. SedTrap: Preliminary assessment of an integrated suspended sediment sampling device, Proceedings of the 12th International Conference on Protection and Restoration of the Environment, Editors: A. Liakopoulos, A. Kungolos, C. Christodoulatos, A. Koutsopsyros, Skiathos Island, Greece, pp. 672-679.
26. Gountanis G., Nikolaidis N.P., Krám P., Lamacová A., 2014. Modeling the hydrologic response of Lysina catchment (Czech Republic) using the SWAT model, Proceedings of the 12th International Conference on Protection and Restoration of the Environment, Editors: A. Liakopoulos, A. Kungolos, C. Christodoulatos, A. Koutsopsyros, Skiathos Island, Greece, pp. 16-22.
27. Nikolaidis N. P., Valstar J., Rowe E. C., Moirogiorgou K., Kotronakis E., Giannakis G., Panakoulia S., Paranychianakis N. and Stamati F.E., 2014. Modeling Soil Functions and Ecosystem Services with the Integrated Critical Zone Model, Proceedings of the 12th International Conference on Protection and Restoration of the Environment, Editors: A. Liakopoulos, A. Kungolos, C. Christodoulatos, A. Koutsopsyros, Skiathos Island, Greece, pp. 1344-1349.
28. Zacharias I., E. Moussoulis E. and Nikolaidis N.P. 2014. Modeling water balance, hydrodynamics and sediment transport in Upper Acheloos River, Proceedings of the 12th International Conference on Protection and Restoration of the Environment, Editors: A. Liakopoulos, A. Kungolos, C. Christodoulatos, A. Koutsopsyros, Skiathos Island, Greece, pp. 450-457.
29. Vavlas N.C., Nikolaidis N.P., Paranychianakis N. and Kotronakis M., 2014. Modeling of soil structure and soil carbon sequestration in intensively cultivated fields using organic amendments, Proceedings of the 12th International Conference on Protection and Restoration of the Environment, Editors: A. Liakopoulos, A. Kungolos, C. Christodoulatos, A. Koutsopsyros, Skiathos Island, Greece, pp. 377-384.
30. Emmanouil Varouchakis, Nektarios Kourgialas, George Karatzas, Georgios Giannakis, Maria Lilli, and Nikolaos Nikolaidis, "Development of a statistical model for the determination of the probability of riverbank erosion in a Mediterranean river basin", European Geosciences Union General Assembly 2014 Vienna | Austria | 27 April – 02 May 2014, Vol. 16, EGU2014-9787, 2014.
31. Sibetheros I. A., Nerantzaki S, Efstathiou D, Giannakis G, Nikolaidis N. P., 2013. Sediment transport in the Koiliaris river of Crete, 6th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2013), September 19-22, 2013, Corfu Island, Greece.
32. Nikolaidis NP, J Valstar, E Rowe and K Moirogiorgou, 2013. Development of the SWAT-ICZ Model, 2013 International SWAT Conference, July 17-19, Toulouse, France.

33. Lilli, M.A., D. Moraetis, N.P. Nikolaidis, G.P. Karatzas, and N. Kalogerakis, 2013. Characterization and mobility of hexavalent chromium in soils and sediments, 13th International Conference on Environmental Science and Technology, 5-7 September, Athens, Greece.
34. Lilli, M.A., N.P. Nikolaidis, G.P. Karatzas, N. Kalogerakis and M. Mueller, 2013. Mitigation measures for chromium-VI contaminated groundwater and soil using zero valent iron technologies, 13th International Conference on Environmental Science and Technology, 5-7 September, Athens, Greece.
35. Dokou, Z., G.P. Karatzas, N.P. Nikolaidis and N. Kalogerakis, 2013. mapping of chromium in the greater area of Asopos River basin, 13th International Conference on Environmental Science and Technology, 5-7 September, Athens, Greece.
36. Moraetis, D., G. Giannakis, D. Efstathiou, N.P. Nikolaidis, P. van Gaans, M. Vercheul, D. Adrianaki and S. Bernasconi, 2013. Hydro-chemical characterization of White Mountain karstic water at Koiliaris River CZO, 13th International Conference on Environmental Science and Technology, 5-7 September, Athens, Greece.
37. Karaouzas, I., L. Vardakas, O. Tzoraki, N. Nikolaidis, N. Th. Skoulikidis, 2013. Integrated River Basin Management under water stress conditions Case study: the Evrotas River Basin, 1st EWaS-MED International Conference, "Improving Efficiency of Water Systems in a Changing natural and financial Environment", Thessaloniki - Greece, 11-13 April 2013.
38. Voutsadaki, S., M. Daniel, E. Dionissis, G. Giannakis and N.P. Nikolaidis, 2013. High frequency water quality monitoring at Koiliaris Critical Zone Observatory identification of hydrological and geochemical patterns with multivariate analysis, 1st EWaS-MED International Conference, "Improving Efficiency of Water Systems in a Changing natural and financial Environment", Thessaloniki - Greece, 11-13 April 2013.
39. Moirogiorgou, K., D. Efstathiou, M. Zervakis, N.P. Nikolaidis, G. Stamatellos, I. Andreadis, N. Georgoulas and Andreas E. Savakis, 2013. High Frequency Monitoring System for Integrated Water Resources Management of Rivers, 1st EWaS-MED International Conference, "Improving Efficiency of Water Systems in a Changing natural and financial Environment", Thessaloniki - Greece, 11-13 April 2013.
40. Kotronakis M., Paranychianakis N., Voutsadaki S., Nikolaidis N., 2013. Carbon and nitrogen distribution in bulk soil and in water-stable aggregates in a field amended with different organic substrates. CEST 2013, Athens
41. Efstathiou, D., D. Moraetis and NP Nikolaidis, 2012. Environmental Cyberinfrastructure at the Koiliaris Critical zone Observatory, 5th International Conference from Scientific Computing to Computational Engineering, 4-7th, July, Athens, Greece.
42. Christos C. Gamvroudis, Nikolaos P. Nikolaidis, Ourania A. Tzoraki, Vassilis M. Papadoulakis, Nikolaos D. Karalemas, 2012. Hydrologic and Sediment Transport in Complex Mediterranean Catchment, 21st Century Watershed Technology Conference and Workshop Improving Water Quality and the Environment, Sponsored by ASABE, Bari, Italy, May 27 – June 1.
43. Nikolaidis, N.P., L. Demetropoulou and M. L. Saru, 2012, Land application of biosolids: Benefits, Risks and Cost, WWRP2012, Herakleion, 28-30 March.
44. Papafilippaki A. and N.P. Nikolaidis, 2011. Comparison of municipal solid waste compost with various organic amendments, 7^o Panhellenic Congress of Agricultural Machinery, Agricultural University of Athens, 24-27, November.
45. Voutsadaki, S., D. Moraitis, N.P. Nikolaidis, 2011. Mobility of geogenic origin As and Cr in soils. 5th European Bioremediation Conference, ID 191, July 4-7, Chania, Crete, Greece.

46. Giannakis, G., N.N. Kourgialas, N.V. Paranychianakis, N.P. Nikolaidis, N. Kalogerakis, 2011. Effects of solid waste compost on vegetables growth and metals accumulation. 5th European Bioremediation Conference, ID 187, July 4-7, Chania, Crete, Greece.
47. Stamati F.E., M. Kotronakis, T. Fragia, N. Paranychianakis, N. Kalogerakis, N.P. Nikolaidis, 2011. Modeling carbon sequestration potential in Cretan soils. 5th European Bioremediation Conference, ID 224, July 4-7, Chania, Crete, Greece.
48. Kotronakis M., N. Kourgialas, F. Stamati, N. Paranychianakis, N.P. Nikolaidis, N. Kalogerakis, 2011. Evolution of soil carbon and aggregate formation after addition of compost amendments. 5th European Bioremediation Conference, ID 193, July 4-7, Chania, Crete, Greece.
49. Banwart S., S. Bernasconi, J. Bloem, W. Blum, M. Brandao, S. Brantley, F. Chabaux, C. Duffy, L. Lundin, P. Kram, **N.P. Nikolaidis**, M. Novak, P. Panagos, K. V. Ragnarsdottir, B. Reynolds, S. Rousseva, P. de Ruyter, P. van Gaans, W. van Riemsdijk, T. White, B. Zhang, 2011. Critical Zone Ecosystem Services: More than Skin Deep, GES9, Boulder Colorado, USA.
50. Moraitis, D., F. Stamati, N. Kalogerakis and N.P. Nikolaidis, 2010. Environmental and economic impact of olive mill wastewater reuse. ORBIT2010 Organic Resources in a Carbon Economy, June 29-July 3, Herakleion, Crete.
51. Kalogerakis N., N.P. Nikolaidis, and M Lazaridis, 2010. Environmental monitoring of the inter-municipal landfill site of chania: one year experiences, ORBIT2010 Organic Resources in a Carbon Economy, June 29-July 3, Herakleion, Crete.
52. Moraetis D., N.P. Nikolaidis, G.P. Karatzas, N. Kalogerakis, L. Winkel, 2010. Geochemical Evidences of Geogenic Chromium in Oropos Plain Attica, 2nd International Conference on Hazardous and Industrial Waste Management, Oct. 2-5, Chania, Crete.
53. Tzoraki O., L. Vardakas, **N.P. Nikolaidis**, N. Skoulikidis, A. Oikonomou, V. Papadoulakis, K. Tsakiris, Th. Kousouris, I. Karaouzas and S. Zogaris, Contribution for the development of management plans in Evrotas, according to the WFD 2000/60/EE. Common conference of EYE-EEDYP with title "Integrated Water Resources Management under Climatic Changes, Volos, 27-30 May 2009.
54. Stamati, F., **N.P. Nikolaidis**, J.L Schnoor, 2009. Pathways and rates of soil organic matter loss in arable tilled lands of two climate extremes environments. 11th International Conference on Environmental Science and Technology (CEST2009), 3 - 5 September, Chania, Crete, Greece.
55. Tyrovola, K., N.P. Nikolaidis, J.J. Ojeda, M.E. Romero-Gonzalez, and S.A. Banwart, 2008. Identification of iron corrosion products in arsenic remediation using zero valent iron, 1st International Conference "Hazardous Waste Management", Chania (Greece), 1-3 October.
56. Μωραΐτης Δ., Φ. Σταμάτη, Ο. Τζωράκη, Α., Ανδρουλάκη, Ν.Π. Νικολαΐδης, 2008. Συγκριτική μελέτη φυσικο-χημικών χαρακτηριστικών δειγμάτων εδάφους στην είσοδο του σπήλαιου-βάραθρου «Πετραδωλάκια» με ιζήματα από αίθουσες του ίδιου σπηλαίου, 3ο Παγκρήτιο Συμπόσιο Σπηλαιολογίας, Κρήτη
57. Tzoraki O., Moraetis D., Stamati F., Navrozidis S., Kouseri E., Kalogerakis N., Nikolaidis NP.: Fate of Olive mill wastewater in Evrotas river basin, 1st International Conference "Hazardous Waste Management", Chania (Greece), 1-3 October 2008.

58. Tzoraki O., Valta K., Stamati F., Moraetis D., Andrianaki M., Nikolaidis NP., Monitored Natural Attenuation of nutrients at river basin scale – the case of Evrotas river basin. 4th European Bioremediation Conference, 3-6 September Chania, 2008.
59. Kourgialas, N.N., G. P. Karatzas, N. N. Nikolaidis, 2008. Simulation of the flow in the Koiliaris river basin (Greece) using a combination use of GIS, the HSPF model and a Karstic– Snow melt model, iEMSs 2008: International Congress on Environmental Modelling and Software Integrating Sciences and Information Technology for Environmental Assessment and Decision Making 4th Biennial Meeting of iEMSs, M. Sánchez-Marrè, J. Béjar, J. Comas, A. Rizzoli and G. Guariso (Eds.) International Environmental Modelling and Software Society (iEMSs).
60. Ν. ΝΙΚΟΛΑΙΔΗΣ, Ο. ΤΖΩΡΑΚΗ, Μ. ΑΝΔΡΙΑΝΑΚΗ, Φ. ΣΤΑΜΑΤΗ, Ν. ΣΚΟΥΛΙΚΙΔΗΣ, Ν. ΚΑΛΟΓΕΡΑΚΗΣ, Κ. ΤΣΑΚΙΡΗΣ, Θ. ΚΟΥΣΟΥΡΗΣ, 2007. Σχέδιο Διαχείρισης της Λεκάνης Απορροής του Ποταμού Ευρώτα : Προκαταρκτική Φάση, 6^ο Εθνικό Συνέδριο Ελληνικής Επιτροπής Διαχείρισης Υδατικών Πόρων, Ιούνιος 14-16, Χανιά.
61. Μ. ΑΝΔΡΙΑΝΑΚΗ, Ο. ΤΖΩΡΑΚΗ, Φ. ΣΤΑΜΑΤΗ, Β. ΠΑΠΑΔΟΥΛΑΚΗΣ, Η. ΜΠΕΡΤΑΧΑΣ, Ε. ΨΥΛΛΑΚΗ, Ν. ΝΙΚΟΛΑΪΔΗΣ, 2007. Ελεγχόμενη Φυσική Αποκατάσταση Θρεπτικών στη Λεκάνη Απορροής του Ποταμού Ευρώτα, 6^ο Εθνικό Συνέδριο Ελληνικής Επιτροπής Διαχείρισης Υδατικών Πόρων, Ιούνιος 14-16, Χανιά.
62. Φ. ΣΤΑΜΑΤΗ, Ο. ΤΖΩΡΑΚΗ, Ν. ΝΙΚΟΛΑΙΔΗΣ, Κ. ΒΟΖΙΝΑΚΗΣ, 2007. Μοντελοποίηση των Εκφορτίσεων του Καρστικού Συστήματος των Λευκών Ορέων στην Κρήτη, 6^ο Εθνικό Συνέδριο Ελληνικής Επιτροπής Διαχείρισης Υδατικών Πόρων, Ιούνιος 14-16, Χανιά.
63. TZORAKI, O., N. NIKOLAIDIS, A. TRANCOSO, F. BRAUNSCHWEIG and R. NEVES, 2007. A Generalized Reach–Scale Biogeochemical Model for Temporary Rivers, EWRA Symposium, June 14-16, Chania, Greece.
64. TZORAKI, O., N. P. NIKOLAIDIS, D. EFSTATHIOU, D. MORAETIS, D. KOUVAS, J. L. SCHNOOR, 2007. Water Resources CyberManagement of Temporary Rivers, EWRA Symposium, June 14-16, Chania, Greece.
65. Tsimas, M., K. Tyrovola, N. P. Xekoukoulotakis, N. P. Nikolaidis, D. Mantzavinos, E. Diamadopoulos, 2007. Simultaneous photocatalytic oxidation of As(iii) and humic acid in TiO₂ water suspensions, 13th Int. Conference Advanced Oxidation Technologies for Treatment of Water, Air and Soil (AOTs-13), Niagara Falls, Sept. 24-27, New York, USA
66. Mantzavinos, D., E. Diamadopoulos, and N. P. Nikolaidis, 2007. Environmental Engineering Curriculum at the Technical University of Crete, Greece, International Conference on Engineering Education – ICEE 2007, Sept. 3-7, Coimbra, Portugal.
67. Tyrovola K. and N.P. Nikolaidis, 2007. Adsorption and release of arsenic from soils in geothermal fields- Stabilization with zero valent iron, *10th International Conference on the Environmental Science and Technology (CEST2007)*, 5 – 7 Sept. 2007, Cos, Greece.
68. Tzoraki, O. and N.P. Nikolaidis, 2006. Hydrologic and biogeochemical Modeling of a Typical Temporary Mediterranean River Basin. Conference Proceedings on Restoration and Protection of the Environment VIII, July 3-7, Chania, Greece.
69. Stamati, F. N.P. Nikolaidis, K. Vozinakis, D. Papamastorakis and M. Kritsotakis, 2006. Stochastic Modeling of the Karstic System of Western Apokoronas in Crete. Conference Proceedings on Restoration and Protection of the Environment VIII, July 3-7, Chania, Greece.

70. Stamati, F., N.P. Nikolaidis, E. Dimitriou, N. Skoulikidis and Th Koussouris, 2006. Hydro-geochemical Aspects of a Typical Mediterranean Temporary Pond in Western Crete. Conference Proceedings on Restoration and Protection of the Environment VIII, July 3-7, Chania, Greece.
71. Kokkinaki, A., O. Tzoraki, K. Tyrovola, and N.P. Nikolaidis, 2006. Mobility of Copper in Greenhouse Soils. Conference Proceedings on Restoration and Protection of the Environment VIII, July 3-7, Chania, Greece.
72. Tyrovola, K., Peroulaki, E., and N.P. Nikolaidis, 2006. Modeling of Arsenic Immobilization by Zero Valent Iron. Conference Proceedings on Restoration and Protection of the Environment VIII, July 3-7, Chania, Greece.
73. Tzoraki, O., M. Doering, A. Puddu, A. Barra Caracciolo, N. Nikolaidis, N. Skoulikidis, K. Tockner and U. Uehlinger, 2005. Evaluation of In-Stream Processes of a Temporary River. e-Proceedings, 3rd European Bioremediation Conference, July 4-7, Chania, Crete, Greece.
74. Tyrovola K., E. Peroulaki, and **Nikolaidis, N.P.**, 2005. Modeling of Arsenic, Phosphate and Nitrate Removal With Zero Valent Iron From Geothermal Waters. e-Proceedings, 3rd European Bioremediation Conference, July 4-7, Chania, Crete, Greece.
75. **Nikolaidis NP**, and H.A. Hellerich, 2005. Monitored Natural Attenuation of Co-Mingled Plumes in Groundwater. e-Proceedings, 3rd European Bioremediation Conference, July 4-7, Chania, Crete, Greece.
76. Tzoraki, O. and **Nikolaidis NP**, 2005. Hydrologic and geochemical processes of temporary Mediterranean rivers: Krathis River. CADSEALAND Symposium Proceedings, INTERREG IIIB CADSES, Dec, 18, Evrostini, Greece.
77. Ninov, P., I. Ribarova, **N.P. Nikolaidis**, O. Tzoraki, P. Kalinkov, and K. Kukurin, 2005. Testing of the HSPF Model for Simulation of the Nutrient Loads in the Upper Iskar Basin. E-Proceedings, 10th International Specialist Conference on Watershed and River Basin Management, 13-15 September, Alberta, Canada.
78. **Nikolaidis NP**, Kargeorgis A., Kapsimalis V., Skoulikidis N., Drakopoulou P., Kontoyiannis, X., Paggou K., and Behrendt H., 2005. Management of Nutrient Emissions from Axios River to Thermaikos Gulf. Proceedings of EEDYP Conference, April 6-9, Xanthi, Greece.
79. Ninov, P., Ribarova I, **Nikolaidis NP**, Tzoraki R., Kalinkov P, Kukurin, K and Topalova J. 2004. Hydrologic Simulation of Iskar River Subwatershed Using the HSPF Model. Proceedings "Progress in Surface and Subsurface water Studies at the Plot and Small Basin Scale", ERB2004 – Euromediterranean Conference, October 13-17, Turin, Italy, pp. 167-170.
80. **Nikolaidis, NP**, Skoulikidis, N., and Karageorgis A. 2004. Pilot Implementation of EU Policies in Acheloos River Basin and Coastal Zone, Greece. Proceedings of International Symposium on Water Resources Management: Risks and Challenges for the 21st Century, European Water Resources Association, Izmir, Turkey, September 2-4, pp. 797-809.
81. Tzoraki, O., Amaxidis, G., Skoulikidis, N., and **Nikolaidis, N.P.** 2004. In-Stream Geochemical Processes of Temporary Rivers – Krathis River Case Study. Conference Proceedings on Restoration and Protection of the Environment VII, June 28 - July 1, Mykonos, Greece.
82. Tyrovola K., **Nikolaidis, N.P.**, and Veranis, N., 2004. Arsenic Removal From Groundwater Using Zero Valent Iron – Pilot Application in Geothermal Regions. Conference Proceedings on Restoration and Protection of the Environment VII, June 28 - July 1, Mykonos, Greece.

83. **Nikolaidis, N.P.**, 2003. Environmental Engineering Curriculum Enhancement at the Technical University of Crete, Greece – A Case Study. E3-International Conference on Environmental Engineering Education, September 25-27, Zurich.
84. Skoulidakis N., **N.P. Nikolaidis**, and G. Kostopoulou, 2002. A Pressure - Impact Methodology Applied in Acheloos River Basin. 12th Seminar for the Protection of the Environment – Chemistry and Management of Water Ecosystems. December 2-5, Thessaloniki, Greece.
85. **Nikolaidis, N.P.**, 2002. Treatment of Arsenic Contaminated Groundwater Using Iron Filings: Field Experiments. Conference Proceedings on Restoration and Protection of the Environment VI, July 1-5, Skiathos, Greece.
86. Skoulidakis, N., E. Zagana, **N.P. Nikolaidis**, and Th. Drossos, 2002. Nutrient Contribution of Agriculture in the Lower Acheloos Basin. Conference Proceedings on Restoration and Protection of the Environment VI, July 1-5, Skiathos, Greece.
87. Meladiotis, I., N. Veranis, and **N.P. Nikolaidis**, 2002. Arsenic Contamination in Central Macedonia, Northern Greece: Extent of the Problem and Potential Solutions. Conference Proceedings on Restoration and Protection of the Environment VI, July 1-5, Skiathos, Greece.
88. Vlassopoulos, D., J. Pochatila, A. Lundquist, C.B. Andrews, M.T., Rafferty, K. Chiang, D. Sorel and **N.P. Nikolaidis**, 2002. An Elemental Iron Reactor for Arsenic Removal From Groundwater. Proceedings of 3rd International Conference on Remediation of Chlorinated and Recalcitrant Compounds, May 20-23, Monterey, CA.
89. Luo, J., N.W. Garrick, **N.P. Nikolaidis**, B. Boulanger, 2002. A Portable Method to Determine Chloride Concentration in Roadway Pavements. Conference Proceedings of 81th Annual Meeting of the Transportation Research Board, Washington, D.C.
90. Michels T. H., B. Boulanger, and **N.P. Nikolaidis**, 2002. Copper Roof Stormwater Runoff – Corrosion and the Environment. CORROSION 2002 Conference Proceedings, Paper 02225, Houston, Texas.
91. Skoulidakis, N., **N.P. Nikolaidis**, E. Zagana, and P. Pergialiotis, 2001. Agricultural Contribution of Pollution in the Lower Acheloos River Basin: Methodology and First Results. Δελτίο της Ελληνικής Γεωλογικής Εταιρείας, Τόμος/Volume XXXIV, No 5, pp. 1951 - 1957, Athens, Greece (in Greek).
92. **Nikolaidis, N.P.**, and Hellerich, L.A., 2001. Natural restoration of heavy metal contaminated soils: The role of interfacial processes. Ground Water Quality 2001 Conference Proceedings, June 17-21, Sheffield University, U.K.
93. **Nikolaidis, N.P.**, and B. Boulanger, 2000. Mobility and Aquatic Toxicity of Copper in an Urban Watershed. Conference on Restoration and Protection of the Environment V, July 1-5, Thassos, Greece.
94. Boulanger, B., **N.P. Nikolaidis**, R. Carley, and C. Perkins, 1999. Evaluation of the Hydrologic and Chemical Mass Balances of Copper Within an Urban Watershed. Conference Proceedings, 31st Mid-Atlantic Industrial and Hazardous Waste Conference, June 20-23, Storrs, CT.
95. Hellerich, L.A., C.R. Johnson, **N.P. Nikolaidis**, and P.M. Gschwend, 1999. Modeling of Bromide in a Single-Well Injection-Withdrawal Experiment. Conference Proceedings, 31st Mid-Atlantic Industrial and Hazardous Waste Conference, June 20-23, Storrs, CT.

96. Dobbs, G.M., R.E. Post, and N.P. Nikolaidis, 1999. A Site Assessment Methodology for the Characterization of Mixed Organics and Redox Sensitive Heavy Metal Plumes. Conference Proceedings, 31st Mid-Atlantic Industrial and Hazardous Waste Conference, June 20-23, Storrs, CT.
97. Lackovic, J. A., N.P. Nikolaidis, and G.M. Dobbs, 1999. Redox-Sensitive Mobility of Arsenic in Proximity to a Municipal Landfill. Conference Proceedings, 31st Mid-Atlantic Industrial and Hazardous Waste Conference, June 20-23, Storrs, CT.
98. Hellerich, L.A., S. Seymour, and N.P. Nikolaidis, 1999. Modeling the Mobility of Cadmium in Soils. Conference Proceedings, 31st Mid-Atlantic Industrial and Hazardous Waste Conference, June 20-23, Storrs, CT.
99. Lackovic, J. A. and N. P. Nikolaidis, 1998. Innovative Arsenic Remediation Technology (AsRT) for Ground Water, Drinking Water and Waste Streams. Conference Proceedings, 30th Mid-Atlantic Industrial and Hazardous Waste Conference, July 12-15, Philadelphia, PA.
100. Hellerich, L.A., N.P. Nikolaidis, and J.A. Lackovic, 1998. A Framework for Developing Site-Specific Mobility Based Cleanup Standards for Heavy Metal Contaminated Soils. Conference Proceedings, 30th Mid-Atlantic Industrial and Hazardous Waste Conference, July 12-15, Philadelphia, PA.
101. Bruel, R., N.P. Nikolaidis, and R.P. Long, 1998. Mobility and Remediation of Lead From Shooting range Soils. Conference Proceedings, 30th Mid-Atlantic Industrial and Hazardous Waste Conference, July 12-15, Philadelphia, PA.
102. Nikolaidis, N.P., and J.A. Lackovic, 1998. Development and Application of a Conceptual Site Model for Evaluating Contaminant Mobility. Proceedings, International Conference on "Restoration and Protection of the Environment IV", Ed: G.P. Korfiatis, Chalkidiki, Greece, July 1-4,.
103. Nikolaidis, N.P., L.M. Deschaine, M.J. Ades, and H. Shen, 1997. Simulation of Transport of Heavy Metals in Groundwater Systems. Proceedings of the 1997 Simulation MultiConference, The Society for Computer Simulation International, April 6-10, Atlanta, GA, USA.
104. Hu, Hsien-Lun, Nikolaidis, N.P. and Grasso, D., 1995. Inhibition of Nickel Precipitation by Gluconate. Proceedings of the International Conference of Industrial Waste Minimization '95, Water Environment Federation, Nov. 25-29, Taipei, Taiwan, pp. 809-820.
105. Hu, Hsien-Lun, Nikolaidis, N.P. and Grasso, D., 1995. Inhibition of Nickel Precipitation by Organic Ligands. Proceedings of the 50th Purdue Industrial Waste Conference, Purdue University, Purdue, Indiana, May 8-10, Lewis Publishers.
106. Shen, H., Yang, X. and N.P. Nikolaidis, 1994. Multigrid Simulation of the Transport of Multicomponent Solute in Groundwater. Proceedings of the 1994 ASAE/ASCE Summer International Meeting, June 19-22, Hyatt Regency Crown Center, Kansas City, MO, pp 13.
107. Koussouris, T., Nikolaidis, N.P., Nikolaidis, V.S., and Hu, H. 1992. Growth Characteristics and Control of Zebra Mussel in the Water Supply System of Agrinio City, Greece. Proceedings of the 1992 Annual Symposium of the Organization KRIKOS on " Remediation and Protection of the Environment During the Decade of '90", Eds: G.P. Korfiatis, T. Dermatas, and A.C. Dimitrakopoulos, Thessaloniki, Greece, August 19-21, pp. 69-79, 1992.

Conference Proceedings - Editor:

1. E. Gidarakos, **N.P. Nikolaidis**, C. Christodoulatos, 2006. Conference Proceedings on Restoration and Protection of the Environment VIII, July 3-7, Chania, Greece.
2. **N.P. Nikolaidis**, B.F. Smets, Erkey, C., 1999. Hazardous and Industrial Wastes. Conference Proceedings, 31st Mid-Atlantic Industrial and Hazardous Waste Conference, June 20-23, Storrs, CT.

Books:

1. **N. P. Nikolaidis, 2005.** Aquatic Chemistry – Theory, Models and Environmental Applications. ZHTH Publishers, Thessaloniki, Greece, pp. 317. (In Greek).

Book Chapter:

1. Meine van Noordwijk, Tessa Goverse, Cristiano Ballabio, Steve A. Banwart, Tapas Bhattacharyya, Marty Goldhaber, **Nikolaos Nikolaidis**, Elke Noellemeyer, Yongcun Zhao, 2015. Soil carbon transition curves: reversal of land degradation through management of soil organic matter for multiple benefits, In: Banwart, S. A., Noellemeyer, E., Milne, E., eds. Soil Carbon: Science, management and policy for multiple benefits. SCOPE Series Vol. 71. CABI, Wallingford, UK. pp. 26-46.
2. Duffy C., **Nikolaidis N.P.**, 2015., Soil hydrology and reactive transport of carbon and nitrogen in a multi-scale landscape, In: Banwart, S. A., Noellemeyer, E., Milne, E., eds. Soil Carbon: Science, management and policy for multiple benefits. SCOPE Series Vol. 71. CABI, Wallingford, UK. pp. 108-118.
3. **Nikolaidis, N.P.**, G. Bidoglio, F. Bouraoui, and A-C. Cardoso, 2013. Water Quality Of Mediterranean, In: Water Sustainability and Quality, Ed: J.L. Schnoor, Chapter 19, Elsevier.
4. Gamvroudis, C., Karalemas, N., Papadoulakis, V., Tzoraki, O. and **Nikolaidis, N.P.**, 2011. Hydrograph analysis of Inountas River Basin (Lakonia, Greece). In: Advances in the Research of Aquatic Environment, Eds: Lambrakis, N., Stournaras, G., Katsanou, K., Springer Berlin Heidelberg, pp 171-178, http://dx.doi.org/10.1007/978-3-642-19902-8_19, Doi: 10.1007/978-3-642-19902-8_19 (Book Series - Editor: LaMoreaux, James W., Title: Environmental Earth Sciences)
5. Tzoraki, O., Papadoulakis, V., Christodoulou, A., Vozinaki, E., Karalemas, N., Gamvroudis, C., and **Nikolaidis, N.P.**, 2011. Hydrologic modelling of a complex hydrogeologic basin: Evrotas River Basin, In: Advances in the Research of Aquatic Environment, Eds: Lambrakis, N., Stournaras, G., Katsanou, K., Springer Berlin Heidelberg, pp 179-186, http://dx.doi.org/10.1007/978-3-642-19902-8_20, Doi: 10.1007/978-3-642-19902-8_20 (Book Series - Editor: LaMoreaux, James W., Title: Environmental Earth Sciences)
6. Demetropoulou, L., **N.P. Nikolaidis**, O. Tzoraki, N. Kalogerakis, K. Tsakiris, Th. Kousouris, K. Theodoropoulos, V. Papadoulakis, 2009. Pilot River Basin Sharing its Experience: Evrotas River, Greece. In: Water Framework Directive and Agriculture - Pilot River Basins Network, Ed: E Anguiano, Technical and Scientific Reports, Joint Research Centre– ISPRA. EUR 24481 EN – 2010.
7. Tzoraki O., L. Vardakas, **N.P. Nikolaidis**, N. Skoulikidis, A. Economou, V. Papadoulakis, K. Tsakiris and Th. Koussouris, 2010. Effectiveness and acceptance of measures in Evrotas River Basin, Greece. In: Water Framework Directive and Agriculture - Pilot River Basins Network, Sharing Experiences with the River Basin Community, Ed: E Anguiano, Technical and Scientific Reports, Joint Research Centre– ISPRA. EUR 24481 EN – 2010.

8. **Nikolaidis, N.P.**, and K. Tyrovola, 2006. Removal of Arsenic from Groundwater. In: Zero-valent Iron Reactive Materials for Hazardous Waste and Inorganics Removal Studies, Eds: I. Lo and K.C. Lai, Americal Society of Civil Engineers Publication, Chapter 9, pp. 262-296.
9. **Nikolaidis, N.P.**, 2006. Copper Roofs and Storm Water Runoff Toxicity. In: Copper, Environment and Human Health –Selection of Studies, Ed: Juan Carlos Torres P., CODELCO Publication, Chapter 9, pp. 182-195.
10. **Nikolaidis, N.P.**, 2005. Environmental Friendly Technologies to Reduce Pollution From Fertilizers. In: International Workshop on Where Do Fertilizers Go? Eds: F. Bouraoui, B. Grizzetti, D. Mulligan and L. Galbiati. Villa Carlotta, Belgirate, June 28-29 2005, Italy, EUR 21748 EN.
11. Hellerich, L.A, Panciera, M.A., **Nikolaidis, N P.**, Smets, B. F., and Dobbs, G.M. 2004. Attenuation of a mixed chromium and chlorinated ethene groundwater plume in estuarine influenced glaciated sediments. *In: Chromium(VI) Handbook*, Eds. J. Guertin, J.A. Jacobs, and C.P. Avakian, CRC Press, New York, NY, pp. 438-461.
12. **U.S. Environmental Protection Agency, 2001.** Monitored Natural Attenuation. (EPA-SAB-EEC-01-004, dated 17 May 01) Science Advisory Board (<http://www.epa.gov/sab>).
13. **Nikolaidis, N.P.**, and L.A. Hellerich, 1999. Field Methods for Site Assessment and Remediation of Contaminated Ground Waters. In: Ground Water Contamination Control, Ed. K.L. Katsifarakis, Advances in Water Resources Series, WIT Press Southampton, U.K. Chapter 5, 203-244.
14. Hammick, E., **Nikolaidis, N.P.**, and Brookman, G., 1996. Enhanced Mobilization of Heavy Metals Using Sequential Extraction. In: Contaminated Soils, Volume I: Analysis, Fate, Environmental and Public Health Effects, and Remediation. Eds: E.J. Calabrese, P.T. Kosteki, and M. Bonazountas, Amherst Scientific Publishers, Amherst, MA, 734 pp.

Dissertation and Thesis:

1. **Nikolaidis, N.P.** 1987. Modeling the Direct Versus Delayed Response of Surface Waters to Acid Deposition in the Northeastern United States. Ph.D. Thesis, Civil and Environmental Engineering, University of Iowa, pp. 288.
2. Nikolaidis, N.P. 1984. Factors Controlling Water Chemistry and Sensitivity to Acidification in the Upper Peninsula of Michigan. M.S. Thesis, University of Iowa.

Presentations:

2o International Water Forum, Heraklion, Crete Sept. 2021

WEFE Conference 2021

Taiwan 2020 and 2021

Maria CRETE 2018

Nikolaidis N.P. Gran Paradiso Summer School 2018 and 2019. Critical Zone and Ecosystem Dynamics. Two presentations on soils and the Koiliaris CZO. Gran Paradiso, Italy

1. Lilli M.A. and N.P. Nikolaidis, 2018. Geochemical characterization of karstic groundwater and surface runoff at Koiliaris Critical Zone Observatory, TERENO International Conference, Oct 8-12, 2018, Berlin, Germany.

2. Efstathiou D. and N.P. Nikolaidis, 2018. Hindcasting land use impacts on the hydrologic and geochemical processes of Koiliaris CZO, TERENO International Conference, Oct 8-12, 2018, Berlin, Germany.
3. Sofia D. Nerantzaki, Nikolaos P. Nikolaidis, Estimation of the uncertainty of the hydrologic predictions due to climate change at the Koiliaris Critical Zone Observatory, TERENO International Conference, Oct 8-12, 2018, Berlin, Germany (poster presentation)
4. Sofia D. Nerantzaki, Nikolaos P. Nikolaidis, and Dionissios T. Hristopoulos, Evaluation of the uncertainty of the impact of climate change on flow, sediment and nitrate predictions at the Koiliaris Critical Zone Observatory, 2nd ADAPTtoCLIMATE Conference, 24-25 June 2019, Heraklion, Crete, Greece
5. DOKOU Z., KARATZAS G.P, NIKOLAIDIS N.P AND KALOGERAKIS N., 2018. MODELING THE GROUNDWATER FLOW AND HEXAVALENT CHROMIUM TRANSPORT IN THE ASOPOS RIVER BASIN, International Conference CRETE 2018.
6. Nikolaidis NP, 2018. A platform for studying sustainable water and soil management in a Mediterranean watershed under land use and climate change, May 4, 2018, University of California - Irvine, USA (INVITED).
7. Nikolaidis NP, 2018. Towards sustainable land management - The Koiliaris CZO case Study, UK-China CZO Strategy Workshop, April 25-26, Nanjing China (INVITED).
8. Nikolaidis NP 2018. Koiliaris Critical Zone Observatory: A platform for sustainable Water and soil management, April 24, 2018, Nanjing University, Nanjing China (INVITED).
9. Nikolaidis, NP; Nerantzaki S; and Efstathiou, D, 2018. Hydrologic and sediment transport modeling of complex hydrogeologic systems, Connecteur Workshop March 14, 2018 CMA, Chania, Greece (INVITED)
10. Nikolaidis N.P., 2017. The Conceptual Framework of Critical Zone, Workshop on "Towards a Unified Framework for Life Supporting Systems in the Anthropocene" 15-19/10/2017 Judean Hills, Israel (INVITED).
11. Nikolaidis, NP; Giannakis G; Efstathiou, D; Panakoulia S; Nerantzaki S and Paranychianakis N., 2017. Koiliaris Critical Zone Observatory (Koiliaris-CZO): A Platform for Development and Testing of Tools for Sustainable Water and Soil Management, ECOPOTENTIAL General Assembly May 16-1017 FORTH, Heraklion, Crete, Greece (INVITED).
12. Nikolaidis N.P., 2017. **thinknature** - Promoting NATURE BASED SOLUTIONS, Workshop on: Smart and sustainable cities: lessons learnt and opportunities within H2020, Sept. 22, 2017 – Padova, Italy (INVITED)
13. Nikolaidis N.P., 2017. Climate change and water resources governance 2nd HAEE Energy Conference, 18-20 May, 2017, Athens, Greece (INVITED)
14. Nerantzaki S, Moirogiorgou K, Efstathiou D, Giannakis G, Voutsadaki S, Zervakis M, Sibetheros IA, Zacharias I, Karatzas GP, Nikolaidis NP, 2015. Development of an Integrated Suspended Sediment Sampling System - Prototype Results, EGU General Assembly 2015, Geophysical Research Abstracts, Vol. 17, EGU2015-698, 2015
15. Ioannidou, E, Flori, AVarouchakis, E.A., Giannakis, G., Vozinaki, A-E. K., Karatzas, G.P. and Nikolaidis, N.P., 2015. Determination of riverbank erosion probability using Locally Weighted Logistic Regression, EGU General Assembly 2015, Geophysical Research Abstracts, Vol. 17, EGU2015-9265-2, 2015
16. Tsiknia, M., Varouchakis, E.A., Paranychianakis, N.V. and Nikolaidis, N.P., 2015. Spatial distribution analysis of chemical and biochemical properties across Koiliaris CZO, EGU General Assembly 2015, Geophysical Research Abstracts, Vol. 17, EGU2015-15588, 2015

17. Maria Lilli, Nikolaos Nikolaidis, Nicolas Kalogerakis, George Karatzas and Mike Mueller, 2014. Mitigation Measures for geogenic chromium rich soils, 11th International Phytotechnologies Conference, 30 September - 3 October 2014, Heraklion, Crete, Greece.
18. Giannakis G., E. Kotronakis, N.P. Nikolaidis, J. Valstar, E. Rowe, K. Moirogiorgou, S. Panakoulia, N. Paranychianakis, 2014. Modeling of Soil Functions From the Soil Profile to Watershed Scale, Geochemistry of the Earth's Surface meeting (GES-10), "Between Rocks and Sky: Earth's Critical Zone", August 18-22, 2014, Paris, France.
19. Roskam G.D., M.R.A. Verheul, D. Moraetis, G. Giannakis, P.F. van Gaans, 2014. The potential of on-line continuous leach ICP-MS analysis for linking trace elements to mineralogy. European Geosciences Union (EGU) General Assembly 2014, April 27th to May 2nd, Vienna, Austria.
20. Sofia Neratzaki, Konstantia Moirogiorgou, Dionissis Efstathiou, George Giannakis, Stella Voutsadaki, Michalis Zervakis, Ioannis Sybetheros, Ierotheos Zacharias, George Karatzas, Nikolaos P. Nikolaidis, 2015. Development of an Integrated Suspended Sediment Sampling System - Prototype Results EGU General Assembly 2015, Vienna Austria.
21. Emmanouil Varouchakis et al., 2014. Development of a statistical model for the determination of the probability of riverbank erosion in a Mediterranean river basin, EGU General Assembly 2014, 27 April – 02 May 2014, Vienna Austria.
22. Maria Andrianaki et al., 2014. Application of SWAT and CAST model on Damma Glacier CZO, EGU General Assembly 2014, 27 April – 02 May 2014, Vienna Austria.
23. Gerlinde Roskam et al., 2014. REE profiles in continuous leach ICP-MS (CL-ICP-MS) experiments in soil linked to REE profiles in surface water in the Koiliaris River Critical Zone Observatory (CZO), Crete, Greece, EGU General Assembly 2014, 27 April – 02 May 2014, Vienna Austria.
24. Johan Valstar et al., 2014. Integrating models to simulate emergent behaviour: effects of organic matter on soil hydraulics in the ICZ-1D soil-vegetation model, EGU General Assembly 2014, 27 April – 02 May 2014, Vienna Austria.
25. Steven Allan Banwart et al., 2014. Designing sustainable soils in Earth's critical zone, EGU General Assembly 2014, 27 April – 02 May 2014, Vienna Austria.
26. Pauline van Gaans et al. 2014. Soil process modelling in CZO research: gains in data harmonisation and model validation, EGU General Assembly 2014, 27 April – 02 May 2014, Vienna Austria.
27. Nikolaidis NP, J Valstar, E Rowe, K Moirogiorgou, and FE Stamatii, 2013. Modeling soil structure and nutrient dynamics using the 1D-Integrated Critical Zone Model, Goldschmidt2013 conference, August 25-30, Florence, Italy.
28. Johan Valstar, Nikolaos Nikolaidis, Ed Rowe and Pauline van Gaans, 2013 Development and application of a 1D-model to describe the complex interaction between soil evolution, plant production and flow and reactive transport, LUWQ 2013 - International Interdisciplinary Conference on Land Use and Water Quality: Reducing Effects of Agriculture, The Hague, the Netherlands, 10-13 June.
29. Papafilippaki A., N. V. Paranychianakis and N.P. Nikolaidis (2013). Effects of municipal solid waste compost on net nitrogen mineralization and potential nitrification rates in clayey and sandy soils. 17th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Mediterranean Scientific Association of Environmental Protection (MESAEP). Istanbul – Turkey, 28 September – 1 October.

30. Tsiknia, M., Moraetis, D. Paranychianakis, N.V., Nikolaidis, N.P., 2012. Microbial diversity in Koiliaris Critical Zone Observatory (CZO). 5th Symposium of Microbiokosmos, Hellenic Society of Microbiology, December 13-15, 12, Athens Greece
31. Papafilippaki A., N. V. Paranychianakis and N.P. Nikolaidis 2012. Effects of municipal solid waste compost on stamnagathi (*Cichorium spinosum*) growth in clayey and in sandy soils. EUROSOIL 2012, 2-6 July, Bari Italy
32. Kotronakis, M., Paranychianakis, N., and Nikolaidis, N. 2012. Impact of organic amendments on soil structure and fertility. Eurosoil2012 July 2-4, Bari, Italy.
33. Moraetis D., Nikolaidis N.P. and Paranychianakis N. S. Rousseva, M. Kercheva, M. Nenov Institute Georg J. Lair, Pedogenic characterization of soils at Koiliaris CZO along a climatic and lithological gradient. Eurosoil Bari-Italy 2012.
34. Kotronakis, M., Paranychianakis, N., and Nikolaidis, N. 2012. Impact of organic amendments on soil structure and fertility. Eurosoil2012 July 2-4, Bari, Italy.
35. D. Efstathiou, D. Moraetis, and N.P. Nikolaidis, Environmental Cyberinfrastructure at the Koiliaris Critical Zone Observatory, 5th International Conference from Scientific Computing to Computational Engineering. Athens 4-7 July 2012.
36. Tsiknia M., Paranychianakis N., Moraetis D., Nikolaidis N., Soil Microbial Community Structure Across Climatic and Land Use Gradients in Koiliaris Critical Zone Observatory (CZO). 5th Presented Congress on Microbiology December 10-12 2012, Athens
37. Stamati, F.E., N.P. Nikolaidis, J.L. Schnoor, 2011. Assessment of carbon needs to renew soil fertility. Presented at the Goldschmidt2011 conference, August 14-18, Prague, Czech Republic.
38. Paranychianakis, N.V., G. Giannakis, N.P. Nikolaidis, N. Kalogerakis, 2011. Effects of municipal solid waste compost amendments on carbon and nitrogen cycling in a clayey soil. Presented at the Goldschmidt2011 conference, August 14-18, Prague, Czech Republic.
39. Moraetis D., S. Voutsadaki, M Kotronakis, G. Kontolaimakis, F.E. Stamati, N.P. Nikolaidis, N. Kalogerakis, 2011. Mobility of nitrogen and heavy metals in biosolid amended soil. Presented at the Goldschmidt2011 conference, August 14-18, Prague, Czech Republic.
40. Menon M., and the SoilTREC Research Team, 2011 SoilTrEC: An international consortium to assess soil processes and functions using a global network of Critical Zone Observatories. Presented at the Goldschmidt2011 conference, August 14-18, Prague, Czech Republic.
41. Aksoy, E., P. Panagos, **N.P. Nikolaidis**, L. Montanarella, 2011. Assessing organic carbon distribution in the Koiliaris critical zone catchment (Greece) by using geostatistical techniques. Presented at the Goldschmidt2011 conference, August 14-18, Prague, Czech Republic.
42. **Nikolaidis, N.P.**, 2011. Human Impacts on Soil: Tipping Points and Knowledge gaps, Conference on the Geochemistry of the Earth's Surface #9, Boulder Colorado Jun 1-7 (Invited).
43. Moraetis, D., F., Stamati, M., Kotronakis, T., Fragia, N., Paranychianakis and N.P., Nikolaidis, 2011. Identification of hydrologic and geochemical pathways using high frequency sampling, REE aqueous sampling

- and soil characterization at Koiliaris Critical Zone Observatory, Conference on the Geochemistry of the Earth's Surface #9, Boulder Colorado Jun 1-7.
44. Stamati F., **N.P. Nikolaidis**, D. Venieri, E. Psillakis, and N. Kalogerakis, 2011. Dissolved organic nitrogen as an indicator of livestock impacts on soil biochemical quality. Conference on the Geochemistry of the Earth's Surface #9, Boulder Colorado Jun 1-7.
 45. Casentini, B., **N.P. Nikolaidis**, H.A.L. Rowland, C.L. Baciú and S.J. Hug, 2010. Arsenic removal using ZVI under aerobic and anaerobic conditions. Pilot case studies: Sepreus (Romania) and Nea Triglia (Chalkidiki, Greece), BRGM, July 5-8, Orleans, France.
 46. **Nikolaidis, N.P.**, O. Tzoraki, N. Kalogerakis, and V. Papadoulakis, 2010. Use of Environmental Friendly Technologies for the Implementation of the E.U. Water Framework Directive: The Experience of the LIFE-Envifriendly Project, 7th International Conference on Phytotechnologies, Sept. 26-29, Parma, Italy.
 47. **Nikolaidis, N.P.**, 2010. Arsenic and chromium geogenic contamination of groundwater and soils. Czech Geological Survey, April 24, (invited).
 48. Nikolaidis, N.P., F. Stamati, J.L. Schnoor, D. Moraitis and M. Kotronakis, 2010. Hydrologic and soil science in a Mediterranean Soil Critical Zone Observatory – Koiliaris River Basin, EGU General Assembly, May 2-7, Vienna.
 49. **Nikolaidis N.P.**, 2009. Agricultural Development and Water Resources Management in the Evrotas River Watershed- Environmental Objectives and Program of Measures. Presented at the Protection and Management of Waters in Islands of Greece Workshop, March 31, Heraklion, Crete, Greece.
 50. **Nikolaidis N.P.**, 2009. On the need for using soils improvers (Agricultural development-Suggestions for a sustainable future). Presented at the 3rd Hellenic Solid Waste Management Association Conference, July 2-4, Chania, Crete, Greece.
 51. Stamati, F., **N.P. Nikolaidis**, J.L. Schnoor, 2009. Soil Organic Matter Loss Pathways in Agricultural Lands. Presented at the Goldschmidt2009 conference, June 21 - 26, Davos, Switzerland.
 52. Casentini B., **N.P. Nikolaidis**, S.J. Hug. 2009 As mobilization and accumulation in topsoils (Chalkidiki, Greece) Presented at the Goldschmidt2009 conference, June 21 - 26, Davos, Switzerland.
 53. Moraetis D., **N.P. Nikolaidis**, G.P. Karatzas. 2009. Origin, fate and transport of Chromium(VI) in Oropos, Greece. Presented at the Goldschmidt2009 conference, June 21 - 26, Davos, Switzerland.
 54. David A. Polya, Andrew A. Meharg, Laurent Charlet, Nikos Nikolaidis, Ruben Mnatsakanian, Gabriela Roman-Ross, Adrien Mestrot, Enoma Omoregie, Jasmin Mertens, Helen Rowland, Cristina Jimenez, Julia Leventon, 2009. Geogenic chemicals in groundwaters and soils - research and training experiences from the AquaTRAIN Research Training Network, 3rd International Workshop and Conference on Earth Resources Technology: Stepping Towards Sustainable Mining, Metallurgical, and Petroleum Technology Development". Sapporo, Japan, 13th – 16th, 2009.
 55. Stamati, F., **N.P. Nikolaidis**, J.L. Schnoor. 2009. Soil organic matter loss pathways in agricultural lands. Presented at the 52nd annual Conference on Great Lakes Research, International Association for Great Lakes Research (IAGLR) May 18-22, Toledo, Ohio, U.S.A.
 56. **Nikolaidis N.P.**, 2008. Integrated Water Resources Management: Thoughts Desires, and Proposals for a Sustainable Future. Presented at the Water, Life, and Culture in Crete and in the Mediterranean Region International Conference, June 10-12, Neapolis, Crete, Greece.

57. **Nikolaidis N.P.**, 2008. Integrated Water Resources Management of Evrotas River Basin: Coping with climate change. Presented at the European Association of Water and Wastewater Services (EUREAU) Workshop 'Climate Changes Impact on Water Resources With Emphasis on Potable Water', June 26, Chania, Crete, Greece.
58. Stamati F., **N.P. Nikolaidis**, D. Venieri, E. Psillakis, and N. Kalogerakis. 2008 Development of a simple methodology for the assessment of soil quality status and fertility: application to Mediterranean agricultural soils. Presented at the 4th Bioremediation Conference. September 3-6, Chania, Crete, Greece.
59. Tzoraki O., Nikolaidis NP., 2008. The role of sediments in controlling aquatic processes, Poster Presentation, 3rd SoilCritZone Workshop, 5-9 September 2008, Chania, Crete.
60. Valta K., Stamati F., Moraetis D., Andrianaki M., Tzoraki O., **Nikolaidis NP.**, Monitored Natural Attenuation of nutrients at river basin scale – the case of Evrotas river basin. Eurosoil Congress 2008, Vienna (Austria), 25-29 August 2008.
61. D. Moraetis, F. Stamati, O. Tzoraki, S. Navrozidis, **N. Nikolaidis**, A case study of olive oil mill waste water application in corn fields: Soil and groundwater quality assessment, Eurosoil Congress 2008, Vienna (Austria), 25-29 August 2008.
62. F. Stamati, F., **N. Nikolaidis**, E. Psillakis, N. Kalogerakis, 2008. Organic nitrogen as a potential indicator of livestock grazing impacts on Mediterranean soil quality, EUROSOIL 2008, 25 – 29 August. Vienna, Austria.
63. Stamati F., Peroulaki E., Moraetis D., Kordolaimi E., and **Nikolaidis N.**, 2008. Buffering capacity of drainage canals and phytoremediation potential for agro-pollutants. Eurosoil 2008. August 25-29, Vienna Austria.
64. Casentini, B. and **NP Nikolaidis**, 2008. Irrigation practices and topsoil As accumulation in the As-rich geothermal fields, Chalkidiki Prefecture, Northern Greece. The 3rd central and Eastern Europe Conference on Health and the Environment, 19-22 October, Cluj-Napoca, Romania, Central European Journal of Occupational and Environmental Medicine, Vol. 14, No. 1, 2008.
65. **Nikolaidis, N.P.** Kirby, M., Irvine, B., Tockenr, K., Froebrich, J., Morais, M., and Skoulikidis, N., 2005. Spatial Extent of Temporary Waters in the Mediterranean Region – Implications to Water Management. European Geosciences Union, General Assembly, Vienna, 24-29 April.
66. Tzoraki, O., **Nikolaidis, N.P.** and Skoulikidis, N., 2005. Evaluation of In-Stream Processes of Four Temporary Rivers. European Geosciences Union, General Assembly, Vienna, 24-29 April.
67. **Nikolaidis, N.P.** Tzoraki, O., and Skoulikidis, N., 2003. Modeling of Hydrologic and Nitrogen Response of Acheloos River Basin. 7th Panhellenic Symposium of Oceanography and Fisheries, Hersonissos, Crete, Greece.
68. Tyrovola K., **Nikolaidis, N.P.**, and Veranis, N., 2003. Arsenic Removal From Groundwater in Geothermal Regions. 7th Panhellenic Symposium of Oceanography and Fisheries, Hersonissos, Crete, Greece.
69. **Nikolaidis, N.P.**, A. Karageorgis, V. Kapsimalis, P. Drakopoulou, N. Skoulikidis, 2003. Eutrophication Modeling of Thermaikos Gulf, Greece. European Conference of Coastal Zone Research: An ELOISE Approach, March 24-27, Gdansk, Poland.
70. **Nikolaidis, N.P.**, A. Karageorgis, G. Markonis, H. Kontoyiannis, E. Krassokopoulou, A. Pavlidou, K. Pagou, 2003. Modeling Nutrient Emissions in the River Axios, Greece. European Conference of Coastal Zone Research: An ELOISE Approach, March 24-27, Gdansk, Poland.

71. Skoulikidis, N., **N.P. Nikolaidis**, A. Economopoulou, F. Batzias, 2002. Environmental Impact of EU Policies on Acheloos River Basin, Greece. European Geophysical Union Meeting, April 21-26, Nice, France.
72. Karamanos H., A. Karageorgis, N. Skoulikidis, and **N.P. Nikolaidis**, 2001. Water and Sediment Quality Assessment of Axios River and its Coastal Environment. INTERREG Meeting – North Aegean Functioning and Inter-Regional Pollution, May 28-30, Kavala, Greece.
73. Boulanger, B., and **N.P. Nikolaidis**, 1999. Fate, Speciation and Transport of Copper in an Urban Watershed. 1999 SETAC Annual Conference, November 14-19, Philadelphia, PA.
74. Sharif, H.O., Boulanger, B., N.P. Nikolaidis, and F.L. Ogden, 1999. Modeling Ruoff in Urban Storm Water Systems, American Geophysical Union, 1999 Spring Meeting, Boston, MA.
75. Boulanger, B., N.P. Nikolaidis, R. Carley, and C. Perkins, 1999. Evaluation of the Hydrologic and Chemical Mass Balances of Copper Within an Urban Watershed. 31st Mid-Atlantic Industrial and Hazardous Waste Conference, June 20-23, Storrs, CT.
76. Hellerich, L.A., C.R. Johnson, N.P. Nikolaidis, and P.M. Gschwend, 1999. Modeling of Bromide in a Single-Well Injection-Withdrawal Experiment. 31st Mid-Atlantic Industrial and Hazardous Waste Conference, June 20-23, Storrs, CT.
77. Dobbs, G.M., R.E. Post, and N.P. Nikolaidis, 1999. A Site Assessment Methodology for the Characterization of Mixed Organics and Redox Sensitive Heavy Metal Plumes. 31st Mid-Atlantic Industrial and Hazardous Waste Conference, June 20-23, Storrs, CT.
78. Lackovic, J. A., N.P. Nikolaidis, and G.M. Dobbs, 1999. Redox-Sensitive Mobility of Arsenic in Proximity to a Municipal Landfill. 31st Mid-Atlantic Industrial and Hazardous Waste Conference, June 20-23, Storrs, CT.
79. Hellerich, L.A., S. Seymour, and N.P. Nikolaidis, 1999. Modeling the Mobility of Cadmium in Soils. 31st Mid-Atlantic Industrial and Hazardous Waste Conference, June 20-23, Storrs, CT.
80. Nikolaidis, N.P., 1999. Innovative Technology for Arsenic Remediation From Drinking Water Supplies. (Invited) The 1999 Borchardt Conference, Advancements in Water and Wastewater, Feb. 23-25, University of Michigan, Ann Arbor, Michigan.
81. Nikolaidis, N.P., J.A. Lackovic and G.M. Dobbs, 1999. Removal of Arsenic From Ground Water: The AsRT Field Trials. (Invited) Intenational Conference, Arsenic in Bangladesh Ground Water, February 27-28, Wagner College, New York, NY.
82. Nikolaidis, N.P., *Methodology for Hazardous Waste Site Assessment and Remediation: Case Study #1: Arsenic Contamination From a Landfill and Case Study #2: Chromium Contamination From a Metal Finishing Industry*, Institute of Geology and Minaral Exploration, Athens, Greece, January 28-29, 1999.
83. Nikolaidis, N.P., *Rehabilitation of Industrial Contaminated Sites: A Manager's Point of View*, Graduate Program in Systems of Environmental Protection and Energy Management, Department of Industrial Management, University of Piraeus, Piraeus, Greece, March 12, 1999.
84. Nikolaidis, N.P., 1999. Arsenic Contamination: Assessment and Remediation of Landfill Leachate. (Invited) Technical University of Crete, Department of Environmental Engineering, January 25, Chania, Greece.
85. Nikolaidis, N.P., 1999. Methodology for the Assessment and Remediation of Industrial Sites. (Invited) Department of Civil Engineering, Aristotle University of Thessaloniki, March 14, Thessaloniki, Greece.

86. N.P. Nikolaidis and L.A. Hellerich, 1999. Characteristic Times and Recovery of Metals in Contaminated Soils: The Role of Interfacial Processes. American Chemical Society, March 25-27. Anaheim, CA.
87. Johnson, C.R., L.A. Hellerich, N.P. Nikolaidis and P.M. Gschwend, 1999. Manipulating Subsurface Colloids by Citrate Addition to a Chromium Contaminated Aquifer. American Chemical Society, March 25-27. Anaheim, CA.
88. Nikolaidis, N.P., 1998. Arsenic Contamination of Ground Water: Issues of Assessment and Remediation. (Invited) Environment Institute, Joint Research Center, European Commission, June 12, Ispra, Italy.
89. Lackovic, J. A. and N. P. Nikolaidis, 1998. Innovative Arsenic Remediation Technology (AsRT) for Ground Water, Drinking Water and Waste Streams. 30th Mid-Atlantic Industrial and Hazardous Waste Conference, July 12-15, Philadelphia, PA.
90. **Nikolaidis, N.P.**, 1998. The Role of Environmental Chemistry in Setting Water and sediment Protection Criteria for Heavy Metals. (Invited) Abstracts of Papers of the American Chemical Society, 216: 117-ENVR Part 1, Aug. 23. Amer Chemical Soc, Washington, DC.
91. Hellerich, L.A., N.P. Nikolaidis, and J.A. Lackovic, 1998. A Framework for Developing Site-Specific Mobility Based Cleanup Standards for Heavy Metal Contaminated Soils. 30th Mid-Atlantic Industrial and Hazardous Waste Conference, July 12-15, Philadelphia, PA.
92. Bruel, R., N.P. Nikolaidis, and R.P. Long, 1998. Mobility and Remediation of Lead From Shooting range Soils. 30th Mid-Atlantic Industrial and Hazardous Waste Conference, July 12-15, Philadelphia, PA.
93. Nikolaidis, N.P., and J.A. Lackovic, 1998. Development and Application of a Conceptual Site Model for Evaluating Contaminant Mobility. IV International Conference on the Protection and Restoration of the Environment, July 1-4, Halkidiki, Greece.
94. Nikolaidis, N.P., J.A. Lackovic, and G.M. Dobbs, 1998. Arsenic Remediation Technology (AsRT) for ground Water: Field Demonstration. International Conference on Arsenic Pollution of Ground Water in Bangladesh: Cause, Effect, and Remedy. (Invited) Feb. 8-12, Dhaka, Bangladesh.
95. Lackovic, J.A., N.P. Nikolaidis, and G.M. Dobbs, 1997. Mobility of Arsenite in Glaciated Sediments. American Geophysical Union, 1997 Fall Meeting, San Francisco, CA.
96. Nikolaidis, N.P., J.A. Lackovic, and L.A. Hellerich, 1997. Implications of Mass Transfer Processes on the Remediation of Heavy Metals Contaminated Soils. American Geophysical Union, 1997 Fall Meeting, San Francisco, CA.
97. Nikolaidis, N.P. , 1997. Assessment and Remediation of Arsenic Contaminated Ground Water. W. M. Keck Laboratories, California Institute of Technology, December 3, Pasadena, CA.
98. Nikolaidis, N.P., J.A. Lackovic, G.M. Dobbs, and L.M. Deschaine, 1997. Demonstration of a Novel Technology for In-Situ Immobilization of Inorganic Arsenic Species. Connecticut Critical Technologies Conference, June 20, Cromwell, CT.
99. Nikolaidis, N.P., L.M. Deschaine, M.J. Ades, and H. Shen, 1997. Simulation of Transport of Heavy Metals in Groundwater Systems. 1997 Simulation MultiConference, The Society for Computer Simulation International, April 6-10, Atlanta, GA, USA.

100. Nikolaidis, N.P., Clausen, J.C., Heng, H., and Semagin, R., 1996. Response of a Mixed Land Use Watershed to Nitrogen Loadings. 32nd Annual Conference, American Water Resources Association, Sept. 22-26, Fort Lauderdale, Florida.
101. Nikolaidis, N.P. and Lackovic, J.A., 1996. Processes Affecting the Accumulation and Release of Heavy Metals From Contaminated Soils. Gordon Conference - Water, June 23-28, New Hampton, NH.
102. Lackovic, J.A., Nikolaidis, N.P., Dobbs, G.M., and Cheeda, P., 1996. Mobility of Arsenic in a Glaciated Aquifer. Gordon Conference - Water, June 23-28, New Hampton, NH.
103. Nikolaidis, N.P. 1996. Assessment of Chromium Contaminated Site. Department of Civil and Environmental Engineering, MIT, March 18, Cambridge, MA.
104. Nikolaidis, N.P., Heng, H., Semagin, R., and Clausen, J.C., 1995. Watershed Studies and Modeling of Nonpoint Sources Pollution. Presented at the 1995 Annual Conference of the New England Section of the American Water Resources Association on "Nonpoint Source Pollution in New England", University of Connecticut, Nov. 17, Storrs, CT.
105. Nikolaidis, N.P. 1995. Integration of Field, Laboratory and Modeling Studies for the Assessment and Remediation of Heavy Metal Contaminated Soils. Department of Civil and Environmental Engineering, University of Iowa, Nov. 2, Iowa City, IA.
106. Hammick, E., Nikolaidis, N.P., and Brookman, G., 1995. Enhanced Mobilization of Heavy Metals Using Sequential Extraction. Proceedings of the Tenth Annual Conference on Contaminated Soils, University of Massachusetts-Amherst, Oct. 23-26, Amherst, MA.
107. Lackovic, J.A. and Nikolaidis, N.P., 1995. Comparison of Batch Leaching Tests for the Evaluation of Heavy Metal Mobility in Glaciated Soils. Proceedings of The American Society of Civil Engineers, National Conference on "Innovative Technologies for Site Remediation and Hazardous Waste Management", July 23-26, Pittsburg, Pennsylvania.
108. Nikolaidis, N.P., Heng, H. and Semagin, R., 1995. Non-linear Response of Watersheds to Nitrogen Loadings: The Case Study of Muddy Brook Watershed, Connecticut, U.S.A., (Invited) Conference on Long-Term Perspectives for Effects of Rural Land Use Changes on Soil Contaminants, June 8-10, Arona, Italy.
109. Lackovic, J.A. and Nikolaidis, N.P., 1995. Development of an Alternative Batch Leaching Test for Heavy Metal Mobility in the Unsaturated Zone. 3rd Annual New England Environmental Science and Engineering Student Conference, University of Connecticut, June 4-5, Storrs, CT.
110. Nikolaidis, N.P., 1995. Integration of Field, Laboratory and Modeling Studies for the Assessment and Remediation of Contaminated Sites. (Invited) Environment Institute, Joint Research Center, European Commission, May 12, Ispra, Italy.
111. Hu, Hsien-Lun, Nikolaidis, N.P. and Grasso, D., 1995. Inhibition of Nickel Precipitation by Organic Ligands. 50th Purdue Industrial Waste Conference, Purdue University, Purdue, Indiana, May 9-12.
112. Shen, H. and Nikolaidis, N.P., 1995. Modeling of Chromium in Groundwater, American Chemical Society National Meeting, Anaheim Marriott, April 2-6, Anaheim, California.
113. Nikolaidis, N.P., 1994. Site Assessment and Remediation of Heavy Metals Contaminated Ground Water. (Invited) Workshop on "Chemistry and Hydrology of Subsurface Contamination", Sept. 19-23, Royal Institute of Technology, Stockholm, Sweden.

114. Nikolaidis, N.P., 1994. Chromium in Hazardous Waste Sites and the Environment. Sept. 16, EAWAG, Zurich, SW.
115. Nikolaidis, N.P., and Mattuck, R., 1994. Effectiveness of Wetlands in Immobilizing Chromium Contamination. Gordon Conference - Water, June 19-24, New Hampton, NH.
116. Koussouris, T., Diapoulis, A., Bertahas, I., Nikolaidis, N.P., and Pakos, V., 1993. Disinfection Effectiveness of Chlorine to Control Zebra Mussels in a Water Supply System in Greece. Proceedings of 1st SETAC World Congress on Ecotoxicology and Environmental Chemistry, Lisbon, Portugal, 288.
117. Nikolaidis, N.P., Mattuck, R., Asikainen, J., Scherer, M. and Robbins, G., 1993. Geochemical Characterization of Chromium Contamination in Groundwater. (Invited) Workshop on Chemodynamics of Groundwaters: From Molecular to Field Scale, Monte Sainte-Odile, Alsace, France, October 5-8.
118. Nikolaidis, N.P., Shen, H., Heng, H., Hu, H.-L., and Clausen, J.C., 1993. Distributed Modeling of the Movement of Nitrogen Through an Agricultural Riparian Zone. Specialty Conference on Diffuse Pollution, International Assoc. on Water Quality, Chicago, Sept. 19-24.
119. Nikolaidis, N.P., Heng, H., Hu, H-L., and Shen, H., 1993. Field and Modeling Studies of Nonpoint Source Nutrient Pollution. Long Island Sound Research Fund Symposium, Second Annual Conference, Wesleyan University, Middletown, CT., May 7.
120. Nikolaidis, N.P., Robbins, G., Scherer, M. Shen, H., McAnich, B., Binkhorst, G., and Suib., S., 1992. Geochemical Characterization of Chromium Contamination in Groundwater. Americal Geophysical Union, Fall Meeting, San Fransisco, CA.
121. Mukhopadhyay, N., Chattopadhyay, S., Bendel, R., Nikolaidis, N.P., and Gangopadhyay, A., 1992. Sequential Methodologies for Long-Term Environmental Monitoring. 1992 Western Biometrics Meeting, Corvallis, Oregon, June 14-17.
122. Nikolaidis, N.P., Heng, H., Hu, H-L, and Shen, H., 1992. Nonpoint Source Studies of Nutrients in Glaciated Soil of Connecticut. First Annual Long Island Sound Research Fund Symposium, Bishop Center, University of Connecticut, Storrs, CT, May 28.
123. Nikolaidis, N.P., 1992. The Importance of "Appropriate Site Characterization" for the Assessment of Chromium Contamination in the Subsurface. (Invited) United Technologies Corporation Remediation Technology Transfer Meeting, June 8.
124. Nikolaidis, N.P., 1992. Geochemical Aspects and Modeling of Chromium Contamination in the Subsurface. (Invited) Department of Marine Science, University of Connecticut, Groton, CT, April 3.
125. Nikolaidis, N.P., 1992. Geochemical Aspects of Chromium Contamination in the Subsurface. (Invited) Department of Civil Engineering, State University of New York, Buffalo, N.Y., February 5.
126. Nikolaidis, N.P., Shen, H., and Robbins, G., 1991. Hydrogeologic and Geochemical Modeling of Chromium Contamination in the Subsurface. (Invited) Workshop on Chemodynamics of Groundwaters: Confrontation of Laboratory or Field Experiments and Modeling, Monte Sainte-Odile, Alsace, France, November 5-8.
127. Nikolaidis, N. P., 1991. Fate and Transport of Chromium in the Environment. (Invited) Hazardous Waste Assessment and Migration 5th Research Update, Association of Hazardous Materials Professionals, University of California, San Diego, July 25-26.

128. Lin, J.D., Nikolaidis, N.P., Shen, H., Hu, H., Ji W., and Marks, D., 1990. Distributed Hydrologic Model for Studying the Impacts of Climate Change on Ecosystems and Climate Feedbacks. Presented at: SETAC 11th Annual Meeting, Washington, D.C., Nov. 11-15.
129. Hu, H., and Nikolaidis, N.P., 1990. Evaluation of the Effects of Climatic Variability on the Hydrologic Response of a Forested Watershed. Presented at: SETAC 11th Annual Meeting, Washington, D.C., Nov. 11-15.
130. Church, M.R., Thornton, K.W., Cosby, B.J., Gherini, S., Lang, M., Munson, R., Lee, S., Schnoor, J., Liff, C., Nikolaidis, N.P., Rochelle, B., and Stevens, D., 1990. Predicting Future Effects of Acidic Deposition on Surface Water Chemistry in the Eastern United States. Presented at First USA/USSR Joint Conference on Environmental Hydrology and Hydrogeology, Leningrad, U.S.S.R., June 18-21.
131. Schnoor, J.L., Nikolaidis, N.P., Lee, S. and Georgakakos, K.P. 1990. Modeling Acidification of Lakes in the Northeastern United States. Presented at: 63rd Annual Conference of Water Pollution Control Federation, Washington, DC, Oct. 7-11.
132. Ecsedy, C. and Nikolaidis, N.P. 1990. Modeling the Effects of Climatic Variability on Freshwater Watersheds. Presented at: 63rd Annual Conference of Water Pollution Control Federation, Washington, DC, Oct. 7-11.
133. Lin, J.D. and Nikolaidis, N.P. 1990. Evaluation of Hydrologic Responses of Forested Watersheds Using an Energy-Driven Distributed Model. Presented at: 1990 Western Pacific Geophysics Meeting, Kanazawa, Japan, Aug. 21-25.
134. Nikolaidis, N.P. 1990. Global Warming: Evaluation of the Effects of Climate Change on Freshwater Systems. Presented at: Central Connecticut State University, New Britain, Connecticut, April 24.
135. Nikolaidis, N.P. and Ecsedy, C.J. 1989. Development of a Framework for the Evaluation of the Effects of Climatic Variability on Freshwater Systems. Presented at SETAC 10th Annual Meeting, Oct. 28-Nov. 2, Toronto, Canada.
136. Nikolaidis, N.P., Hyder, Z. and Carley, R. 1989. Hydrogeochemical Responses of an Upland Forested Watershed in Northcentral Connecticut. Presented at Chapman Conference on Hydrogeochemical Responses of Forested Watersheds, Sept. 18-21, Bar Harbor, Maine.
137. Lin, J.D. and Nikolaidis, N.P. 1989. Evaluation of Hydrologic Responses of Forested Watersheds Using an Energy Driven Distributed Model. Presented at: Chapman Conference on Hydrogeochemical Responses of Forested Watersheds, Sept. 18-21, Bar Harbor, Maine.
138. Nikolaidis, N.P. and Hyder, Z. 1989. Statistical Characterization of Acidic Deposition Time-Series. Presented at American Geophysical Union Spring Meeting, May 5-11, Baltimore, MD.
139. Nikolaidis, N.P. 1988. Episodic Event Acidification Studies in Sierra Nevada, California. University of Massachusetts, invited seminar, Civil and Environmental Engineering Department.
140. Nikolaidis, N.P. , Nikolaidis, V.S., and Schnoor, J.L, 1988. Lake Resources-at-Risk to Acidic Snowmelt Event in Sierra Nevada, California. Presented at SETAC 9th Annual Meeting, Nov. 13-17, Arlington, VA.
141. Nikolaidis, N.P., Nikolaidis V.S., and Schnoor, J.L, 1988. Assessment of Short-Term Freshwater Acidification in the Sierra Nevada Range of California. Presented at AGU Fall Meeting, Dec. 5-9, San Francisco, CA.
142. Georgakakos, K.P., Valle-Filho, G., Nikolaidis, N.P. and Schnoor, J.L. 1987. Effects of Short- and Long-Term Rainfall Fluctuations on Lake Acidification Studies. Presented at American Geophysical Union Fall Meeting, Dec. 7-11, San Francisco, CA.

143. Schnoor, J.L., Nikolaidis, N.P., Lee, S.J. and Georgakakos, K.P. 1987. Acid Deposition Risk Assessment for Lakes in the Northeastern United States. Presented at SETAC 8th Annual Meeting, Nov. 9-12, Pensacola, FL.
144. Nikolaidis, N.P., and Koussouris, T. Water Quality Assessment of Three Lakes in Northern Greece. Presented at the Tenth Midwest Water Chemistry Workshop, Oct. 26-27, 1987, Iowa City, IA.
145. Schnoor, J.L., and Nikolaidis, N.P. 1987. Field Verification of an Alkalinity Mass Balance Model for Watersheds Receiving Acid Deposition in the United States. Presented at International Workshop on Geochemistry and Monitoring in Representative Basins (GEOMON), Apr. 27 - May 1, 1987, Prague, Czechoslovakia
146. Nikolaidis, N.P. 1987. Application of the Enhanced Trickle-Down Model in the Direct/Delayed Response Project (DDRP). Presented at ISEM Symposium, Aug. 10, Columbus, OH.
147. Nikolaidis, N.P. 1987. Modeling of Long-Term Impacts of Acidic Deposition. Presented at 60th Annual WPCF Conference, Oct. 4-9, Philadelphia, PA.
148. Schnoor, J.L., Glass, G.E. and Nikolaidis, N.P. 1984. Acidic Lakes in the Upper Midwest. 57th Annual Conf. of Water Pollution Control Federation, New Orleans, LA, Sept. 30-Oct. 4.
149. Nikolaidis, N.P., Schnoor, J.L. and Lee, S. 1985. Lake Resources at Risk to Acidic Deposition. American Society of Limnology and Oceanography Conference, June 17-21, Minneapolis, MN.

Technical Reports:

1. Hellerich, L.A., M.A. Panciera, **N.P. Nikolaidis**, and B.F. Smets, 2002. AC-6/AC-10 Natural Attenuation Study of Chromium and Chlorinated Ethenes at the Sikorsky Facility in Stratford, Connecticut. Final Report, United Technologies Corporation, Hartford, Connecticut, U.S.A.
2. Boulanger B. and **N.P. Nikolaidis**, 2001. Contribution of Copper-Based Architectural Material to Copper Concentrations and Toxicity in Storm Water Runoff. Final Report, International Copper Association, Ltd And Copper Development Association, New York, N.Y.
3. **Nikolaidis, N.P.**, J.A. Lackovic, P. Larese-Casanova, and G.M. Dobbs, 2000. AsRT Technology Demonstration at the Winthrop Landfill, Maine: Part I – Field and Laboratory Experiments. Final Report. United Technologies Corporation, Hartford Connecticut.
4. **Nikolaidis, N.P.**, and J. Chen, 2000. AsRT Technology Demonstration at the Winthrop Landfill, Maine: Part II – Modeling of Arsenic Removal. Final Report. United Technologies Corporation, Hartford Connecticut.
5. **Nikolaidis, N.P.**, 2001. Evaluation of the Arsenic Remediation Technology (AsRT) Technology in Bangladesh. Technical Report, National Institute of Environmental Health Services Superfund Program at Columbia University, "Health Effects and Geochemistry of As and Pb", New York.
6. Nikolaidis, N.P., et. al., 1999. Environmental Management Plan for the Rehabilitation of Soil in the Lavrion Urban Area. Technical Report EU LIFE Project 93/GR/A14/GR/4576: Soil Rehabilitation of the Municipality of Lavrion, Athens, Greece.
7. Nikolaidis, N.P., Boulanger, B., R. Carley, 1999. Contribution of Copper-Based Architectural Material to Copper Concentrations and Toxicity in Stormwater Runoff, Technical Report, International Copper Association and Copper Development Association, Storrs, CT.

8. Lackovic, J.A., and Nikolaidis, N.P., 1997. Mobility of Arsenic in a Glaciated Aquifer. Technical Report ERI-97.01, Environmental Research Institute, The University of Connecticut, Storrs, CT.
9. Nikolaidis, N.P., H. Heng, R. Semagin, and J. Clausen, 1996. Nonpoint Source Studies of Nutrients in Glaciated Soils of Connecticut: Volume I: Executive Summary, Volume II: Nutrient Dynamics in Base Flow and Episodic Runoff in a Multi-Land Use Watershed, Volume III: Modeling of the Hydrochemical Response of a Watershed to Nutrient Loadings. Technical Report ERI-96.03, Environmental Research Institute, The University of Connecticut, Storrs, CT
10. J. Lackovic, Nikolaidis, N.P., P. Cheeda and R. Carley, 1996. An Evaluation of Batch Leaching Procedures for Heavy Metal Mobility Estimates From Soils. Technical Report ERI-96.04, Environmental Research Institute, The University of Connecticut, Storrs, CT
11. Nikolaidis, N.P., K. Guillard, P. Chheda, J. Lackovic, and R. Carley. 1996. Biosolids utilization evaluation program: Nitrogen study results. Technical Report ERI-96.02, Environmental Research Institute, University of Connecticut, Storrs, CT.
12. Nikolaidis, N.P., J. Lackovic, and P. Chheda. 1996. Biosolids utilization evaluation program: Heavy metal study results. Technical Report, Environmental Research Institute, University of Connecticut, Storrs, CT.
13. Hu, H-L, Nikolaidis, N.P., Grasso, D., 1996. Inhibition of Nickel Precipitation by Gluconate: Kinetic Studies. Technical Report ERI-96.01, Environmental Research Institute, University of Connecticut, Storrs, CT.
14. Hu, H-L, and Nikolaidis, N.P., 1995. Development of treatment techniques for maximizing the recovery of nickel from metal finishing wastewaters. Technical Report ERI-95.03, Environmental Research Institute, University of Connecticut, Storrs, CT.
15. Mattuck, R., and Nikolaidis, N.P., 1994. The Role of Wetlands in the Immobilization of Chromium Contamination. Technical Report ERI-94.05, Environmental Research Institute, University of Connecticut, Storrs, CT.
16. Nikolaidis, N.P. and Anderson, M.S. 1994. Development of a Framework for Chemical Speciation Based Water Quality Criteria for Copper, Final Report, Contract No.14-08-0001-62009, US Geological Survey, Washington, D.C.
17. Heng, H. and Nikolaidis, N.P., 1994. Nonpoint Source Studies of Nutrients in Glaciated Soils of Connecticut: Modeling Studies, Volume I: Watershed - Nutrient Transport and Transformation (Watershed - NTT) Model Development, Technical Report submitted to, Department of Environmental Protection, Long Island Sound Office, Hartford, CT.
18. Semagin, R., Nikolaidis, N.P., and Heng, H. 1994. Nonpoint Source Studies of Nutrients in Glaciated Soils of Connecticut: Field Studies, Technical Report submitted to, Department of Environmental Protection, Long Island Sound Office, Hartford, CT.
19. Scherer, M.M., and Nikolaidis, N.P., 1994. Equilibrium Studies of Chromate Adsorption on Glacio-Fluvial Aquifer Sediments, Technical Report ERI-94.02, Environmental Research Institute, University of Connecticut, Storrs, CT.
20. Asikainen, J.M., and Nikolaidis, N.P., 1993. Redox Capacity Analysis and Heavy Metal Sequential Extraction for Site Assessment of Subsurface Contamination, ERI Report ERI-93.05, Environmental Research Institute, University of Connecticut, Storrs, CT.

21. Nikolaidis, N.P. , Heng, H., Shen, H., and Hu, H., 1993. Nutrient Transport and Transformation Model: Version 1.0. ERI Report ERI-93.03, Environmental Research Institute, University of Connecticut, Storrs, CT.
22. Miller, D.R. and Nikolaidis, N.P. 1993. The Long Island Sound Atmospheric Deposition Project, Report submitted to the Connecticut Department of Environmental Protection, Grant No. CWF-225-R, State of Connecticut, Hartford, CT.
23. Shen, H. and Nikolaidis, N.P., 1992. User's Manual for Chromium Model - Version 1.0 (CrM-UZ and CrM-GW), ERI Report ERI-92.01, Environmental Research Institute, University of Connecticut, Storrs, CT.
24. Nikolaidis, N.P. and Shen, H., 1992. Modeling of the Fate and Transport of Chromium in the Environment, ERI Report ERI-92.02, Environmental Research Institute, University of Connecticut, Storrs, CT.
25. Miller, D. R., Nikolaidis, N.P., Carley, R, Chen, H. Geigert, M., Heitert, J.,and Tarbox, S. 1991. Quality Assurance Plan for Measurement of Atmospheric Dry Deposition to Long Island Sound, ERI Report No. 91-06, Environmental Research Institute, University of Connecticut, Storrs, CT.
26. Mukhopadhyay, N., Bendel, R.B., Nikolaidis, N.P., and Chattopadhyay, 1991. Efficient Sequential Sampling Strategies for Long-Term Environmental Monitoring. Report to Institute for Environmental Health, University of Connecticut, Storrs, CT.
27. Geigert, M.A., Miller D.R., and Nikolaidis, N.P. 1991. Estimated Dry Deposition to a Hardwood Forest in North Central Connecticut. Report to the Dry Deposition Project, Environmental Research Institute, University of Connecticut, Storrs, CT.
28. Schnoor, J.L., Georgakakos, K.P., Lee, S., Nikolaidis, N.P., and Rajaram, H., 1990. Lakes Resources at Risk to Acidification in the Northeastern United States: Direct-Delayed Response Project. Final Report, Cooperative Agreement CR-812329, U.S. EPA, ERL, Corvallis, Oregon.
29. Nikolaidis, N.P., Nikolaidis, V.S., and Schnoor, J.L. 1989. Assessment of Episodic Acidification in the Sierra Nevada, California. Final Report, Contract No. A732-036, California Air Resources Board, Sacramento, CA.
30. Nikolaidis, N.P. 1987. Criteria for Calibration of the DDRP Watersheds Using the ETD Model. Civil and Environmental Engineering, Univ. of Iowa, Technical Note No. CEE-ARRG-87.01.
31. Nikolaidis, N.P. and Schnoor, J.L. 1987. Comparison of the Short and Long-Term Responses of the DDRP Special Interest Watersheds Using the ETD Model. Civil and Environmental Engineering, Univ. of Iowa, Technical Note No. CEE-ARRG-87.02.
32. Nikolaidis, N.P. 1986. Estimation of Daily Potential Evaporation. Civil and Environmental Engineering, Univ. of Iowa, Technical Report No. CEE-ARRG-86.02.
33. Nikolaidis, N.P., Georgakakos, K.P., Schnoor, J.L. 1986. Modeling Short and Long Term Impacts of Acid Precipitation Using the Enhanced Trickle-Down Model: Lake Woods Case Study. Civil and Environmental Engineering, Univ. of Iowa, Technical Report No. CEE-ARRG-86.03.
34. Nikolaidis, N.P., Schnoor, J.L., Georgakakos, K.P. 1986. Modeling Short and Long Term Impacts of Acid Precipitation Using the Enhanced Trickle-Down Model: Lake Panther Case Study. Civil and Environmental Engineering, Univ. of Iowa, Technical Report No. CEE-ARRG-86.04.
35. Nikolaidis, N.P., Schnoor, J.L., Georgakakos, K.P. 1986. Modeling Short and Long Term Impacts of Acid Precipitation Using the Enhanced Trickle-Down Model: Clear Pond Case Study. Civil and Environmental Engineering, Univ. of Iowa, Technical Report No. CEE-ARRG-86.05.

36. Nikolaidis, N.P., Rajaram, H., Schnoor, J.L. and Georgakakos, K.P. 1986. Enhanced Trickle-Down Model Description. Civil and Environmental Engineering, Univ. of Iowa, Technical Report No. CEE-ARRG-86.01.
37. Nikolaidis, N.P., Nayar, N. and Valentine, R.L. 1983. Activated Carbon Adsorption Research: Application and Verification of the Homogeneous Surface Diffusion Model for a High Molecular Weight Compound. Univ. of Iowa technical report.

Funded Research:

▪ **Εκτελούμενα Ερευνητικά Προγράμματα στην Ελλάδα**

1. **LENSES – PRIMA** – Learning and action alliances for Nexus Environments in an uncertain future, 1/5/2021 – 30/4/2024, Principal Investigator: Nikolaos Nikolaidis, Funding: PRIMA 2020 – 246.000 €
2. **eLTER-PLUS** - European long-term ecosystem, critical zone and socio-ecological systems research infrastructure – PLUS (Ευρωπαϊκή ερευνητική υποδομή για μακροχρόνια έρευνα οικοσυστημάτων, κρίσιμης ζώνης και κοινωνικά-οικονομικά συστήματα PLUS), 1/2/2020 -31/1/2025, Principal Investigator: Nikolaos Nikolaidis, Funding: H2020-INFRAIA 01-2018-2019 - 217731 €
3. **eLTER-PPP** - eLTER Preparatory Phase Project (eLTER Πρόγραμμα Φάσης προετοιμασίας), 1/2/2020 - 31/1/2025, Principal Investigator: Nikolaos Nikolaidis, Funding: H2020-INFRAIA 02-2019-2020 - 64500 €
4. **WaysTUP** - Value chains for disruptive transformation of urban biowaste into biobased products in the city context (Αλυσίδες αξίας για την διασπαστική μετάλλαξη των αστικών βιολογικών αποβλήτων σε προϊόντα βιολογικής προέλευσης στο πλαίσιο της πόλης), 1/9/2019 – 31/8/2023, Principal Investigator: Nikolaos Nikolaidis, Funding: H2020-SFS-2018-1 - 425625 €.
5. **NBS Koiliaris** – Integrated study for the protection of the riparian forest and flood control of Koiliaris River (Ερευνητικό έργο για την ολοκληρωμένη προστασία του παρόχθιου δάσους και την αντιπλημμυρική προστασία του ποταμού Κοιλιάρη), 1/8/2018-31/7/2020, Principal Investigator: Nikolaos Nikolaidis, Funding: Region of Crete – 180000 €.
6. **ELVALHALKOR** - Support to SYGAPEZ for in-situ remediation, 1/7/2016-30/6/2022, ELVAL 310.000 €
7. **Advance-eLTER** - Advancing the European Long-Term Ecosystem, critical zone and socio-ecological Research Infrastructure towards ESFRI, 1/1/2017 - 31/12/2017, H2020-INFRADEV-02-2016 - 15.000 €
8. **ThinkNATURE** - Development of a multi-stakeholder dialogue platform and Think tank to promote innovation with Nature based solutions, 1/12/2016 - 30/11/2019, H2020-SC5-10-2016 - 488.125 €
9. **Aquaman** - Innovative solutions to climate change adaptation and governance in the water management of the Region of Crete 1/1/2016 - 28/2/2017, European Economic Area -435.000 €
10. **eLTER** - European Long-Term Ecosystem and socio-ecological Research Infrastructure 1/6/2015 - 31/5/2019, H2020-INFRAIA-2014-2015 - 177.406 €
11. **Hellenic Ministry of Environment** - Water Resources Management Plan of Crete, 1/3/2013 - 31/12/2014, - **45.000 € + VAT**
12. LIFE2011 -CHARMS - Chromium in Asopos groundwater system: Remediation technologies and measures 1/9/2011 - 31/8/2015, LIFE-Environment (with NTUA) - 295,269 € (with Kalogerakis and Karatzas)
13. LIFE 2011 -CONDENSE - The CONDENSE managing system: Production of novel fertilizers from manure and olive mill wastewater, 1/9/2011 - 31/8/2015, LIFE-Environment - 119,538 € (with Kalogerakis)
14. THALIS - CYBERSENSORS - High frequency monitoring system for integrated water resources management of rivers , 1/10/2011 - 31/8/2015, Hellenic Ministry of Education - 600,000 €
15. HERAKLEITOS - EFSTATHIOU - Integrated Intelligent Environmental Monitoring Systems 1/1/2011 - 31/12/2014 Hellenic Ministry of Education - 45,000 €

16. HERAKLEITOS-PAPAFILIPAKI - Agricultural soil improvement using heavy metal containing compost from municipal solid wastes: Impacts on vegetables 1/1/2011 - 31/12/2014 Hellenic Ministry of Education - 45,000 €
17. EOX-DEDISA – Improving the Reclamation and Reuse of the Organic Fraction of Municipal Solid Wastes in Agricultural and Environmental Applications European Economic Space and Ministry of Economy (50-50%), Total 2,200,000 € - TUC Funding 260,000 €
18. EOX-KKK – Innovation Centre of Crete, European Economic Space and Ministry of Economy (50-50%), Total 1,800,000 € - Nikolaidis Funding 120,000 €
19. WFD-Chania – Integrated Water Management Plan for Keritis and Koiliaris River Basins, Region of Crete, 60,000 €
20. DEYA-Chania, 11/2009 – 2/2010 DEYAX 16,500 €
21. SoilTrec – Soil Transformations in European Catchments, 12/2009 – 11/2014 EU-FP7, Total funding 7,000,000 € - TUC Funding 705,400 €
22. HELLAS GOLD – Modeling of groundwater flow and geochemical transport of Mavres Petres and Mantem Lakkos Mines 12/2008 – 6/2009 Hellas Gold SA 59,500 €
23. CHROME – Sustainable management of water resources, Oropos Municipality – Study of the extent of hexavalent chromium contamination 6/2008 – 12/2008, Oropos Municipality, 33,300
24. AQUA – Sustainable management of water resources, Afantou Municipality, Rhodes, 7/2008- 4/2009, DEYAA – Afantou, 35,700 €
25. MIRAGE, Mediterranean Intermittent River Management, 1/2008 -12/2011, EU– FP7 Project, 226,812 €
26. SoilCritZone– Soil sustainability in Europe as deduced from investigation of the Critical Zone, 8/2007 – 7/2009, EU– FP6 Project SSA, 133,800 €
27. AquaTrain – Geogenic chemicals in groundwaters and soils: Research Training Network, 1/2007 -12/2010, EU– Marie Curie Research Training Network (FP6 Project), 193,490 €
28. Environmental Friendly Technologies for Rural Development, 12/1/05 – 30/4/09, E.U. – LIFE Environment, Συνολική Χρηματοδότηση 2,3 εκ. € - \$362,000 (TUC).
29. Water Resources CyberManagement of temporary Rivers, 1/1/06 – 31/12/07, Υπουργείο Ανάπτυξης – ΓΓΕΤ (Συνεργασία με ΗΠΑ), \$74,500
30. tempPonds- Hydrogeochemistry of Mediterranean Temporary Ponds 1/4/05 – 31/7/06 LIFE-NATURE (Subcontract to NCMR), 30.000 €
31. tempQsim, Temporal Waters Modeling, 1/11/02 – 30/4/06, EU – 5th Framework, 107.000 €
32. ΗΡΑΚΛΕΙΤΟΣ – Αποκατάσταση υδάτων και ρυπασμένων εδαφών από αρσενικό με χρήση ριζισμάτων σιδήρου: Διερεύνηση διεργασιών. 8/11/02 – 31/12/06 Υπουργείο Παιδείας, 35.200 €
33. Greek-Hungarian Collaboration on Arsenic Technologies, 1/7/02-30/6/04 Υπουργείο Ανάπτυξης - ΓΓΕΤ, 9.000 €

34. ΕΠΕΑΕΚ – Αναμόρφωση Προπτυχιακού Προγράμματος Σουδών ΜΗΠΕΡ 1/4/02 – 31/12/05 Υπουργείο Παιδείας, 305.400 € ΕΚΤ και 49.800 € ΕΤΠΑ
35. EUROCAT, Development of DPSIR Framework of Analysis, 1/1/2001- 31/12/2003, EU – 5th Framework, 140.000 € (With NCMR)
36. JRC-ISPRA, Application of the Water Framework Directive , 1/1/2001 – 31/12/2002, EU – JRC-ISPRA, 78.000 € (With NCMR)
37. Acheloos River Project, 1/1/2000 – 31/12/2001 Hellenic Ministry of Agriculture, 140.000 € (With NCMR)

Στα 18 χρόνια στο Πολυτεχνείο, ο Dr. Νικολαΐδης ήταν επιστημονικός υπεύθυνος σε 32 ερευνητικά προγράμματα με ύψος χρηματοδότησης της έρευνας του ιδίου περίπου 5.600.000 € .

▪ **Εκτελεσθέντα Προγράμματα στις ΗΠΑ**

1. Demonstration of the arsenic remediation technology in Bangladesh, 6/1/00 - 5/31/05, National Institute of Health and Environmental Services (Columbia University), \$150,000.
2. Environmental sampling and analysis at Sikorsky , Stratford, CT, 6/15/98 -5/31/01, SIKORSKY, United Technologies Corporation, \$281,145
3. Characterization of arsenic contamination in the Winthrop Landfill and groundwater, 9/1/98- 5/31/00, United Technologies Corporation, \$67,000
4. A portable method to determine chloride concentration on roadway pavement,9/1/98 – 8/31/00, New England Transportation Consortium, \$212,739 (with N. Garrick)
5. Contribution of copper-based architectural material to copper concentrations and toxicity in stormwater runoff, 3/1/98-1/1/2001, International Copper Association and Copper Development Association, \$319,213
6. Long-term pilot scale demonstration of the AsRT technology for in-situ remediation of arsenic contaminated groundwater, 2/1/98 - 1/31/2000, United Technology Corporation, \$45,000
7. Hydraulic characterization of the groundwater aquifer at National Chromium, Inc., 6/1/97 - 5/31/99, Department of Energy (MIT), \$68,000
8. Development of a novel technology for in-situ immobilization of inorganic arsenic species using zero valence metals and dissolved inorganic chemicals, 1/1/97 - 5/31/98, Critical Technologies Program, United Technologies Corporation, and APEX Environmental Inc., \$125,800
9. Evaluation of the extent and mobility of arsenic at the vicinity of the Winthrop landfill, 7/1/95 - 11/30/96, United Technologies Corporation, \$45,000 (with R.J. Carley)
10. Biosolids utilization evaluation program, 8/1/94 - 7/31/95, Camp Dresser & McKee Inc., \$162,650, (with R.J. Carley).
11. Measurement of environmental mobility of heavy metals in unsaturated soils, 3/1/94 - 2/28/95, CT Department of Environmental Protection, \$121,640, (with R.J. Carley).
12. Measurement of environmental mobility of heavy metals in soils: Winthrop Landfill, Maine Case study, 5/1/94 - 4/30/95, United Technologies Corporation, \$50,000, (with R.J. Carley).

13. Nonpoint source studies of nutrients in glaciated soils of Connecticut, Extension grant 4/1/1994-3/31/1995, Connecticut Department of Environmental Protection, \$61,887, (with J. Clausen)
14. Development of treatment techniques for maximizing the recovery of nickel from metal finishing wastewaters, /1/93-9/30/94, EPA's Pollution Prevention Research and Development Center, \$17,000, (with S. Suib)
15. Development of a framework for chemical speciation based water quality criteria for various heavy metals, 9/1/93-8/31/94, U.S. Geological Survey, \$20,025
16. Effectiveness of wetlands in immobilizing chromium contamination, 7/1/93-6/30/94, Industrial Affiliates Program, Environmental Research Institute, \$18,000
17. Nonpoint source studies of nutrients in glaciated soils of Connecticut, 7/1/1991-3/31/1994, Connecticut Department of Environmental Protection, \$131,163, (with J. Clausen and D.R. Miller)
18. Groundwater transport studies of chromium contamination in glaciated soils in Connecticut, 7/1/1991, 6/30/1994, Connecticut Department of Environmental Protection, \$66,000, (with G. Robbins, and J. Fenton)
19. Modeling the fate and transport of chromium in the unsaturated zone of Connecticut soils, 9/1/1990-8/31/1991, Connecticut Department of Environmental Protection, \$18,861
20. Measurement of atmospheric dry deposition to Long Island Sound, 7/1/1990-6/30/1992, Connecticut Department of Environmental Protection, \$140,287 + \$180,440 (two year extension 1992-1994)
21. Study of northcentral Connecticut snowpack and associated meltwaters aquatic impacts, 1/4/88 - 31/8/89 Environmental Research Institute, \$17,400
22. Study of atmospheric deposition in the Broad Brook Experimental Watershed, 1/4/88 - 31/8/89, Environmental Research Institute, \$19,000 (with D. Miller and J.D. Lin)
23. Evaluation of the ETD Freshwater Acidification Model, 1/5/88 - 30/4/89, Battelle Pacific Northwest Laboratories, \$10,000
24. Assessment of freshwater acidification in the Sierra Nevada Range of California, 1/8/87 - 31/5/89, California Air Resources Board, \$100,000 (with J.L. Schnoor, and K.P. Georgakakos)

Συνολικά, ήταν υπεύθυνος σε 24 ερευνητικά προγράμματα στις Η.Π.Α. με ύψος χρηματοδότησης περισσότερο από δυόμιση εκατομμύρια δολάρια.

Graduate Advising

Technical University of Crete

PhD Degree

1. Tyrovola Konstantina, 2006
2. Tzoraki Ourania, 2007
3. Stamati Foteini, 2012
4. Papafilipaki Androniki, (2015)
5. Gamvroudis Christos, (2016)
6. Kotronakis Manolis, (2018)
7. Lilli Maria, (2018)
8. Nerantzaki Sofia (2020)
9. Efstathiou Dionisis, (expected 2003)

M.S. Degree

1. Xatzitheoharous Kostas, 2005
2. Stamati Foteini, 2006
3. Paliatziki Athanasia, 2006
4. Peroulaki Elpida, 2006
5. Andrianaki Maria, 2007
6. Valta Katerina, 2008
7. Vozinaki Eirini, 2009
8. Gamvroudis Christos, 2009
9. Kalogerakou Vicki 2009
10. Lilli Maria, 2011
11. Kassiotaki Eliza, 2011
12. Christodoulou Andri, (2012)
13. Grammatikakis Giorgos, (2012)
14. Fraggia Tassoula, (2012)
15. Nerantzaki Sofia 2014
16. Panakoulia Sotiria 2014
17. Poulou Maria 2020

Διπλωματικές

1. Κατερίνα Τσιτωνάκη, 2002
2. Δέσποινα Θεοδωροπούλου, 2002
3. Γιάννης Μαρκόνης, 2003
4. Νίκη Φραγγεσκάκη, 2003
5. Ευθυμία Τσολάκη, 2003
6. Γεώργιος Καλλιάνης, 2003
7. Κώστας Χαηθεοχάρους, 2003
8. Φωτεινή Σταμάτη, 2004
9. Αθανασία Παλιατζίκη, 2004
10. Ελπίδα Περουλάκη, 2004
11. Μαργαρίτα Τζάλη, 2004
12. Ασπασία Σκουλίδη, 2004
13. Αμαλία Κοκκινάκη, 2005
14. Κωνσταντίνα Γεωργακοπούλου, 2005
15. Θεοδοσία Φουντούλη, 2005
16. Ελένη Καλογιάννη, 2006
17. Βαγγέλης Βουτσής, 2006
18. Ιφιγένεια Καπιτανίδου, 2006
19. Θωμάς Νικολακάκης, 2006

20. Ανδρέας Κωτούλας, 2006
21. Βασίλης Γιαννακόπουλος, 2007
22. Εύη Κουσέρη, 2007
23. Λένα Κορδολαίμη, 2007
24. Χριστίνα Γιώτη, 2008
25. Νίκος Χαλκιάς, 2008
26. Κώστας Καραμπουρνιώτης, 2008
27. Βαγγέλης Κουτρομπίνας, 2008
28. Αντρέας Νικολιδάκης, 2008
29. Σταύρος Ναυροζίδης, 2008
30. Άντρη Χριστοδούλου, 2008
31. Magdali Maria, 2012
32. Kaliakatsou Tzina, 2012
33. Vavlas Nikos, 2013
34. Gountanis Grygoris, 2013
35. Aldakos Theodoros, 2014
36. Kontogiorgos Giannis 2014
37. Dimitriou Alexandros 2015
38. Kouri Amaryllis 2015
39. Papageorgaki Margarita 2016
40. Papadaki Sofia 2017
41. Topalogliou Aggeliki 2018
42. Dimitra Pappa, 2018
43. Eleni Kritidou, 2019
44. Ioulia kKoroptsenko, 2021
45. Antonia Maragkaki 2021
46. Panos Valakos 2021

Technical University of Crete

Undergraduate Courses

1. Εφαρμογές στα Περιβαλλοντικά Μοντέλα (7^ο Εξάμηνο)
2. Διαχείριση Υδατικών Πόρων (8^ο Εξάμηνο)
3. Εισαγωγή στην Επιστήμη του Μηχανικού Περιβάλλοντος (1^ο Εξάμηνο-Συνδιδασκαλία με Χ. Τσούτσο)

Graduate Courses

1. Εισαγωγή στα περιβαλλοντικά Μοντέλα (Συνδιδασκαλία με Ν. Παρανυχιανάκη)
2. Ειδικά Θέματα Περιβαλλοντικής Χημείας (Συνδιδασκαλία με Ε. Ψυλλάκη)
3. Integrated Water Resources Management – Summer Training Course (Οργάνωση μαθήματος και συνδιδασκαλία με άλλα μέλη ΔΕΠ)

University of Connecticut

Master's Degree Advising (with thesis):

Total completed: Major advisor=18 Associate advisor=17

Ph.D. Advising:

Total completed : Major advisor=4 Associate advisor=12

List of Advisees With Thesis Option

Thesis Completed

1. *Zafar Hyder, M.S.*, Spring of 1989

- Thesis Title: A study of northcentral Connecticut snowpack and associated meltwaters aquatic impacts
2. *Christopher Ecsedy, M.S.*, Spring of 1990
Thesis Title: Modeling the effects of global climatic variability on freshwater watersheds
 3. *Hsien-Lun Hu, M.S.*, Spring of 1991
Thesis Title: Global climate change studies: The role of input uncertainty on the hydrologic response of freshwater watersheds
 4. *Jay Asikainen, M.S.*, Spring of 1993
Thesis Title: Redox capacity analysis and heavy metal sequential extraction for site assessment of subsurface contamination
 5. *Michelle Scherer, M.S.*, Spring of 1994
Thesis Title: Equilibrium studies of chromate adsorption on glacio-fluvial aquifer Sediments
 6. *Hsiu-Min Chen, M.S.*, Spring of 1994
Thesis Title: Estimation of wet and dry nitrogen and phosphorous atmospheric loading to the Long Island Sound
 7. *Mike Anderson, M.S.*, Spring of 1994
Thesis Title: Copper speciation in the Quinnipiac river
 8. *Kay Saldi, M.S.*, Summer of 1994
Thesis Title: Nitrogen transport to an agricultural stream
 9. *Rosemary Mattuck, M.S.*, Summer of 1994
Thesis Title: The role of wetlands in the immobilization of chromium contamination
 10. *Randy Semagin, M.S.*, Spring 1996
Thesis Title: Base flow and episodic variability of nutrients in a mixed land use watershed
 11. *Huiying Shen, Ph.D.*, Spring of 1996
Thesis Title: Modeling of multicomponent transport in groundwater and its application to chromium system
 12. *Hock Heng, Ph.D.*, Spring of 1996
Thesis Title: Modeling of the hydrochemical response of a watershed to nutrient loadings
 13. *Hsien-Lun Hu, Ph.D.*, Spring of 1996
Thesis Title: Inhibition of nickel precipitation by gluconate: Kinetic considerations
 14. *Jeff Lacovic, M.S.*, Spring of 1996
Thesis Title: An evaluation of batch leaching procedures for heavy metal mobility estimates from soils
 15. *Terry Nelson, M.S.*, Spring of 1996
Thesis Title: Modeling toxic heavy metals in the Naugatuck river
 17. *Lucas Hellerich, M.S.*, Summer of 1999
 18. *Rony Bruel, M.S.*, Spring of 1999

Thesis Title: Evaluation of remedial alternatives of Lead from Shooting Range soil.

19. *Brian Boulanger, M.S.*, Spring of 2001

20. *Shelly Seymour, M.S.*, Spring of 2000

21. *Jing Chen, M.S.*, Spring of 2000

22. *Lucas Hellerich, PhD.*, Summer of 2003

Teaching Load at TUC: 3 courses/year

Graduate Courses: Modeling – Homogenization course
Chemistry – Homogenization course
Modeling of biogeochemical processes in the coastal zone
Advanced topics in environmental chemistry

Undegraduate Courses: Introduction to environmental modeling
Surface water system modeling

Teaching Load at UCONN: 3 courses/year

Graduate Courses: CE - 320 Wetland's Science and Engineering
CE - 327 Numerical Analysis for Civil Engineers
CE - 389 Chemical Transport Phenomena
CE - 390 Environmental Chemistry - I
CE - 405 Environmental Systems Modeling

Undegraduate Courses: CE - 267 Engineering Hydrology
CE - 297 Fluid Mechanics
CE - 294 Environmental Systems Analysis

Short Courses:

Grasso, D. and Nikolaidis, N.P., *Aquatic Chemistry*, The University of Connecticut, Bishop Center, September 23-24, 1991

Nikolaidis, N.P., *Fate and Transport of Heavy Metals in the Environment*, The University of Connecticut, Bishop Center, February 25-26, 1991

Nikolaidis, N.P., Clausen, J., and Barclay, J., *Wetlands: Regulations and Impacts Assessments*, The University of Connecticut, Bishop Center, August 26, 1991

Nikolaidis, N.P. and Robbins, G.A., *Heavy Metals: Site Assessment and Remediation*, The University of Connecticut, Bishop Center, March 2-3, 1992

Nikolaidis, N.P., *Modeling of Chromium Contamination*, Univof Connecticut, August 25, 1992

Nikolaidis, N.P., *Heavy Metal Site Assessment and Remediation*, Remediation short course for United Technologies Corporation, November 9-11, 1993

Nikolaidis, N.P. and Robbins, G.A., *Heavy Metals: Site Assessment and Remediation*, The University of Connecticut, Bishop Center, March 25-26, 1997

Ad Hoc Reviews for Journals and Granting Agencies:

U.S. Environmental Protection Agency

- Reviewer of Global Climate Change Research Program
- Proposal Reviewer of 1996 Grant Application Program
- Proposal Reviewer of 1997 Grant Application Program

U.S. Geological Survey - Reviewer of Proposal 105

National Science Foundation - Proposal Reviewer

New York State Center for Hazardous Waste Management - SUNY Buffalo

Connecticut Department of Environmental Protection - Review of the Intergover. Task Force on Monitoring Water Quality

National Acid Precipitation Assessment Program - Member of Review Panel of the 1996 Assessment, 1997 Final Review

Journals

- Environmental Science and Technology
- American Society of Civil Engineers - Environmental Division
- Research Journal of Water Environment Federation
- Water Resources Research
- Water Resources Bulletin
- Water, Air and Soil Pollution
- Aquatic Sciences
- Carbon 14 Journal
- Global Biogeochemical Cycles
- Journal of Soil and Water Conservation
- Ground Water
- Journal of Soil Contamination
- Hazardous Waste and Hazardous Materials
- Environmental Engineering Science

Associate Editor of Ground Water Journal 1995 - 1998

University of Connecticut

1. Departmental Committees

1. Promotion, Tenure and Reappointment Committee - 96-97 FY - Chairman
2. Promotion, Tenure and Reappointment Committee - 98-99 FY
3. CEE DEPARTMENT Executive Committee - 98-99
4. Undergraduate Affairs Committee
5. Prepare proposal for an Environmental Area of Concentration in
6. Civil Engineering 1991-1992
7. Organize Aquatic Research Center Proposal 1992-1993
8. Environmental Seminar 1988-1993
9. External Relations Committee 1992-1993
10. Curricula & Courses Committee 1989-1990
11. AAUP Liaison 1989-1990
12. Open House Committee 1989-1990
13. XE Faculty Advisor 1990-1993
14. Environmental Search Committee 1990-1991
15. Hydrology/Water Res. Search Committee 1990-1991

- 16. CEE Interim Head Search Committee 1996-1997
- 17. Hydrology/Water Res. Search Committee 1997-1998

2. School of Engineering Committees:

- 1. Environmental Engineering Field of Study
 - Director 1998 - 1999
 - Organized and passed BSE in Environmental Engineering
 - Implemented Minor in Environmental Engineering
 - Handled graduate affairs of the program
 - Prepared advertising material for graduate and undergraduate programs
 - Coordinated and implemented a web page for the Program
 - Environmental Engineering Field of Study Coordinator 1990-1992
 - Adm. Environmental Field of Study 1989-1990
 - Stirling Committee - member - establish direction of the program
 - Admissions committee - member - review of all applications
 - Curriculum committee - chair - review of the graduate program
 - NU Distinguished Professor Search Committee
- 2. Environmental Research Institute
 - Environmental Search Committee
 - Strategic Plan review committee
 - Executive Board Member 1996-present
 - ERI/DEP Research Council
 - ERI Executive Committee
 - Assistant Director
 - Executive Board Member
 - DEP/ERI Council
- 2. School of Engineering
 - Graduate Affairs Committee
 - Undergraduate Committee

3. University Activities/Committees:

- 1. Center for Environmental Health, Univ. of Connecticut
 - Advisory Board Member
 - Proposal Review
- 2. Institute of Water Resources, Univ. of Connecticut
 - Technical Committee Member
 - Proposal Review
- 3. Student Union Addition Committee - chair of the faculty subcommittee
- 4. Department of Marine Science - Chemical Oceanography Search Committee
- 5. Graduate School - Alternative Energy ad hoc Committee

*Consulting Services Provided by
N. P. Nikolaidis*

1. **Services Provided to: Mr. Raymond D'Argenio, West Hartford, Connecticut**
Environmental Impact Assessment: Water Quality Effects on the Scotland Road Pond, Windham, Connecticut due to a proposed development, May 1988.
2. **Services Provided to: Lakeville Campowners Association, Lakeville, Maine**
Investigate the effects of forest clearcutting on the water quality of the lakes within the Lakeville area, March - July, 1990.
3. **Services Provided to: Beck and Eldergill, Attorneys at Law, Manchester, CT**
Review of the CTDEP permit for water diversion and NPDES permit for the Construction of the Mall at Buckland Hills, Manchester, CT, October, 1988.
4. **Services Provided to: Department of Civil and Environmental Engineering, The University of Iowa**
Modify a hydrologic and biogeochemical watershed model for the evaluation of the effects of acidic deposition to lakes in northeastern US, 1989-90.
5. **Services Provided to: Oak Ridge National Laboratory, Environmental Division, Oak Ridge, Tennessee**
Review of the program: "Comparison of Lake Acidification Models," 1989.
6. **Services Provided to: Jackson, Harris and Burlingame, Attorneys at Law, Danielson, CT**
Comparative Environmental Impacts Analysis of stream crossing Alternatives on the water quality and nature of a stream wetland, 1990.
7. **Services Provided to: U. S. Environmental Protection Agency**
Review of the level 1 activities of the Global Climate Research Program - Environmental Research Lab - Corvallis, OR.
Member of the "Scientific Watershed Evaluation Team", Coastal America Project, Sea Grant Advisory Program, U.S. Environmental Protection Agency, July, 1991- August, 1992
Reviewer of the workshop "Reducing Uncertainty in Mass Balance Models of Toxics in The Great Lakes - Lake Ontario Case Study", SUNY Buffalo, Feb. 3-5, 1992, Funded by EPA and the Great Lakes Research Program
8. **Services Provided to: National Center for Marine Research, Athens, Greece**
Design and execution of Zebra Mussels Disinfection Studies: Agrinio City Distribution System, Greece, 1989-1991.
9. **Services Provided to: Apex Environmental, Inc., MD**
Hazardous waste remediation, 1994.
10. **Services Provided to: TRC, CT**
Heavy metal modeling, 1994.

11. **Services Provided to: UTRC, CT**
Heavy metal retraining course, 1993.
12. **Services Provided to: LandTech Remedial Inc., CT**
Heavy metal site assessment and remediation short course, 1994.
13. **Services Provided to: Town of Granby, MA**
Counseling the Board of Health on their Sanitary Landfill issues, 1994.
14. **Services Provided to: Environmental Risk Limited, CT**
Heavy metal leaching studies, 1994.
15. **Services Provided to: National Chromium Inc., CT**
Heavy metal leaching studies, 1996.
16. **Services Provided to: HRP Associates, Plainville, CT**
Heavy metal leaching studies, 1998.
17. **Services Provided to: Baker Environmental, PA**
Zinc remedial alternatives selection, 1999
18. **Services Provided to: Loureiro Engineering Associates, Plainville, CT**
Zinc remedial alternatives selection, 1998