

EDUCATION

- (2011) Doctoral Degree, Department of Environmental Engineering, Technical University of Crete, Greece.
Doctoral Thesis: "Uncertainty Assessment in Water Resources Management at Watershed Level with the Use of a Meteorological Radar"
Supervisor: Professor Ioannis K. Tsanis

- (2005) MAsc Diploma in Water Resources, McMaster University Canada, Department. of Civil Engineering.
Master Thesis: "Groundwater Level Forecasting Using Artificial Neural Networks"
Supervisor: Professor Paulin Coulibaly

- (2003) Engineering Diploma, Department of Environmental Engineering, Technical University of Crete, Greece.
Diploma Degree: 7.7/10

PROFESSIONAL EXPERIENCE

- (2021-today) Assistant Profession in Natural Resources Management Systems Engineering and Agroiinformatics in the Department of Agriculture of the Hellenic Mediterranean University.

- (2005-2021) Professional Environmental Engineering

TEACHING EXPERIENCE

- (T11) Lecturing (41 hours) and compilation of educational material for the course "Water Resources Management" for the Postgraduate Program "Applied Science and Technology in Agronomy", Technological Educational Institution of Crete, Department of Agriculture (winter 2020)

- (T10) Lecturing (36 hours) and compilation of educational material for the course "Water Resources Management" for the Postgraduate Program "Applied Science and Technology in Agronomy", Technological Educational Institution of Crete, Department of Agriculture (spring 2019)

- (T09) Lecturing (36 hours) and compilation of educational material for the 4th year course "Water Resources Management" at the Technical University of Crete, School of Environmental Engineering (spring 2017-2018)

- (T08) Lecturing (36 hours) and compilation of educational material for the course "Water Resources Management" for the Postgraduate Program "Applied Science and Technology in Agronomy", Technological Educational Institution of Crete, Department of Agriculture (winter 2017-2018)

- (T07) Co-lecturing (34 hours) and compilation of educational material for the course "Environmental Resource Management and Ecology" for the Postgraduate Program

"Applied Science and Technology in Agronomy", Technological Educational Institution of Crete, Department of Agriculture (spring 2017)

- (T06) Lecturing (22 hours) and compilation of educational material for the course "Environmental Resource Management and Ecology" for the Postgraduate Program "Applied Science and Technology in Agronomy", Technological Educational Institution of Crete, Department of Agriculture (winter 2016-2017)
- (T05) Co-lecturing (34 hours) and compilation of educational material for the course "Environmental Resource Management and Ecology" for the Postgraduate Program "Applied Science and Technology in Agronomy", Technological Educational Institution of Crete, Department of Agriculture (spring 2016)
- (T04) Lecturing (36 hours) and compilation of educational material for the course "Environmental Resource Management and Ecology" for the Postgraduate Program "Applied Science and Technology in Agronomy", Technological Educational Institution of Crete, Department of Agriculture (winter 2015-2016)
- (T03) Teaching assistantship for the 3rd year course "Environmental Hydraulics", Technical University of Crete, Department of Environmental Engineering (2005).
- (T02) Teaching assistantship for the 4th year course "Storm-water management", McMaster University Canada, Department of Civil Engineering (2004).
- (T01) Teaching assistantship for the 2nd year course "Fluid Mechanics", McMaster University Canada, Department of Civil Engineering (2004).

RESEARCH PROJECT PARTICIPATION

- (R20) TM Solutions "CompOlive" RIS3-Crete KPHP3-0028773 (6/2020 – 9/2021)
- (R19) Landco S.A. "DRIP: Development of an Advanced Precision Drip Irrigation System for Tree Crops" as scientific coordinator (8/2018 – 9/2021)
- (R18) ENVIROPLAN S.A. "B2B" (5/2018 – 9/2021)
- (R17) ENVIROPLAN S.A. "SOLARGAS" (5/2018 – 9/2021)
- (R16) ENVIROPLAN S.A. "BIOWASTE" (10/2019 – 9/2021)
- (R15) Food for Feed (F4F): An Innovative Process for Transforming Hotels' Food Wastes into Animal Feed LIFE15/ENV/GR/000257 (25/5/2020 contract).
- (R14) Consulting contract with Dialynas S.A. for the R&D project "ACU – Autonomous Composting Units" (5/2018 – 4/2021)
- (R13) SOilless culture UPgrade – SOUP: Utilizing Robotic Systems and Computational Intelligence Technologies to Reduce Costs and Inputs in Hydroponic Cultures (ΕΔΚ1) (3/2019-2/2021)
- (R12) A2U Food: Avoidable and Unavoidable Food Waste: A Holistic Managing Approach for Urban Environments (Urban Innovative Actions) (3/2018-today)

- (R11) CONDENSE: “The condense managing system: production of novel fertilizers from manure and olive mill wastewater” (5/2018-12/2018).
- (R10) COST ES1306 CONNECTEUR: The Hydrological and Erosional Cycles in Karstic Terrains (2018)
- (R09) RECARE: Preventing and Remediating degradation of soils in Europe through Land Care (Collaborative Large Integrated Project, FP7-ENV.2013.6.2-4) (11/2013-10/2018)
- (R08) CASCADE: CAstrophic Shifts in drylands; how CAn we prevent ecosystem DEgradation (Collaborative Large Integrated Project, FP7-ENV-2012) (5/2012-today)
- (R07) Dialynas S.A.: “HOMCOM: Developing a low cost central home composting unit for apartment buildings and small/medium size hotels” (10/2012 – 9/2014)
- (R06) COMPINE: Comprehensive Modelling of the Earth System for better climate prediction and projection (Integrated Project), FP7-ENV-2008-1 (4/2011-5/2011)
- (R05) WATCH: WATer & global CHance (Integrated Project) Sixth Framework Programme – Global Change and Ecosystems Priority – 4th Call Paragraph II.1.1 Global Water Cycle, Water Resources and Droughts) (11/2010-3/2011).
- (R04) SCENES: Water Scenarios for Europe and for Neighboring States (Integrated Project), Sub-Priority 6.3 – Global Change and Ecosystems, Sub-priority research area - II.4 Scenarios of water demand and availability, Topic - II.4.1 Water scenarios for Europe and for neighbouring countries (5/2009-10/2010)
- (R03) HYDRATE: Hydrometeorological data resources and technologies for effective flash flood forecasting Sixth Framework Programme – Global Change and Ecosystems Priority – 4th Call Paragraph II.1.2 “Flash Flood forecasting (4/2008-8/2009)
- (R02) Flash Flood Forecasting with the Use of C-Band Radar in the Island of Crete: General Secretariat for Research and Technology, International S & T Cooperation Directorate - Bilateral Relations Division, Scientific and Technological Cooperation between RTD Organizations in Greece and RTD Organizations in USA & Canada (11/2006-3/2008)
- (R01) HarmoniRiB: European Community EC-RS (Energy, environment and sustainable development Key Action 1: Sustainable Management and Quality of Water, Harmonized Techniques and Representative River Basin Data for Assessment and Use of Uncertainty Information in Integrated Water Management (4/2005-9/2006)

PUBLICATIONS

Scopus: Citations: 2151; h-index: 20

Google Scholar: Citations: 3219; h-index: 22; i10-index: 34

ORCID: 0000-0001-9333-4963

- (J47) Nektarios N. Kourgialas, Angelos Hliaoutakis, Athanasios V Argyriou, Giasemi Morianou, Apostolos E Voulgarakis, Eleni Kokinou, **Ioannis N. Daliakopoulos**; Dimitrios Kalderis, Konstantinos Tzerakis, Georgios Psarras, Nikos Papadopoulos,

- Thrassyvoulos Manios, Antonios Vafidis, Pantelis Soupios, 2022. A web-based GIS platform supporting innovative irrigation management techniques at farm-scale for the Mediterranean island of Crete. *Science of the Total Environment* 842-156918. <https://doi.org/10.1016/j.scitotenv.2022.156918>
- (J46) Papadimitriou, D.M., **Daliakopoulos, I.N.**, Kontaxakis, E., Sabathianakis, M., Manios, T., Savvas, D., 2022. *Scientia Horticulturae* Effect of moderate salinity on Golden Thistle (*Scolymus hispanicus L.*) grown in a soilless cropping system. *Sci. Hortic.* 303, 111182. <https://doi.org/10.1016/j.scienta.2022.111182>
- (J45) Moschou, C.E., Papadimitriou, D.M., Galliou, F., Markakis, N., Papastefanakis, N., Daskalakis, G., Sabathianakis, M., Stathopoulou, S., Bouki, C., **Daliakopoulos, I.N.**, Manios, 2022. Grocery Waste Compost as an Alternative Hydroponic Growing Medium. *Agronomy*, 12(4), 789; DOI:10.3390/agronomy12040789
- (J44) Ioannou, T., Bazigou, K., Katsigianni, A., Fotiadis, M., Chroni, C., Manios, T., Daliakopoulos, I., Tsompanidis, C., Michalodimitraki, E., Lasaridi, K., 2022. The “A2UFood Training Kit”: Participatory Workshops to Minimize Food Loss and Waste. *Sustainability*, 14(4), 2446; DOI: 10.3390/su14042446
- (J43) Christoforidi, I., Kollaros, D., Papadakaki, M., Psaroudaki, M., Antoniou, T., **Daliakopoulos, I.N.**, 2022. A novel index for assessing perceived availability and public demand for urban green space: Application in a Mediterranean island. *Urban Forestry & Urban Greening*. DOI: 10.1016/j.ufug.2022.127498
- (J42) Fragkou, E., Antoniou, E., **Daliakopoulos, I.N.**, Manios, T., Theodorakopoulou, M., Kalogerakis, N., 2021. In Situ Aerobic Bioremediation of Sediments Polluted with Petroleum Hydrocarbons: A Critical Review. *Journal of Marine Science and Engineering*, 2021, 9(9), 1003. DOI: 10.3390/jmse9091003
- (J41) Cerdà, A., Terol, E., & **Daliakopoulos, I.N.**, 2021. Weed cover controls soil and water losses in rainfed olive groves in Sierra de Enguera, eastern Iberian Peninsula. *Journal of Environmental Management*, 290, 112516. doi: 10.1016/j.jenvman.2021.112516
- (J40) Grillakis, M.G., Koutroulis, A.G., Alexakis, D.D., Polykretis, C., **Daliakopoulos, I.N.**, 2021. Regionalizing Root-Zone Soil Moisture Estimates from ESA CCI Soil Water Index Using Machine Learning and Information on Soil, Vegetation, and Climate. *Water Resources Research*, 2021, 57(5), e2020WR029249. doi: 10.1029/2020WR029249
- (J39) Fernandez-Anez, N., Krasovskiy, A., Muller, M., Vacik, H., Baetens, J., Hukic, E., Kapovic Solomun, M., Atanassova, I., Glushkova, M, Bogunovic, I., Fajkovic, H., Djuma, H., Boustras, G., Adamek, M., Devetter, M., Hrabalíková, M., Huska, D., Martínez Barroso, P., Vaverkova, M.D., Zúmr, D., Jogiste, K., Metslaid, M., Koster, K., Koster, E., Pumpanen, J., Ribeiro-Kumara, C., Di Prima S., Pastor, A., Rumpel, C., Seeger, M., **Daliakopoulos I.N.**, Daskalakou, E., Koutroulis, A., Papadopoulou, M.P., Stampoulidis, K., Xanthopoulos, G., Aszalos, R., Balazs, D., Kertesz, M., Valko, O., Finger, D.C., Thorsteinsson, T., Till, J., Bajocco, S., Gelsomino, A., Amodio, A.M., Novara, A., Salvati, L., Telesca, L., Ursino, N., Jansons, A., Kitenberga, M., Stivrins, N., Brazaitis, G., Marozas, V., Cojocar, O., Gumeniuc, I., Sfecla, V., Imeson, A., Veraverbeke, S., Mikalsen, R.F., Koda, E., Osinski, P., Castro, A.C.M., Nunes J.P.,

- Oom, D., Vieira, D., Rusu, T., Bojovic, S., Djordjevic, D., Popovic, Z., Protic, M., Sakan, S., Glasa, J., Kacikova, D., Lichner, L., Majlingova, A., Vido, J., Ferk, M., Ticar, J., Zorn M., Zupanc, V., Hinojosa, M.B., Knicker, H., Lucas-Borja, M.E., Pausas, J., Prat-Guitart, N., Ubeda, X., Vilar, L., Destouni, G., Ghajarnia, N., Kalantari, Z., Seifollahi-Aghmiuni, S., Dindaroglu, T., Yakupoglu, T., Smith, T., Doerr, S., Cerda, A., 2021. Current Wildland Fire Patterns and Challenges in Europe: A Synthesis of National Perspectives. *Air, Soil and Water Research* 14: 1-9. doi: 10.1177/117862212111028
- (J38) Cerda, A., **Daliakopoulos, I.N.**, Terol, E., Novara, A., Fatahie, Y., Moradi, E., Salvati, L., Pulido, M., 2021. Long-term monitoring of soil bulk density and erosion rates in two *Prunus Persica* (L) plantations under flood irrigation and glyphosate herbicide treatment in La Ribera district, Spain. *Journal of Environmental Management*, 282, 111965. doi: 10.1016/j.jenvman.2021.111965
- (J37) van den Elsen, E., Stringer, L.C., de Ita, C., Hessel, R., Kéfi, S., Schneider, F.D., Bautista, S., Mayor, A.G., Baudena, M., Rietkerk, M., Valdecantos, A., Vallejo, V.R., Geeson, N., Brandt, C.J., Fleskens, L., Hemerik, L., Panagos, P., Valente, S., Keizer, J.J., Schwilch, G., Riva, M.J., Sietz, D., Christoforou, M., Hadjimitsis, D.G., Papoutsas, C., Quaranta, G., Salvia, R., Tsanis, I.K., **Daliakopoulos, I.N.**, de Ruiter, P.C., Advances in understanding and managing sudden ecosystem shifts in Mediterranean drylands. *Frontiers in Ecology and Evolution* 8:561101. doi: 10.3389/fevo.2020.561101
- (J36) Moradi, E., Rodrigo-Comino, J., Terol, E., Mora-Navarro, G., da Silva, A.M., **Daliakopoulos, I.N.**, Khosravi, H., Fernández, M.P., Cerda, A., 2020. Quantifying soil compaction in persimmon orchards using ISUM (Improved stock unearthing method) and core sampling methods. *Agriculture* 10 (7) 266 pp1-18. doi: 10.3390/agriculture10070266. Cited 4 times
- (J35) Artemi Cerda, Jesús Rodrigo-Comino, Tugrul Yakupoglu, Turgay Dindaroğlu, Enric Terol, Gaspar Mora, Alireza Arabameri, Maja Radziemska, Agata Novara, Ataollah Kaviani, Magdalena Daria Vaverková, Sameh Kotb Abd-Elmabod, Hafiz Mohkum Hammad, **Ioannis Daliakopoulos**. Tillage versus No-Tillage. Soil properties and hydrology in an organic persimmon farm in Eastern Iberian Peninsula. *Water* 12 (6) 1 1539. doi: 10.3390/w12061539 Cited 13 times
- (J34) Christias, P., **Daliakopoulos, I.N.**, Manios, T., Mocanu, M., 2020. Comparison of Three Computational Approaches for Tree Crop Irrigation Decision Support. *Mathematics* 8(5), 717 doi: 10.3390/math8050717.
- (J33) Okpara, U., Luuk Fleskens, L., Stringer, L., Hessel, R., Felicitas Bachmann, F., **Daliakopoulos, I.**, Berglund, K., Blanco Velazquez, F.J.; Dal Ferro, N., Keizer, J., Kohnova, S., Lemann, T., Quinn, C., Schwilch, G., Siebielec, G., Skaalsveen, K., Tibbet, M., Zoumides, C. 2020. Helping stakeholders select and apply appraisal tools to mitigate soil threats: Researchers' experiences from across Europe. *Journal of Environmental Management* 257, 110005. doi: 10.1016/j.jenvman.2019.110005. Cited 5 times
- (J32) **Daliakopoulos, I.N.**, and Saskia Keestra, 2020. TERRAenVISION: Science for Society. *Environmental Issues Today. Journal of Environmental Management*, 236,

- 466-480. *Science of the Total Environment*, 704, 135238, doi: 10.1016/j.scitotenv.2019.135238.
- (J31) Cuevas, J., **Daliakopoulos, I.N.**, del Morala, F., Huesoc, J.J., Tsanis, I.K., 2019. A Review of Soil-Improving Cropping Systems for Soil Salinization. *Agronomy* 2019, 9(6), 295; doi.org:10.3390/agronomy9060295 Cited 23 times
- (J30) **Daliakopoulos, I.N.**, Tsanis, I.K., 2019. A SIFT-based DEM extraction approach using GEOEYE-1 satellite stereo-pairs. *Sensors*, 19, 1123. doi:10.3390/s19051123. Cited 2 times
- (J29) Rahmati, O., Golkarian, A., Keesstra, S., Trent Biggs, **Daliakopoulos, I.N.**, 2019. Land subsidence hazard modeling: Machine learning to identify predictors and the role of human activities. *Journal of Environmental Management*, 236, 466-480. doi: 10.1016/j.jenvman.2019.02.020. Cited 20 times
- (J28) **Daliakopoulos, I.N.**, Apostolakis, A., Wagner, K., Deligianni, A., Koutskoudis, D., Stamatakis, A., Tsanis, I.K., 2017. Effectiveness of *Trichoderma harzianum* in soil and yield conservation of tomato crops under saline irrigation. *Catena* 175, 144-153. doi: 10.1016/j.catena.2018.12.009. Cited 3 times
- (J27) Schwilch, G., Lemann, T., Berglund, Ö., Camarotto, C., Cerdà, A., **Daliakopoulos, I.N.**, Kohnová, S., Krzeminska, D., Marañón, T., Rietra, T., Sibielec, G., Thorsson, J., Tibbett, M., Valente, S., van Delden, S., van den Akker, J., Verzandvoort, S., Vrñceanu N.O., Zoumides C. and Hessel, R., 2019. Assessing impacts of soil management measures on Ecosystem Services. *Sustainability*, 2018, 10(12), 4416, doi: 10.3390/su10124416. Cited 13 times.
- (J26) Moustakas, A., **Daliakopoulos, I.N.**, Benton, T.G., 2018. Data-driven competitive facilitative tree interactions and their implications on soil water availability. *Science of the Total Environment*, 651 (2) 2269-2280 doi: 10.1016/j.scitotenv.2018.09.349. Cited 4 times
- (J25) Moustakas, A., Evans, M.R., **Daliakopoulos, I.N.**, Markonis, Y., 2018. Abrupt events and population synchrony in the dynamics of Bovine Tuberculosis. *Nature Communications* 9:2821, doi: 10.1038/s41467-018-04915-0. Cited once
- (J24) Riva, M.J., Baeza, J., Bautista, S., Christoforou, M., **Daliakopoulos, I.N.**, Hadjimitsis, D., Keizer, J.J., Liniger, H., Quaranta, G., Ribeiro, C., Salvia, R., Tsanis, I.K., Urgeghe, A., Valdecantos, A., Schwilch, G., 2017. How does land management contribute to the resilience of Mediterranean forests and rangelands? A participatory assessment. *Land Degradation & Development* DOI: 10.1002/ldr.3104. Cited 2 times
- (J23) **Daliakopoulos, I.N.**, Panagea, S.I., Tsanis, I.K., Grillakis, M.G., Koutroulis, A.G., Hessel, R., Mayor, A.G., and Ritsema, C.J., 2017. Yield Response of Mediterranean Rangelands under a Changing Climate. *Land Degradation & Development*, 28 (7) 1962-1972. DOI: 10.1002/ldr.2717. Cited 20 times.
- (J22) Grillakis, M.G., Koutroulis, A.G., **Daliakopoulos, I.N.**, Tsanis, I.K., 2017. A method to preserve trends in quantile mapping bias correction of climate modeled temperature.

Earth System Dynamics 8(3), pp. 889-900 DOI:10.5194/esd-8-889-2017. Cited 21 times

- (J21) Riva, M.J., **Daliakopoulos, I.N.**, Eckert, S., Hodel, E., Liniger, H., 2017. Assessment of Land Degradation in Mediterranean Forests and Grazing Lands using a Landscape Unit Approach and the Normalized Difference Vegetation Index. *Applied Geography* 86:8-21. DOI: 10.1016/j.apgeog.2017.06.017. Cited 28 times.
- (J20) **Daliakopoulos, I.N.**, Katsanevakis, S., Moustakas, A., 2017. Spatial Downscaling of Alien Species Presences using Machine Learning. *Frontiers in Earth Science* 5:60. doi: 10.3389/feart.2017.00060. Cited 7 times.
- (J19) Alexakis, D.D., Mexis, P.D., Vozinaki, A.E.K., **Daliakopoulos, I.N.**, Tsanis, I.K., 2017. Soil moisture content estimation based on Sentinel-1 and auxiliary earth observation products. A hydrological approach. *Sensors* 17 (7) DOI: 10.3390/s17061455. Cited 50 times.
- (J18) Alexakis, D.D., **Daliakopoulos, I.N.**, Panagea, I., Tsanis, I.K., 2016. Assessing soil salinity using WorldView-2 multispectral images in Timpaki, Crete, Greece. *Geocarto International*, 61 (15) 2763-2774. DOI:10.1080/10106049.2016.1250826. Cited 12 times
- (J17) **Daliakopoulos, I.N.**, Tsanis I.K., Koutroulis, A., Kourgialas N., Varouchakis, E., Karatzas P., Ritsema C., 2016. The Threat of Soil Salinity: a European scale review. *Science of the Total Environment*. 574, 727-739. DOI: 10.1016/j.scitotenv.2016.08.177. Cited 159 times.
- (J16) **Daliakopoulos, I.N.**, Tsanis I.K., 2016. Comparison of an Artificial Neural Network and a Conceptual Rainfall-Runoff Model in the Simulation of Ephemeral Streams. *Hydrological Sciences Journal* DOI:10.1080/02626667.2016.1154151. Cited 22 times.
- (J15) Grillakis, M.G., Koutroulis, A.G., Papadimitriou, L.V., **Daliakopoulos, I.N.** and Tsanis, I.K., 2016. Climate induced shifts in global soil temperature regimes. *Soil Science* 181 (6), 264-272. DOI: 10.1097/SS.000000000000156. Cited 16 times.
- (J14) **Daliakopoulos I.N.**, Pappa, P., Grillakis, M.G., Varouchakis, E.A., Tsanis, I.K., 2016. Modelling soil salinity in greenhouse cultivations under a changing climate with SALTMED: Model modification and application in Timpaki, Crete. *Soil Science*, 181 (6), 241-251. DOI: 10.1097/SS.000000000000161. Cited 10 times.
- (J13) Panagea I.S., **Daliakopoulos I.N.**, Tsanis, I.K., Schwilch, G., 2016. Evaluation of promising technologies for soil salinity amelioration in Timpaki (Crete): a Participatory Approach. *Solid Earth*, 7, 177-190. DOI: 10.5194/se-7-177-2016. Cited 21 times.
- (J12) Koutroulis, A. G., Grillakis M.G., **Daliakopoulos, I.N.**, Tsanis I.K., and Jacob D., 2015. Cross sectoral impacts on water availability at +2 °C and +3 °C for east Mediterranean island states: the case of Crete. *Journal of Hydrology* 532, pp. 16-28. DOI: 10.1016/j.jhydrol.2015.11.015. Cited 28 times.

- (J11) Apostolakis, A., Wagner, K., **Daliakopoulos, I.N.**, Tsanis, I.K., 2016. Greenhouse Soil Moisture Deficit under Saline Irrigation and Climate Change. *Procedia Engineering* 166, 537–544 DOI:10.1016/j.proeng.2016.11.098. Cited 5 times
- (J10) **Daliakopoulos, I.N.**, Tsanis, I.K., 2014. Climate-induced catastrophic shifts in pastoralism systems managed under the maximum sustainable yield model. *International Journal of Operational Research* 14 (2) pp. 177-188. DOI:10.1007/s12351-014-0156-7. Cited 4 times
- (J09) Tsanis, I.K., Seiradakis, K.D., **Daliakopoulos I.N.**, Grillakis, M.G., Koutroulis, A.G., 2013. Assessment of geoeye-1 stereo-pair-generated dem in flood mapping of an ungauged basin. *Journal of Hydroinformatics* 16 (1) pp. 1–18. DOI: 10.2166/hydro.2013.197. Cited 22 times.
- (J08) Koutroulis, A.G., Tsanis, I.K., **Daliakopoulos, I.N.**, Jacob, D., 2012. Impact of climate change on water resources status: a case study for Crete Island, Greece. *Journal of Hydrology* 479 (4) pp. 146-158. DOI: 10.1016/j.jhydrol.2012.11.055. Cited 70 times.
- (J07) **Daliakopoulos, I.N.**, Tsanis, I.K., 2012. A weather radar data processing module for storm analysis. *Journal of Hydroinformatics* 14 (2) pp. 332-344. DOI: 10.2166/hydro.2011.118. Cited 6 times.
- (J06) Tsanis, I.K., Koutroulis, A.G., **Daliakopoulos, I.N.**, Jacob, D., 2011. Severe climate-induced water shortage and extremes in Crete. *Climatic Change* 106 (4), pp. 667-677. DOI: 10.1007/s10584-011-0048-2. Cited 49 times
- (J05) Koutroulis, A.G., Tsanis, I.K., **Daliakopoulos, I.N.**, 2010. Seasonality of floods and their hydrometeorologic characteristics in the island of Crete. *Journal of Hydrology* 394 (1-2), pp. 90-100. DOI: 10.1016/j.jhydrol.2010.04.025. Cites 54 times
- (J04) **Daliakopoulos, I.N.**, Grillakis, E.G., Koutroulis, A.G., Tsanis, I.K., 2009. Tree crown detection on multispectral VHR satellite imagery, *Photogrammetric Engineering and Remote Sensing* 75 (10), pp. 1201-1211. DOI: 10.14358/PERS.75.10.1201. Cited 31 times.
- (J03) Gaume, E., Bain, V., Bernardara, P., Newinger, O., Barbuc, M., Bateman, A., Blaškovičová, L., Blöschl, G., Borga, M., Dumitrescu, A., **Daliakopoulos, I.N.**, Garcia, J., Irimescu, A., Kohnova, S., Koutroulis, A., Marchi, L., Matreata, S., Medina, V., Preciso, E., Sempere-Torres, D., Stancalie, G., Szolgay, J., Tsanis, I., Velasco, D., Viglione, A., 2009. A compilation of data on European flash floods. *Journal of Hydrology* 367 (1-2), pp. 70-78. DOI: 10.1016/j.jhydrol.2008.12.028. Cited 441 times.
- (J02) Tsanis I.K., Coulibaly, P., **Daliakopoulos, I.N.**, 2008. Improving groundwater level forecasting with a feedforward neural network and linearly regressed projected precipitation. *Journal of Hydroinformatics* 10 (4) 317–330. DOI: 10.2166/hydro.2008.006. Cited 37 times.
- (J01) **Daliakopoulos, I.N.**, Coulibaly, P., Tsanis, I.K., 2005. Groundwater Level Forecasting Using Artificial Neural Networks, *Journal of Hydrology*, 309, 229 – 240. DOI: 10.1016/j.jhydrol.2004.12.001. Cited 386 times.

Discussion Papers

- (DJ2) Grillakis, M.G., Koutroulis, A.G., **Daliakopoulos, I.N.**, Tsanis, I.K., 2016. Addressing the assumption of stationarity in statistical bias correction of temperature. *Earth System Dynamics Discussions*. doi:10.5194/esd-2016-52.
- (DJ1) Panagea I.S., **Daliakopoulos I.N.**, Tsanis, I.K., Schwilch, G., 2015. Evaluation of soil salinity amelioration technologies in Timpaki, Crete. *Solid Earth Discussions*. 2015, Vol. 7 Issue 4, p2775-2805. doi:10.5194/sed-7-2775-2015.

Chapters in books

- (B04) **Daliakopoulos, I.N.**, 2021. "Precipitation Mapping and Spatial Analysis using R" in "Precipitation: Earth surface responses and processes", Editor: Rodrigo Comino, J., Elsevier, Netherlands, pp 173-192, <https://doi.org/10.1016/B978-0-12-822699-5.00008-2>
- (B03) Jahanddideh-Tehrani, M., Bozorg-Haddad, O., **Daliakopoulos, I.N.**, 2021. The Role of Water Information and Data Bases in Water Resources Management. In: Bozorg-Haddad, O. (eds) *Essential Tools for Water Resources Analysis, Planning, and Management*. Springer Water. Springer, Singapore. https://doi.org/10.1007/978-981-33-4295-8_3
- (B02) Falah, F., Rahmati, O., Rostami, M., Ahmadisharaf, E., **Daliakopoulos, I.N.**, Pourghasemi, H.R., 2018. "Artificial Neural Networks for Flood Susceptibility Mapping in Data-Scarce Urban Areas" in "Spatial Modeling in GIS and R for Earth and Environmental Sciences" pp. 323-336. Editors: Pourghasemi, H.R. and Gokceoglu, C. DOI: 10.1016/B978-0-12-815226-3.00014-4.
- (B01) Tsanis, I.K., **Daliakopoulos, I.N.**, Koutroulis, A., Karatzas, P., Varouchakis, E., Kourgialas, N., 2015. "Soil Salinization" in "Soil threats in Europe: Status, methods, drivers and effects on ecosystem services" Editors: Stolte, J., Tesfai, M., Øyrgarden, L., Kværnø, S., Keizer, J., Verheijen, F., Panagos, P., Ballabio, C., Hessel, R. EUR 27607 EN; doi:10.2788/488054 (print); doi:10.2788/828742 (online), Luxembourg

Conference Proceedings

- (C56) **Ioannis Daliakopoulos**, Aikaterini Katrini, Nikos Papastefanakis, Manolis Dialynas and Thrassyvoulos Manios, 2021. Modelling In-vessel Composting Under Difference Bulking Agents. RETASTE Conference Abstracts Vol. 1 RETASTE-FWS-167 Athens, Greece, 6-8 May, 2021
- (C55) N. Papastefanakis, A. E. Maragkaki, **I.N. Daliakopoulos**, M. Fountoulakis, N. Zotos, C. Tsompanidis and T. Manios, 2021. Solar Drying Method as a Pre-Treatment: Investigation of Biogas Production with Solar Dried Mixtures of Agricultural and Organic Residues. RETASTE Conference Abstracts Vol. 1 RETASTE-W2E-181 Athens, Greece, 6-8 May, 2021
- (C54) T. Ioannou, A. Katsigianni, K. Bazigou, M. Fotiadis, C. Chroni, T. Manios, **I. Daliakopoulos**, C. Tsompanidis, E. Michalodimitraki and K. Lasaridi, 2021. The

- "A2UFood Training Kit": A Path to Food Wastage Reduction. RETASTE Conference Abstracts Vol. 1 RETASTE-AWP-162 Athens, Greece, 6-8 May, 2021
- (C53) Spyros Panagiotakis, George Loukas, Zacharias Kamarianakis, **Ioannis N. Daliakopoulos**, Katerina Katrini, Manolis Dialynas and Thrassyvoulos Manios, 2021. Remote Monitoring and Management of In-vessel Composting. RETASTE Conference Abstracts Vol. 1 RETASTE-TFM-166 Athens, Greece, 6-8 May, 2021
- (C52) George Mastorakis, Ioannis Kopanakis, John Makridis, Christina Chroni, **Ioannis Daliakopoulos**, Katia Lasaridi and Thrassyvoulos Manios, 2021. Managing Household Food Waste with the FoodSaveShare Mobile App, RETASTE Conference Abstracts Vol. 1 RETASTE-TFM-165 Athens, Greece, 6-8 May, 2021.
- (C51) Alexis Theodorou, Maria Chrissie Isabella Baltzaki, **Ioannis N. Daliakopoulos**, Christos Tsompanidis, Thrassyvoulos Manios, Katerina Katrini, Angeliki Maragkaki and Kelly Velonia, 2021. Production of Biodegradable Polymers from Food Waste. RETASTE Conference Abstracts, Vol. 1 RETASTE-UTL-52, Athens, Greece, 6-8 May, 2021.
- (C50) **Daliakopoulos, I.N.**, Papadimitriou, D., Manios, T., 2021. Improving the efficiency of HYPROP by controlling temperature and air flow, EGU General Assembly 2021, EGU21-13082, Vienna, 19–30 April 2021. DOI: 10.5194/egusphere-egu21-13082
- (C49) Papadimitriou, D., **Daliakopoulos, I.**, Manios, T., Savvas, D., 2021. Salinity tolerance in *Scolymus hispanicus* L: preliminary findings from a soilless cultivation. EGU General Assembly 2021, EGU21-15362-4, Vienna, 19–30 April 2021. DOI: 10.5194/egusphere-egu21-14357
- (C48) Fidani, S., **Daliakopoulos, I.N.**, Manios, T., Grillakis, M., Charalampopoulou, V., Nektarios, P., 2021. Evaluating the Effect of Green Infrastructure in Mitigating the Urban Heat Island Effect Using Remote Sensing. EGU General Assembly 2021, EGU21-15362, Vienna, 19–30 April 2021. DOI: 10.5194/egusphere-egu21-15362
- (C47) **Daliakopoulos, I.N.**, Daskalakis, G., Markakis, N., Paparastefanakis, N., Manios, T., 2019. Automatic Monitoring of a Community Backyard Composting Program. TerraEnVision 2019 Conference, Barcelona, Spain, 2-6 September, 2019.
- (C46) **Daliakopoulos, I.N.**, Papadimitriou, D.M, Matsoukas, T., Zotos, N., Moysiadis, T., Anastasopoulos, K., Mavrogiannis, I., Manios, T., 2019. Development and Preliminary Results from the Testbed Infrastructure of the DRIP Project. TerraEnVision 2019 Conference, Barcelona, Spain, 2-6 September, 2019.
- (C45) Papadimitriou, D.M., Kontaxakis, E., **Daliakopoulos, I.N.**, Manios, T., Savvas, D., 2019. Effect of N:K Ratio and Electrical Conductivity of Nutrient Solution on Growth and Yield of Hydroponically Grown Golden Thistle (*Scolymus hispanicus* L.). TerraEnVision 2019 Conference, Barcelona, Spain, 2-6 September, 2019.
- (C44) Chroni, C., Lasaridi, K., Stylianidis, N., Velonia, K., Manios, T., **Daliakopoulos, I.N.**, Tsompanidis, C., Hafner, G., Skarvelakis M., Drosou., R., 2019. The A2UFood Project – Avoidable and Unavoidable Food Wastes: A Holistic Managing Approach for Urban

- Environments. TerraEnVision 2019 Conference, Barcelona, Spain, 2-6 September, 2019.
- (C43) Christoforidi, I., Kollaros, D., **Daliakopoulos, I.N.**, 2019. Soil Moisture and Temperature Induced Facilitation of Urban Endogean Fauna in Two Shrub Hedges. TerraEnVision 2019 Conference, Barcelona, Spain, 2-6 September, 2019.
- (C42) **Daliakopoulos, I.N.**, Panagea, I., Brocca, L., van den Elsen, E., 2019. Soil Water Balance and Vegetation Dynamics in a Semi-arid Mediterranean Ecosystem. TerraEnVision 2019 Conference, Barcelona, Spain, 2-6 September, 2019.
- (C41) Fotopoulou A., Telemeni P., Volakakis N., **Daliakopoulos I.N.**, Kollaros D. and Kabourakis E. 2019. First data on Endogaeal fauna of olive orchards in Crete, Greece. 14th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions (ICZEGAR), 27 – 30 June 2019, Thessaloniki, Greece.
- (C40) Telemeni, P., Fotopoulou, A., Daskalakis, G., **Daliakopoulos, I.N.**, Manios, T., and Kollaros, D., 2019. Collembola, Acari, and Other Endogaeal Fauna Presence in Three Different Composts. 14th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions (ICZEGAR), 27 – 30 June 2019, Thessaloniki, Greece
- (C39) Telemeni, P., Fotopoulou, A., Christoforidi, I., **Daliakopoulos, I.N.**, and Kollaros, D., 2019. Comparison of Urban Endogaeal Facilitation by Two Shrub Hedges in Crete, Greece. 14th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions (ICZEGAR), 27 – 30 June 2019, Thessaloniki, Greece
- (C38) Fuchs, P, Hadlaczky, S, Hafner, G., **Daliakopoulos, I.N.**, Manios, T., Kranert, M., 2019. Food waste management in the Mediterranean hospitality sector-pilot study in Heraklion, Greece. European Biomass Conference and Exhibition Proceedings 2019, Pages 148-151, 27th European Biomass Conference and Exhibition, EUBCE 2019; Lisbon; Portugal; 27 May 2019 through 30 May 2019; Code 228929
- (C37) Alexakis D.D., Mexis, F-D.K., Vozinaki A-E.K., **Daliakopoulos, I.N.**, Tsanis, I.K., Estimating Soil Moisture Content with means of Earth Observation and Artificial Neural Networks. TerraEnVision Conference, Barcelona, Spain, January 29 – February 2, 2018.
- (C36) Alexakis, D.D., **Daliakopoulos, I.N.**, and Tsanis, I.K., 2018. Monitoring soil erosion with means of sediment fences and Earth Observation in Crete, Greece, Geophysical Research Abstracts, Vol. 20, EGU2018-10668, Vienna, Austria, 9–13 April 2018
- (C35) Stavrou, N., Makaroglou, G., **Daliakopoulos, I.N.**, and Tsanis, I.K., 2018. Chlorophyll Response to Salinity Stress in Tomato Plants, Geophysical Research Abstracts, Vol. 20, EGU2018-16370-1, Vienna, Austria, 9–13 April 2018
- (C34) Alexakis D.D., Mexis, F-D.K., Vozinaki A-E.K., **Daliakopoulos, I.N.**, Tsanis, I.K., Estimating Soil Moisture Content with means of Earth Observation and Artificial Neural Networks. TerraEnVision Conference, Barcelona, Spain, January 29 - February 2, 2018.

- (C33) **Daliakopoulos, I.N.**, Soil Moisture Variability as a Driver of Vegetation Dynamics in the Mediterranean Rangelands. TerraEnVision Conference, Barcelona, Spain, January 29 - February 2, 2018.
- (C32) Petousi, I., **Daliakopoulos, I.N.**, Matsoukas, T., Zotos, N., Mavrogiannis, I., Manios., T. 2018. DRIP: Development of an Advanced Precision Drip Irrigation System for Tree Crops. TerraEnVision Conference, Barcelona, Spain, January 29 - February 2, 2018.
- (C31) Erik van den Elsen, Rudi Hessel, Ioannis Tsanis, **Ioannis Daliakopoulos**, Peter de Ruiter, Angeles Garcia Major, Susana Bautista, Alejandro Valdecantos, Ramon Vallejo, Sonia Kefi, Gudrun Schwilch, Luuk Fleskens, Lindsay Stringer, Nicky Geeson, 2017. The CASCADE Project - Understanding and Prevention of Sudden Ecosystem Shifts in Mediterranean Drylands. Second Circular Wageningen Soil Conference, 27-31/8, Wageningen, The Netherlands (to appear).
- (C30) **Daliakopoulos, I.N.** and Tsanis, I.K., 2017. "Assessing the Influence of Precipitation Variability on the Vegetation Dynamics of the Mediterranean Rangelands using NDVI and Machine Learning", Geophysical Research Abstracts, Vol. 19, EGU2017-15605, Vienna, Austria, 23–28 April 2017
- (C29) Apostolakis, A., **Daliakopoulos, I.N.** and Tsanis, I.K., 2017. "Effectiveness of T. harzianum and Humate Amendment in Soil Salinity Restoration", Geophysical Research Abstracts, Vol. 19, EGU2017-15797, Vienna, Austria, 23–28 April 2017
- (C28) Mayor, A.G., Morcillo, L., de Ruiter, P., Keizer, J., Valdecantos, A., Quaranta, G., **Daliakopoulos, I.N.**, Christoforou, M., 2016. Rainfall-exclusion experiments: to roof or not to roof controls? 4th International BioHydrology Conference, 13-16 September, Almeria, Spain.
- (C27) **Daliakopoulos, I.N.**, Quinn, C.H., Tsanis, I.K., 2016. Bayesian Belief Network Analysis of Soil Salinisation Management Strategies. 158th EAAE International Seminar "Euro-Mediterranean Cooperation in Sustainable Agriculture and Food Security: Policies, Sustainability, Marketing and Trade", 8-9 September, Chania, Greece.
- (C26) Apostolakis, A., Koutskoudis, D., Deligianni, A., Nevrás, C., Wagner, K., **Daliakopoulos, I.N.**, Stamatakis, A., Tsanis, I.K., 2016. Effect of Saline Water Drip Irrigation on Tomato Yield and Quality Characteristics under Mediterranean Greenhouse Conditions. 158th EAAE International Seminar "Euro-Mediterranean Cooperation in Sustainable Agriculture and Food Security: Policies, Sustainability, Marketing and Trade", 8-9 September, Chania, Greece
- (C25) Apostolakis, A., Wagner, K., **Daliakopoulos, I.N.**, Tsanis, I.K., 2016. Greenhouse Soil Moisture Deficit under Saline Irrigation and Climate Change. 2nd EWaS International Conference, June 1-4, Chania, Greece
- (C24) Alexakis, D.D., **Daliakopoulos, I.N.**, Panagea, I.S., Tsanis, I.K., 2016. Assessing Soil Salinity with the use of WorldView-2 Hyperspectral Images in Timpaki, Crete. Geophysical Research Abstracts, Vol. 18, EGU2016-15418.

- (C23) Mexis, P.D., Alexakis, D.D., **Daliakopoulos I.N.**, Tsanis, I.K., 2016. Using Sentinel-1 and Landsat 8 satellite images to estimate surface soil moisture. An Artificial Neural Network approach. Geophysical Research Abstracts, Vol. 18, EGU2016-13782.
- (C22) **Daliakopoulos, I.N.**, Wagner, K., Grillakis, G.M., Apostolakis, A., Tsanis, I.K., 2016. An Open-source Low-cost Portable Apparatus for Soil Fauna Sampling. Geophysical Research Abstracts, Vol. 18, EGU2016-16745-2.
- (C21) Wagner, K., Apostolakis, A., **Daliakopoulos, I.N.**, Tsanis, I.K., 2016. Can Tomato Inoculation with Trichoderma Compensate Yield and Soil Health Deficiency due to Soil Salinity? Geophysical Research Abstracts, Vol. 18, EGU2016-1007.
- (C20) **Daliakopoulos I.N.**, Grillakis, E.G., Tsanis, I.K., 2015. Observed and Projected Aridity Trends in the CASCADE Project Mediterranean Drylands. Geophysical Research Abstracts, Vol. 17, EGU2015-10497.
- (C19) Pappa P., **Daliakopoulos I.N.**, Tsanis, I.K., Varouchakis E.A., 2015. Impact Assessment of Salinization Affected Soil on Greenhouse Crops using SALTMED. Geophysical Research Abstracts, Vol. 17, EGU2015-950.
- (C18) Panagea I.S., **Daliakopoulos I.N.**, Tsanis, I.K., Schwilch, G., 2015. Evaluation of Soil Salinity Amelioration Technologies in Timpaki, Crete. Geophysical Research Abstracts, Vol. 17, EGU2015-533.
- (C17) **Daliakopoulos, I.N.** and Tsanis I.K., 2014. Comparison of SIFT and SURF based DEM extraction approaches on a GEOEYE-1 satellite stereo-pair. Geophysical Research Abstracts, Vol. 16, EGU2014-14598.
- (C16) Chochlidakis, C., **Daliakopoulos, I.N.**, Tsanis I.K., 2014. Comparison of a Neural Network and a Conceptual Model for Rainfall-Runoff Modelling with Monthly Input. Geophysical Research Abstracts, Vol. 16, EGU2014-3905.
- (C15) Tsanis I.K. and **Daliakopoulos, I.N.**, 2013. Assessment of a SIFT-based DEM extraction approach using GEOEYE-1 satellite stereo-pairs in flood mapping of an ungauged basin. Qatar Foundation Annual Research Forum Proceedings: Vol. 2013, EEP 020.
- (C14) **Daliakopoulos, I.N.** and Tsanis I.K., 2013. Catastrophic Shifts in Mismanaged Grazing Systems under a Changing Climate. 133rd EAAE Seminar, MAICH, Chania, Greece.
- (C13) **Daliakopoulos, I.N.** and Tsanis I.K., 2013. GEOEYE-1 Satellite Stereo-Pair DEM Extraction Using Scale-Invariant Feature Transform on a Parallel Processing Platform. Geophysical Research Abstracts, Vol. 15, EGU2013-4482, 2013.
- (C12) **Daliakopoulos, I.N.** and Tsanis I.K., 2012. Reducing weather radar measurement uncertainty with the use of digital data filtering. ERAD 2012, Toulouse France
- (C11) **Daliakopoulos, I.N.** and Tsanis I.K., Uncertainty in precipitation field estimations from radar and raingauge measurements. Geophysical Research Abstracts, Vol. 13, EGU2011-5817, 2011.

- (C10) Tsanis I.K., **I.N. Daliakopoulos**, K.G. Seiradakis, Koutroulis A.G., Improving flood risk assessment using a satellite stereo-pair high resolution DEM. EGU2011-5905. NH1.2/AS4.7/HS12.6. Hydrometeorological modeling and Earth observations under extremes: issues of scale, dependence and robust frameworks for collective risk assessment.
- (C09) Tsanis, I.K., **Daliakopoulos, I.N.**, Koutroulis, A.G., Jacob, D., 2010. Future Trends of Water Availability in the Island of Crete. Geophysical Research Abstracts, Vol. 12, EGU2010-9488
- (C08) Tsanis, I.K., Koutroulis, A.G., **Daliakopoulos, I.N.**, Grillakis, E.G., 2010. Studying the hydro-meteorological extremes. The benefits from the European Flash Flood research oriented HYDRATE project. Geophysical Research Abstracts, Vol. 12, EGU2010-8744
- (C07) **Daliakopoulos, I.N.**, Tsanis, I.K., 2010. Radar data pre-processing for reliable rain field estimation. Geophysical Research Abstracts, Vol. 12, EGU2010-10365
- (C06) Papastefanakis, N.M., Tsanis, I.K., **Daliakopoulos, I.N.**, 2009. Post event flash flood analysis in ungauged watersheds. Geophysical Research Abstracts, Vol. 11, EGU2009-5111-1, 2009
- (C05) Tsanis, I.K., **Daliakopoulos, I.N.**, Koutroulis, A.G., 2008. Flash flood reconstruction in an ungauged watershed: the case of Almyrida basin, Crete, Greece. Floodrisk, Oxford, UK
- (C04) L. Marchi, E. Gaume, V. Bain, M. Sangati, A. Bateman, L. Bonnifait, M. Borga, B. Boudevillain, F. Comiti, V. Craciunescu, **I. Daliakopoulos**, G. Delrieu, A. Gobbi, O. Horvat, L. Mao, V. Medina, L. Picco, J. Podolinska, N. Pogačnik, E. Preciso, K. Seiradakis, G. Stancalie, 2008. Methods of Post Flood Field Investigation: Lessons learned from trial on Selščica Sora River, Slovenia. Oral presentation at the European Geophysical Union 2008 General Assembly, Vienna, Austria.
- (C03) Tsanis, I.K., Koutroulis, A.G., **Daliakopoulos, I.N.**, Michaelides, S., 2008. Storm analysis and precipitation distribution of the flash flood in Almyrida basin, Crete. Geophysical Research Abstracts, Vol. 10, EGU2008-A-09498
- (C02) **Daliakopoulos, I.N.**, Koutroulis, A.G., Tsanis, I.K., 2006. Uncertainty assessment in historical precipitation time series. Vol. 8, EGU06-A-03034.
- (C01) **Daliakopoulos, I.N.**, Coulibaly, P., Tsanis, I.K., 2004. Groundwater Level Forecasting Using Artificial Neural Networks. Poster presentation in the American Geophysical Union 2004 Joint Assembly, Montreal, Canada.

EDITORSHIPS

Guest Editor:

Special Issue “Fire in the Earth System: Humans and Nature” in Land (Impact Factor 2.429)

Virtual Special Issue “TERRAenVISION 2018: Science for Society. Environmental issues today” in Science or the Total Environment (Impact Factor 5.589)

Editor:

Cogent Environmental Science

Land (Impact Factor 2.429)

Review Editor: Section Hydrosphere of Frontiers in Earth Science and Frontiers in Built Environment; Section Environmental Informatics of Frontiers in Ecology and Evolution, Earth Science, Environmental Science, Marine Science, Applied Mathematics and Statistics and ICT.

Ad hoc Reviewer: Performed 30 reviews for journals including Land Degradation and Development, The Science of the Total Environment, IEEE Transactions on Knowledge and Data Engineering, Journal of Hydrology, Water Resources Management, Pedosphere, Journal of Hydroinformatics, Journal of Hydro-Environment Research, International Journal of Remote Sensing, Geocarto International and PeerJ; placing in the 92nd percentile for verified review contributions on Publons (publons.com/a/463160/).

CONFERENCE ORGANISATION

Conference Organiser: “RETASTE: Rethink Food Waste” Heraklion, Greece, 20-21 October, 2022.

Conference Organiser: “TERRAenVISION” Utrecht, The Netherlands, 27 June-2 July, 2022.

Conference Organiser: “1st International Congress on Fire in the Earth System: Humans and Nature”, Valencia, Spain, 3-6 November, 2021.

Conference Organiser: “RETASTE: Rethink Food Waste” Athens, Greece, 6-8 May, 2021.

Conference Organiser: “TERRAenVISION” Barcelona, Spain, 3-6 September, 2019.

Convener: Section “WR2: Data-mining and methods for modeling and assessing state and fate of soil water” στα πλαίσια του συνεδρίου “TERRAenVISION” Barcelona, Spain, January 29 - February 2, 2018.

THESIS SUPERVISIONS

Master Thesis Supervision

(MA2) Λαζαράκης, Γ, Δαλιακόπουλος, Ι., 2020. Χρήση Λυσίμετρων για τον Ακριβή Προσδιορισμό της Πραγματικής εξατμισοδιαπνοής Καλλιέργειας και της Κίνησης του Εδαφικού Ύδατος. Ελληνικό Μεσογειακό Πανεπιστήμιο.

(MA1) Μρουνάκης, Ι, Δαλιακόπουλος, Ι., 2020. Design of Extreme Events Early Warning and Mitigation System with the Use of Unmanned Aerial Vehicles and Meteorological Radars. Ελληνικό Μεσογειακό Πανεπιστήμιο.

Member of Master Thesis committee

- (MT2) Μαράκης, Ι., Αλλυσανδράκης, Ε., 2020. «Βιοκαπνισμός, μια Σύγχρονη Μη-χημική Προσέγγιση για τον Έλεγχο Εδαφογενών Φυτοπαρασίτων», Ελληνικό Μεσογειακό Πανεπιστήμιο.
- (MT2) Χαιρέτη, Κ., Μανιός, Θ., 2019. «Αποτύπωση και Ανάλυση της Άποψης των Δημοτών του Ηρακλείου Σχετικά με την Ολοκληρωμένη Διαχείριση Αποβλήτων », Ελληνικό Μεσογειακό Πανεπιστήμιο.
- (MT2) Τετριμέλη, Χ., 2018. «Αξιοποίηση αιθέριων ελαίων στη συντήρηση νωπών γεωργικών προϊόντων», Ελληνικό Μεσογειακό Πανεπιστήμιο.
- (MT1) Tsoni, A., Manios, T., 2018. Design and operation of source-separation system for food waste from hospitality services, Technological Educational Institute of Crete, Greece.

Member of Undergraduate Diploma Thesis committee

- (UC6) Makaroglou, G., Tsanis, I.K, 2018. Mitigation of soil salinity using biological soil amendments under greenhouse conditions, Technical University of Crete, Greece.
- (UC5) Stavrou, N., Tsanis, I.K, 2018. Effect of soil salinity on chlorophyll content of tomato plants with biological methods. Technical University of Crete, Greece.
- (UC4) Nevras, N., Tsanis, I.K, 2018. Cost-benefit analysis of a rainwater harvesting investment for greenhouse irrigation. Technical University of Crete, Greece.
- (UC3) Koutskoudis, D., Tsanis, I.K, 2016. Monitoring of yield and quality in a greenhouse tomato crop under the effect of saline irrigation and *T. harzianum*, Technical University of Crete, Greece.
- (UC2) Deligianni, A., Tsanis, I.K, 2016. Effect of saline irrigation and *T. harzianum* in soil quality characteristics of a greenhouse crop, Technical University of Crete, Greece.
- (UC1) Wagner, K., Tsanis, I.K, 2016. Installation of experimental greenhouse tomato crop and assessment of the effect of symbiotic fungus *T. harzianum* under salinity, Technical University of Crete, Greece.

Master Students (co-supervision)

- (M04) Apostolakis, A., Tsanis, I.K, 2017. Simulation of Greenhouse Tomato Crop using SALTMED: Scenarios of Irrigation Quality and Climate Change, Technical University of Crete, Greece.
- (M03) Panagea, I., Tsanis, I.K, 2016. Impact of drought in the Mediterranean pasturelands under climate change, Technical University of Crete, Greece.
- (M02) Pappa, P., Tsanis, I.K, 2015. Irrigation assessment of saline soil greenhouse cultivation, Technical University of Crete, Greece.
- (M01) Grillakis E.G, Tsanis, I.K, 2006. Using remote sensing and development of algorithms for hydrological purposes, Technical University of Crete, Greece.

Undergraduate Students (co-supervision)

- (U06) Chochlidakis, C., Tsanis, I.K, 2014. Comparison of Neural Network and conceptual rainfall-runoff models on a monthly basis in the region of Crete, Technical University of Crete, Greece.
- (U05) Falegkas C., Tsanis, I.K, 2014 Using meteorological radar rainfall in short-term forecasting, Technical University of Crete, Greece.
- (U04) Papantou D., Tsanis, I.K, 2011. Spatio-temporal analysis of drought in Greece, Technical University of Crete, Greece.
- (U03) Tsitsilonis S.K., Tsanis, I.K, 2006. Analysis of the water balance of the basin Keritis with modern study of surface and subsurface runoff, Technical University of Crete, Greece.
- (U02) Athanasakis E., Tsanis, I.K, 2006. Determination of land use on river basin Keritis using GPS technology and satellite imagery, Technical University of Crete, Greece.
- (U01) Grillakis E.G., Tsanis, I.K., 2007. Design and simulation of runoff of river basin Keritis using field data, Technical University of Crete, Greece.

PROFESSIONAL EXPERIENCE

- (PC7) Consulting contracts for the development of tailor made software development services
- (PC6) Consulting contract with Landco S.A. for the R&D project “DRIP: Development of an Advanced Precision Drip Irrigation System for Tree Crops” (8/2018 – 4/2021)
- (PC5) Consulting contract with Plasis S.A. for the R&D project “SolarGas; Solar Drying as an Economic and Environmental Tool Optimization of Anaerobic Digestion Units Residues” (5/2018 – 4/2021)
- (PC4) Consulting contract with Dialynas S.A. for the R&D project “ACU – Autonomous Composting Units” (5/2018 – 4/2021)
- (PC3) Consulting contract with Dialynas S.A. for the R&D project “Developing a low-cost central home composting unit for apartment buildings and small/medium size hotels” (10/2012 – 9/2014)
- (PC2) Consulting contract with the Municipal Corporation of the Municipality of Mousouron Chania for the installation of photovoltaic panels yielding a total of 620 KW (5/2008)
- (PC1) Consulting contract with NOISIS Development Consultants for the environmental assessment of further developing two Greek Olympic Properties (Weightlifting and Equestrian Stadium) (4/2005)

GRANTS

- (G3) Elected candidate for teaching the 4th year course “Water Resources Management” at the School of Environmental Engineering, Technical University of Crete under the EU-Greece co-funded action “Acquiring Academic Teaching Experience in New Scientists Holding Ph.D.”, Crete, Greece, 2017-2018.

- (G2) European Cooperation in Science and Technology (COST) ES1306: Connecting European Connectivity Research. COST Local Organizer Support (LOS) Grant for organizing a partner meeting under the title “The Hydrological and Erosional Cycles in Karstic Terrains” in Chania, Greece, 14-17 March 2018.
- (G1) European Cooperation in Science and Technology (COST) ES1104: Arid Lands Restoration and Combat of Desertification: Setting Up a Drylands and Desert Restoration Hub. Short-term scientific missions (STSM) Grant, Bern, 21-27 April 2013.

HONORS

- J01 and J03 have received enough citations to place them in the 99th percentile of the academic field of Environmental Science articles of the same age and document type (Source: Scopus).
- J06 is cited in the Intergovernmental Panel on Climate Change (IPCC) Report Climate Change 2014: Impacts, Adaptation and Vulnerability Part B: Regional Aspects – Europe.

MEMBERSHIPS

- 2019-today: Member of the Management Committee and Science Communication Manager for FIRElinks COST Action CA18135
- Member of the Technical Chamber of Greece (TCG)
- European Geosciences Union (EGU)

LANGUAGE SKILLS

- English: Certificate of Proficiency in English, Cambridge University.
- English: Certificate of Proficiency in English, Translation from & into Greek, Cambridge University.
- French: Delf 1, Athens French Institute
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