

• PERSONAL INFORMATION

Family name, First name: **DESTOUNI, GEORGIA (Gia)**

Researcher unique identifier: ORCID 0000-0001-9408-4425

Date of birth: January 26, 1961

Birth place: Ioannina, Greece

Nationality: Sweden

URL for web sites: <https://www.su.se/english/profiles/gdest>; <https://www.kth.se/profile/gia?l=en>

• EDUCATION

- 1993 **Docent** in Engineering Hydrology, Faculty/School of Civil Engineering, Dept. of Water Resources Engineering, KTH Royal Institute of Technology (KTH), Sweden
- 1991, Oct 10 **PhD** in Hydraulics Engineering, Faculty/School of Civil Engineering, Dept. of Hydraulics Engineering, KTH, Sweden
- 1987 **MSc** in Civil Engineering, Faculty/School of Civil Engineering, KTH, Sweden

• CURRENT POSITIONS

- 2005– **Professor** of Hydrology, Hydrogeology and Water Resources, Dept. of Physical Geography, Stockholm University (SU), Sweden – georgia.destouni@natgeo.su.se
- 2024– **Guest Professor** of Engineering Hydrology, Dept. of Sustainable Development, Environmental Science and Engineering, KTH Royal Institute of Technology (KTH), Stockholm, Sweden, since July 2023 – gia@kth.se

• PREVIOUS POSITIONS

- 2016 – 2022 **Head of Dept.** of Physical Geography, Faculty of Science, SU, Sweden
- 2013 – 2016 **Secretary General** of The Swedish Research Council Formas, Sweden
- 2015 – 2016 **Head of Research Unit** for Hydrology, Water Resources and Permafrost, Dept. of Physical Geography, Faculty of Science, SU, Sweden
- 2003 – 2005 **Guest Professor**, Dept. of Physical Geography, Faculty of Science, SU, Sweden
- 2001 – 2002 **Vice Head of Dept.** of Land and Water Resources Engineering, KTH, Sweden
- 1999 – 2005 **Professor**, Dept. of Land and Water Resources Engineering, School of Architecture and the Built Environment, KTH, Sweden
- 1998 – 1999 **Associate Professor**, Dept. of Land and Water Resources Engineering, KTH, Sweden
- 1994 **Visiting Scientist**, Dept. of Agricultural and Biological Engineering, University of Florida, Gainesville, USA
- 1992 – 1998 **Senior Research Fellow**, Swedish Natural Science Research Council, Sweden

• HONORS AND AWARDS – Life-time and recent examples

- 2024 **International member** of the US National Academy of Engineering
- 2024 **Corresponding member** (for Greek scientists residing abroad) of the Academy of Athens, Greece
- 2024 **Fellow** of the Stellenbosch Institute of Advanced Study (STIAS), South Africa
- 2023 **Opening Lecturer** at the University of Padova 800-year celebration symposium “AQVA– Our water – our world – our life”, February 7, Italy
- 2022 **H.M. The King's Medal** for “*outstanding contributions in water and climate research*”, Sweden
- 2022 **Celcius-Linnaeus Symposium Lecturer**, Uppsala University, Sweden
- 2021 **Distinguished Lecturer** of The Global Institute for Water Security and Global Water Futures, University of Saskatchewan, Canada
- 2020 **Sigge Thernwall Grand Prize** for Research on Sustainable Infrastructure and Built Environment, Sweden
- 2019 **Boussinesq Lecturer** of the Dutch-Belgian Boussinesq Center for Hydrology, The Netherlands
- 2015 **Fellow** of the American Geophysical Union (AGU), USA and global
- 2013 **Henry Darcy Medal** of the European Geosciences Union (EGU), Europe and global

- 2013 **Research and Development Award** of Nova Centre for University Studies, Oskarshamn, Sweden
 2003 **Academy Member** of the Royal Swedish Academy of Sciences, Sweden
 2003 **Academy Member** of the Royal Swedish Academy of Engineering Sciences, Sweden

• **COMMISSIONS OF TRUST, INSTITUTIONAL RESPONSIBILITIES - Recent examples**

International

- 2023-24 Evaluation Committee Member for The Domain Science (ENW)-XL Grant consortia call of the Dutch Research Council (NWO)
 2023 Evaluation Panel Member for the Catalan Institution for Research and Advanced Studies (ICREA)
 2022 – Member of the Baltic Earth Science Steering Group
 2021 – Editor In Chief of *Water Resources Research*, AGU
 2019 – 2021 Member of the Union Fellows Committee of AGU
 2015 – 2019 Vice President of the International Association for Hydrological Sciences
 2014 – 2019 Evaluation Panel Member of the European Research Council
 2016 – 2018 Member of the Scientific Advisory Committee of Science Europe
 2010 – 2022 Steering Committee Member of Navarino Environmental Observatory, Messinia, Greece

National

- 2021 – 2022 Member of the Board of Tarfala Research Station, Stockholm University
 2016 – 2022 Member of the Board of Bolin Centre for Climate Research, Stockholm University
 2016 – 2021 Member of the Board of Stockholm Resilience Centre, Stockholm University
 2010 – 2016 Member of the Board of the Royal Swedish Academy of Sciences
 2014, 2010 Chair of the Prize Committee for the International Crafoord Prize in Geosciences (also member of the committee in 2006)

Societal engagement

- 2022 – Member of the Environment and Energy Committee of the Royal Swedish Academy of Sciences
 2019 – Member of the Council of Trustees of WWF Sweden
 2020 – 2022 Member of the Steering Committee for the societal engagement project "Sustainable water supply" and Chair of its theme "Climate change impacts" at IVA
 2014 – 2020 Member of the Scientific Council of the Swedish Meteorological and Hydrological Institute
 2015 – 2016 Member of Scientific Council for Sustainable Development commissioned by the Swedish Government

• **SUPERVISION OF PhD STUDENTS AND POSTDOCS**

Main advisor of **24 PhD students** (18 completed, 2 currently ongoing), and **18 postdoctoral fellows** (16 completed, 2 new/incoming); **co-adviser** of several more PhD students and postdocs.

Many of the early career scientists I have supervised and mentored have gained top positions as full, associate and tenure-track professors at universities, and as senior ministry advisers, research leaders, senior and junior researchers, or analysts at research institutes and other knowledge-based organizations and private companies in Sweden and other parts of the world.

• **RESEARCH INTERESTS AND EXPERTISE**

Water resource availability, quality, and security, hydroclimatic states and changes, diffuse water pollution, and the interactions and shifts of water quantity and quality with climate change and various human activity developments, including urbanization, agricultural changes in rural areas, and engineered water regulation and use for food and energy supply.

Publication list - Georgia (Gia) Destouni

- 221 journal articles (1-221)
- 24 edited books and book chapters (222-245)
- 56 application reports²⁶²⁻³¹⁸, 15 open access databases²⁴⁷⁻²⁶¹, 1 dissertation²⁴⁶ (246-318)
- 137 outreach and engagement examples (319-455)

Journal articles

Usually, lead authors are the first 1-2 and senior author is the last in the author list.

2024

1. Lindberg, F., Lindström, A., Stålnacke, V., Thorsson, S., **Destouni, G.**, Observations and modelling of mosquito prevalence within urban areas – A case study from Uppsala, Sweden, *Urban Ecosystems*, 13 February, 2024. <https://doi.org/10.1007/s11252-024-01511-7>
2. Zarei M, **Destouni G**, Research Gaps and Priorities for Terrestrial Water and Earth System Connections from Catchment to Global Scale, *Earth's Future*, 12, e2023EF0037922023, 2024. <https://doi.org/10.1029/2023EF003792>

2023 – 9 papers

3. Islam, S., Illangasekare, T. H., Selker, J., **Destouni, G.**, Looking for theory-practice synthesis for actionable outcomes: A Continuing Special Collection for Translational Water Research. *Water Resources Research*, 59, e2023WR036728, 2023. <https://doi.org/10.1029/2023WR036728>
4. Panahi M, Khosravi K, Rezaie F, Ferreira CSS, **Destouni G**, Kalantari Z, National-Scale Spatial Flood Modeling with an Optimized Deep Learning Approach, *Earth's Future*, 11, e2023EF003749, 2023. <https://doi.org/10.1029/2023EF003749>
5. Foroumandi E, Moradkhani H, Sanchez-Vila X, Singha K, Castelletti A, **Destouni G**, ChatGPT in Hydrology and Earth Sciences: Opportunities, Prospects and Concerns, *Water Resources Research*, 59, e2023WR036288, 2023. <https://doi.org/10.1029/2023WR036288>
6. Althoff D., **Destouni G.**, Global patterns in water flux partitioning: Irrigated and rainfed agriculture drives asymmetrical flux to vegetation over runoff, *One Earth*, 6(9), 1246-1257, 2023. <https://doi.org/10.1016/j.oneear.2023.08.002> - Related preprint: Althoff D., **Destouni G.**, The global freshwater system: Patterns and predictability of green-blue water flux partitioning, *arXiv*, 2023. <https://arxiv.org/abs/2302.11245>
7. Li W., Reichstein M., O, S., May C., **Destouni G.**, Migliavacca M., Kraft B., Weber U., Orth R., Contrasting drought propagation into the terrestrial water cycle between dry and wet regions. *Earth's Future*, 11, e2022EF003441, 2023. <https://doi.org/10.1029/2022EF003441>
8. Ma Y, Kalantari Z, **Destouni G**, Infectious disease sensitivity to climate and other driver-pressure changes: Research effort and gaps for Lyme disease and cryptosporidiosis. *GeoHealth*, 7, e2022GH000760, 2023. <https://doi.org/10.1029/2022GH000760>
9. Cantoni J, Kalantari Z, **Destouni G**, Legacy contributions to diffuse water pollution: Data-driven multi-catchment quantification for nutrients and carbon, *Science of the Total Environment*, 879, 163092, 2023. <https://dx.doi.org/10.1016/j.scitotenv.2023.163092>
10. Kan J-C, Ferreira CSS, **Destouni G**, Haozhi P, Vieira Passos M, Barquet K, Kalantari Z, Predicting agricultural drought indicators: ML approaches across wide-ranging climate and land use conditions, *Ecological Indicators*, 154, 110524, 2023. <https://doi.org/10.1016/j.ecolind.2023.110524>
11. Hambäck, P.A., Dawson, L., Geranmayeh, P., Jarsjö, J., Kačergytė, I., Peacock, M., Collentine, D., **Destouni, G.**, Futter, M., Hugelius, G., Hedman, S., Jonsson, S., Klatt, B.K., Lindström, A., Nilsson, J.E., Pärt, T., Schneider, L.D., Strand, J.A., Urrutia-Cordero, P., Åhlén, D., Åhlén, I., Blicharska, M., Tradeoffs and synergies in wetland multifunctionality: A scaling issue, *Science of The Total Environment*, 862, 160746, 2023. <https://doi.org/10.1016/j.scitotenv.2022.160746>

2022 – 6 papers

12. Kåresdotter, E., **Destouni, G.**, Ghajarnia, N., Lammers, R. B., Kalantari, Z., Distinguishing direct human-driven effects on the global terrestrial water cycle. *Earth's Future*, 10, e2022EF002848, 2022. <https://doi.org/10.1029/2022EF002848>
- **Highlighted in** Sidik, S. M. (2022), How we're reshaping global water storage, *Eos*, 103, <https://doi.org/10.1029/2022EO220459>. Published on 21 September 2022.

13. Åhlén, I., Thorslund, J., Hambäck, P., **Destouni, G.**, Jarsjö, J., Wetland position in the landscape: Impact on water storage and flood buffering. *Ecohydrology*, 15, e2458, 2022. <https://doi.org/10.1002/eco.2458>
14. Moshir Panahi D, **Destouni G**, Kalantari Z, Zahabiyoun B, Distinction of driver contributions to wetland decline and their associated basin hydrology around Iran, *Journal of Hydrology: Regional Studies*, 42, 101126, 2022. <https://doi.org/10.1016/j.ejrh.2022.101126>
15. Vigouroux G, **Destouni G**, Gap identification in coastal eutrophication research – Scoping review for the Baltic system case, *Science of the Total Environment*, 839, 156240, 2022. <https://doi.org/10.1016/j.scitotenv.2022.156240>
16. Basu NB, Van Meter KJ, Byrnes DK, Brouwer R, Jacobsen BH, Jarsjö J, Rudolph DL, Cunha MC, Nelson N, Bhattacharya R, **Destouni G**, Olsen SB, Managing Nitrogen Legacies to Accelerate Water Quality Improvement, *Nature Geoscience*, 15, 97-105, 2022. <https://www.nature.com/articles/s41561-021-00889-9>
17. Ferreira CSS, Seifollahi-Aghmiuni S, **Destouni G**, Ghajarnia N, Kalantari Z, Soil degradation in the European Mediterranean region: Processes, status and consequences. *Science of the Total Environment*, 805, 150106, 2022. <https://doi.org/10.1016/j.scitotenv.2021.150106>

2021 – 19 papers

18. **Destouni G**, Cantoni J, Kalantari Z, Distinguishing active and legacy source contributions to stream water quality: Comparative quantification for chloride and metals, *Hydrological Processes*, 35, e14280, 2021. <https://doi.org/10.1002/hyp.14280>
19. Chen Y, **Destouni G**, Goldenberg R, Prieto C, Nutrient source attribution: Quantitative typology distinction of active and legacy source contributions to waterborne loads, *Hydrological Processes*, 35, e14284, 2021. <https://doi.org/10.1002/hyp.14284>
20. Albert JS, **Destouni G**, Duke-Sylvester SM, Magurran AE, Oberdorff T, Reis RE, Winemiller KO, Ripple WJ, Scientists' warning to humanity on the freshwater biodiversity crisis, *Ambio*, 50, 85-94, 2021. <https://doi.org/10.1007/s13280-020-01318-8>
21. Ghajarnia N, Kalantari Z, **Destouni G**, Data-Driven Worldwide Quantification of Large-Scale Hydroclimatic Covariation Patterns and Comparison with Reanalysis and Earth System Modeling, *Water Resources Research*, 57(10), e2020WR029377, 2021. <https://doi.org/10.1029/2020WR029377>
22. Goldenberg R, Kalantari Z, **Destouni G**, Comparative quantification of local climate regulation by green and blue urban areas in cities across Europe, *Scientific Reports*, 11:23872, 2021. <https://doi.org/10.1038/s41598-021-03140-y>
23. Ma Y, **Destouni G**, Kalantari Z, Omazic A, Evengård B, Berggren C, Thierfelder T, Linking climate and infectious disease trends in the Northern/Arctic Region, *Scientific Reports*, 11, 1–9, 2021. <https://www.nature.com/articles/s41598-021-00167-zc>
24. Kåresdotter E, **Destouni G**, Ghajarnia N, Hugelius G, Kalantari Z, Mapping the vulnerability of Arctic wetlands to global warming, *Earth's Future*, 9, e2020EF001858, 2021. <https://doi.org/10.1029/2020EF001858>
25. Darvishi M., **Destouni G.**, Aminjafari S., Jaramillo F., Multi-Sensor InSAR Assessment of Ground Deformations around Lake Mead and Its Relation to Water Level Changes, *Remote Sensing* 13, 406, 2021. <https://doi.org/10.3390/rs13030406>
26. Page J, Kåresdotter E, **Destouni G**, Pan H, Kalantari Z, A more complete accounting of greenhouse gas emissions and sequestration in urban landscapes, *Anthropocene*, 34, 100296, 2021. <https://doi.org/10.1016/j.ancene.2021.100296>
27. Kreplin HN, Ferreira CSS, **Destouni G**, Keestra SD, Salvati L, Kalantari Z, Arctic wetland system dynamics under climate warming, *WIREs Water*, 8, e1526, 2021. <https://doi.org/10.1002/wat2.1526>
28. Scaini A, Scaini C, Frentress J, **Destouni G**, Manzoni S, Linking the 2030 Agenda for Sustainable Development to Research, Newspapers, and Governance: The Case of the Last Free-Flowing Alpine River, *Frontiers in Environmental Science* 9, 553822, 2021. <https://doi.org/10.3389/fenvs.2021.553822>
29. Vigouroux G, Kari E, Beltrán-Abaunza JM, Uotila P, Yuan D, **Destouni G**, Trend correlations for coastal eutrophication and its main local and whole-sea drivers – Application to the Baltic Sea, *Science of the Total Environment*, 779, 146367, 2021. <https://doi.org/10.1016/j.scitotenv.2021.146367>
30. Tiller, R.G., **Destouni, G.**, Golumbeanu, M., Kalantari, Z., Kastanidi, E., Lazar, L., Lescot, J.M., Maneas, G., Martínez-López, J., Notebaert, B., Seifollahi-Aghmiuni, S., Timofte, F., de Vente, J., Vernier, F., de Kok, J.L., Understanding stakeholder synergies through system dynamics: Integrating multi-sectoral stakeholder narratives into quantitative environmental models. *J. Frontiers in Sustainability*, 2, 701180, 2021. <https://doi.org/10.3389/frsus.2021.701180>

31. Evengård B, **Destouni G**, Kalantari Z, Albiñá A, Björkman C, Bylund H, Jenkins E, Koch A, Kukarenko N, Leibovici D, Lemmityinen J, Menshakova M, Mulvad G, Nilsson LM, Omazic A, Pshenichnaya N, Quegan S, Rautio A, Revich B, Rydén P, Sjöstedt A, Tokarevich N, Thierfelder T, and Orlov D, Healthy ecosystems for human and animal health: Science diplomacy for responsible development in the Arctic, *Polar Record*, 57(e39): 1–7, 2021. <https://doi.org/10.1017/S0032247421000589>
32. Åhlén I., Vigouroux G., **Destouni G.**, Pietroni J., Ghajarnia N., Anaya J., Blanco J., Borja S., Chalov S., Chun K.P., Clerici N., Desormeaux A., Girard P., Gorelits O., Hansen A., Jaramillo F., Kalantari Z., Labbaci A., Licero-Villanueva L., Livsey J., Maneas G., McCurley Pisarello K.L., Moshir Pahani D., Palomino S.A., Price R., Ricaurte-Villota C., Ricaurte-Villota L., Rivera-Monroy V.H, Rodriguez A., Rodriguez E., Salgado J., Sannel B., Seifollahi-Aghmiuni S., Simard M., Sjöberg Y., Terskii P., Thorslund J., Zamora D.A., Jarsjö J., Hydro-climatic changes of wetlandscapes across the world, *Scientific Reports*, 11, 2754, 2021. <https://doi.org/10.1038/s41598-021-81137-3>
33. Porkka M, Wang-Erlandsson L, **Destouni G**, Ekman A, Rockström J, Gordon LJ, Is wetter better? Exploring agriculturally-relevant rainfall characteristics over four decades in the Sahel, *Environmental Research Letters*, 16, 035002, 2021. <https://doi.org/10.1088/1748-9326/abdd57>
34. Engström E.R., Collste D., Cornell S.E., Johnson F.E., Carlsen H., Jaramillo F., Finnveden G., **Destouni G.**, Howells M., Weitz N., Palm V., Fuso-Nerini F., Succeeding at home and abroad - Accounting for the international spillovers of cities' SDG actions, *npj Urban Sustainability*, 1, 18, 2021. <https://doi.org/10.1038/s42949-020-00002-w>
35. Filippelli, G., Beal, L., Rajaram, H., AghaKouchak, A., Balikhin, M. A., **Destouni, G.**, East, A., Faccenna, C., Florindo, F., Frost, C., Griffies, S., Huber, M., Lugaz, N., Manighetti, I., Montesi, L., Pirenne, B., Raymond, P., Salous, S., Schildgen, T., Trumbore, S., Wysession, M., Xenopoulos, M., Zhanget, M. (2021). Geoscientists, who have documented the rapid and accelerating climate crisis for decades, are now pleading for immediate collective action. *Geophysical Research Letters*, 48, e2021GL096644. <https://doi.org/10.1029/2021GL096644>
36. Nieves Fernandez-Anez, Andrey Krasovskiy, Mortimer Müller, Harald Vacik, Jan Baetens, Emira Hukić, Marijana Kapovic Solomun, Irena Atanassova, Maria Glushkova, Igor Bogunović, Hana Fajković, Hakan Djuma, George Boustras, Martin Adámek, Miloslav Devetter, Michaela Hrabalíková, Dalibor Huska, Petra Martínez Barroso, Magdalena Daria Vaverková, David Zúmr, Kalev Jõgiste, Marek Metslaid, Kajar Koster, Egle Köster, Jukka Pumpanen, Caius Ribeiro-Kumara, Simone Di Prima, Amandine Pastor, Cornelia Rumpel, Manuel Seeger, Ioannis Daliakopoulos, Evangelia Daskalakou, Aristeidis Koutroulis, Maria P. Papadopoulou, Kosmas Stampoulidis, Gavriil Xanthopoulos, Réka Aszalós, Deák Balázs, Miklós Kertész, Orsolya Valkó, David C. Finger, Throstur Thorsteinsson, Jessica Till, Sofia Bajocco, Antonio Gelsomino, Antonio Minervino Amodio, Agata Novara, Luca Salvati, Luciano Telesca, Nadia Ursino, Aris Jansons, Mara Kitenberga, Normunds Stivrins, Gediminas Brazaitis, Vitas Marozas, Olesea Cojocar, Iachim Gumeniuc, Victor Sfecla, Anton Imeson, Sander Veraverbeke, Ragni Fjellgaard Mikalsen, Eugeniusz Koda, Piotr Osinski, Ana C. Meira Castro, João Pedro Nunes, Duarte Oom, Diana Vieira, Teodor Rusu, Srđan Bojović, Dragana Djordjevic, Zorica Popovic, Milan Protic, Sanja Sakan, Jan Glasa, Danica Kacikova, Lubomir Lichner, Andrea Majlingova, Jaroslav Vido, Mateja Ferk, Jure Tižar, Matija Zorn, Vesna Zupanc, M. Belén Hinojosa, Heike Knicker, Manuel Esteban Lucas-Borja, Juli Pausas, Nuria Prat-Guitart, Xavier Ubeda, Lara Vilar, **Georgia Destouni**, Navid Ghajarnia, Zahra Kalantari, Samaneh Seifollahi-Aghmiuni, Turgay Dindaroglu, Tugrul Yakupoglu, Thomas Smith, Stefan Doerr, Artemi Cerda, Current Wildland Fire Patterns and Challenges in Europe: A Synthesis of National Perspectives, *Air, Soil and Water Research*, 14, 1–19, 2021. <https://doi.org/10.1177/11786221211028185>

2020 – 14 papers

37. Orth R, **Destouni G**, Jung M, Reichstein M, Large-scale biospheric drought response intensifies linearly with drought duration, *Biogeosciences*, 17, 2647–2656, 2020. <https://doi.org/10.5194/bg-17-2647-2020>
38. Borja S, Kalantari Z, **Destouni G**, Global wetting by seasonal surface water over the last decades, *Earth's Future*, 8, e2019EF001449, 2020. <https://doi.org/10.1029/2019EF001449>
39. Cantoni J, Kalantari Z, **Destouni G**, Watershed-Based Evaluation of Automatic Sensor Data: Water Quality and Hydroclimatic Relationships, *Sustainability*, 12, 396, 2020. <https://doi.org/10.3390/su12010396>
40. Kalantari Z, Ferreira CSS, Deal B, **Destouni G**, Nature-based solutions for meeting environmental and socio-economic challenges in land management and development, *Land Degradation & Development*, 31(15), 1867–1870, 2020. <https://onlinelibrary.wiley.com/doi/full/10.1002/ldr.3264>

41. Ghajarnia N, Kalantari Z, Orth R, **Destouni G**, Close co-variation between soil moisture and runoff emerging from multi-catchment data across Europe, *Scientific Reports*, 10, 4817, 2020. <https://doi.org/10.1038/s41598-020-61621-y>
42. Moshir Panahi D, Kalantari Z, Ghajarnia N, Seifollahi-Aghmiuni S, **Destouni G**, Variability and change in the hydro-climate and water resources of Iran over a recent 30-year period, *Scientific Reports*, 10, 7450, 2020. <https://www.nature.com/articles/s41598-020-64089-y>
43. Ma Y, Vigouroux G, Kalantari Z, Goldenberg R, **Destouni G**, Implications of Projected Hydroclimatic Change for Tularemia Outbreaks in High-Risk Areas across Sweden, *Int. J. Environ. Res. Public Health*, 17, 6786, 2020. <https://doi.org/10.3390/ijerph17186786>
44. Vigouroux G, Chen Y, Jönsson A, Cvetkovic V, **Destouni G**, Simulation of nutrient management and hydroclimatic effects on coastal water quality and ecological status - The Baltic Himmerfjärden Bay case, *Ocean & Coastal Management*, 198, 105360, 2020. <https://doi.org/10.1016/j.ocecoaman.2020.105360>
45. Pan H., Page J., Zhang L., Cong C., Ferreira C., Jonsson E., Näsström H., **Destouni G.**, Deal B., Kalantari Z., Understanding interactions between urban development policies and GHG emissions: A case study in Stockholm Region. *Ambio*, 49, 1313-1327, 2020. <https://link.springer.com/article/10.1007/s13280-019-01290-y>
46. Åhlén I, Hambäck P, Thorslund J, Frampton A, **Destouni G**, Jarsjö J, Wetlandscape size thresholds for ecosystem service delivery: Evidence from the Norrström drainage basin, Sweden, *Science of the Total Environment*, 704, 135452, 2020. <https://doi.org/10.1016/j.scitotenv.2019.135452>
47. Manzoni S, Maneas G, Scaini A, Psiloglou BE, **Destouni G**, Lyon SW, Understanding coastal wetland conditions and futures by closing their hydrologic balance: the case of the Gialova lagoon, Greece, *Hydrol. Earth Syst. Sci.*, 24, 3557–3571, 2020. <https://doi.org/10.5194/hess-24-3557-2020>
48. Page, J., Mörtberg, U., **Destouni, G.**, Ferreira, C., Näsström, H., Kalantari, Z., Open-source planning support system for sustainable regional planning: A case study of Stockholm County, Sweden, *Environment and Planning B: Urban Analytics and City Science*, 47(8), 1508-1523, 2020. <https://doi.org/10.1177/2399808320919769>
49. Ghajarnia N, **Destouni G**, Thorslund J, Kalantari Z, Åhlén I, Anaya-Acevedo JA, Blanco-Libreros JF, Borja S, Chalov S, Chalova A, Chun KP, Clerici N, Desormeaux A, Garfield BB, Girard P, Gorelits O, Hansen A, Jaramillo F, Jarsjö J, Labbaci A, Livsey J, Maneas G, McCurley K, Palomino-Ángel A, Pietroni J, Price R, Rivera-Monroy VH, Salgado J, Sannel ABK, Seifollahi-Aghmiuni S, Sjöberg Y, Terskii P, Vigouroux G, Licero-Villanueva L, Zamora D, Data for wetlandscapes and their changes around the world, *Earth System Science Data*, 12, 1083–1100, 2020. <https://doi.org/10.5194/essd-12-1083-2020>
50. Ferreira C.S., Mourato S., Kasanin-Grubin M., Ferreira A.J.D., **Destouni, G.**, Kalantari Z., Effectiveness of Nature-Based Solutions in Mitigating Flood Hazard in a Mediterranean Peri-Urban Catchment, *Water*, 12(10), 2893, 2020. <https://doi.org/10.3390/w12102893>

2019 – 16 papers

51. Engström, R.E., **Destouni, G.**, Howells, M., Ramaswamy, V., Rogner, H., Bazilian, M., Cross-Scale Water and Land Impacts of Local Climate and Energy Policy—A Local Swedish Analysis of Selected SDG Interactions, *Sustainability*, 11, 1847, 2019. <https://www.mdpi.com/2071-1050/11/7/1847>
52. Vigouroux G, **Destouni G**, Jönsson A, Cvetkovic V, A scalable dynamic characterisation approach for water quality management in semi-enclosed seas and archipelagos, *Marine Pollution Bulletin*, 139, 311–327, 2019. <https://authors.elsevier.com/sd/article/S0025326X18308737>
53. Chen Y, Cvetkovic V, **Destouni G**, Scenarios of Nutrient-Related Solute Loading and Transport Fate from Different Land Catchments and Coasts into the Baltic Sea, *Water*, 11, 1407, 2019. <https://doi.org/10.3390/w11071407>
54. Ma Y., Bring A., Kalantari Z., **Destouni G.**, Potential for Hydroclimatically Driven Shifts in Infectious Disease Outbreaks: The Case of Tularemia in High-Latitude Regions, *International Journal of Environmental Research and Public Health*, 16, 3717, 2019. <https://www.mdpi.com/1660-4601/16/19/3717>
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