

Dr Grigorios Vasilopoulos, brief CV

I am a fluvial geomorphologist with an active international research profile, specialising in the evolution of river deltas under climate and anthropogenic change. My work integrates numerical modelling, laboratory experimentation, field observation and remote sensing, and I routinely work at scale using a 'big data' approach and high-performance computing. I am a committed advocate for open research practices, and I serve on the Open Research Working Group at the University of Hull and as an Open Research Champion.

Employment:

2023–: Lecturer in Geospatial and Earth Observation, Energy and Environment Institute & Centre of Excellence in Data Science Artificial Intelligence and Modelling, University of Hull, UK

2017–2023: Post-doctoral Research Associate in Deltaic Flood Risk, Energy and Environment Institute, University of Hull, UK

2017: Research Assistant, Geography and Environment, University of Southampton, UK.

Qualifications:

2025: Postgraduate Certificate in Academic Practice (PCAP), University of Hull, UK.

2017: Ph.D. Physical Geography, University of Southampton, UK.

2013: M.Sc. Geo-Information Science and Earth Observation for Environmental Modelling and Management, University of Twente, the Netherlands and University of Southampton, UK (Erasmus Mundus MSc programme).

2011: B.Sc. Geology and Geo-environment, National and Kapodistrian University of Athens, Greece.

Research Funding:

Awards from the British Society for Geomorphology and the UKRI Global Challenges Research Fund. Grant applications as co-lead submitted to Horizon Europe, UKRI NERC and STFC.

Research Supervision:

Principal Supervisor to 1 current PhD and 2 completed PhDs. Co-supervisor to 1 current PhD, 1 completed MSc by Research.

Service:

2023–: ECR member of Open Research Working Group, University of Hull

2023–: Open Research Champion, University of Hull

2017–: Reviewer for Hydrology and Earth Systems Science (HESS), Natural Hazards, CATENA, Aeolian Research, Ecohydraulics.

2021: Session co-convener, EGU General Assembly (online)

2018: Organiser, Inaugural Summer Conference, Energy and Environment Institute, Hull

2015: Organisation assistance, BSG Annual meeting, Southampton

2013: Organisation assistance, Windy day meeting, Southampton

Research Outputs:

10 peer-reviewed publications with 574 citations (June 2026, [Google Scholar](#)). 30 conference contributions at national and international meetings including Annual Meetings, EGU General Assemblies and AGU Fall Meetings.

Peer-reviewed publications:

1. Quan L. Q., Hackney, C. R., Vasilopoulos, G., Coulthard, T., Hung, N. N., Darby, S. E., Parsons, D. R., (2025). Sand-mining-driven reduction in Tonle Sap Lake's critical flood pulse. *Nat Sustain* 8, 1455–1466. <https://doi.org/10.1038/s41893-025-01677-8>

2. Byrne, P., Biles, E., Cui, L., Williams, R., ... Vasilopoulos, G., et al. (2025). Forever but not everywhere? Unexpected absence of per- and polyfluoroalkyl substances (PFAS) in major Philippines rivers. *River*, 4(1), 29-35. <https://doi.org/10.1002/rvr2.70002>
3. Domingo, J. P. T., Jenkin, G. R., Quick, L., Williams, R. D., ... Vasilopoulos, G., et al. (2024). Sustainable mining in tropical, biodiverse landscapes: Environmental challenges and opportunities in the archipelagic Philippines. *Journal of Cleaner Production*, 143114. <https://doi.org/10.1016/j.jclepro.2024.143114>
4. Lyddon, C., Chien, N., Vasilopoulos, G., Ridgill, M., Moradian, S., Olbert, A., et al. (2024). Thresholds for estuarine compound flooding using a combined hydrodynamic–statistical modelling approach. *Natural Hazards and Earth System Sciences*, 24(3), 973-997. <https://doi.org/10.5194/nhess-24-973-2024>
5. Lyddon, C., Robins, P., Lewis, M., Barkwith, A., Vasilopoulos, G., Haigh, I., & Coulthard, T. (2023). Historic spatial patterns of storm-driven compound events in UK estuaries. *Estuaries and Coasts*, 46(1), 30-56. <https://doi.org/10.1007/s12237-022-01115-4>
6. Hackney, C. R., Vasilopoulos, G., Heng, S., Darbari, V., Walker, S., & Parsons, D. R. (2021). Sand mining far outpaces natural supply in a large alluvial river. *Earth Surface Dynamics*, 9(5), 1323-1334. <https://doi.org/10.5194/esurf-9-1323-2021>
7. Eslami, S., Hoekstra, P., Kernkamp, H. W., Nguyen Trung, N., ... Vasilopoulos, G., et al. (2021). Dynamics of salt intrusion in the Mekong Delta: results of field observations and integrated coastal–inland modelling. *Earth Surface Dynamics*, 9(4), 953-976. <https://doi.org/10.5194/esurf-9-953-2021>
8. Vasilopoulos, G., Quan, Q. L., Parsons, D. R., Darby, S. E., Tri, V. P. D., Hung, N. N., ... & Aalto, R. (2021). Establishing sustainable sediment budgets is critical for climate-resilient mega-deltas. *Environmental Research Letters*, 16(6), 064089. <https://doi.org/10.1088/1748-9326/ac06fc>
9. Bussi, G., Darby, S. E., Whitehead, P. G., Jin, L., Dadson, S. J., Voepel, H. E., Vasilopoulos, G., ... & Nicholas, A. (2021). Impact of dams and climate change on suspended sediment flux to the Mekong delta. *Science of the Total Environment*, 755, 142468. <https://doi.org/10.1016/j.scitotenv.2020.142468>
10. Whitehead, P. G., Jin, L., Bussi, G., Voepel, H. E., Darby, S. E., Vasilopoulos, G., ... & Hung, N. N. (2019). Water quality modelling of the Mekong River basin: Climate change and socioeconomics drive flow and nutrient flux changes to the Mekong Delta. *Science of the total environment*, 673, 218-229. <https://doi.org/10.1016/j.scitotenv.2019.03.315>