Kieran Khamis

Research Associate (KTP)

School of Geography, Earth and Environmental Sciences (/schools/gees/index.aspx)

Contact details

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About

Kieran Khamis is a hydroecologist with a specialist knowledge of alpine river systems. His current research is focused on the development of a real time, fluorescence-based monitoring system for surface waters.

Qualifications

Award pending: PhD Alpine hydroecology. University of Birmingham

2006-2007: MSc Conservation Biology Manchester Metropolitan University

2001-2004 : BSc Geography Manchester Metropolitan University

Biography

After completing a BSc and MSc at Manchester Metropolitan University Kieran worked for 3 years as an Invertebrate Taxonomist at APEM ltd. In 2010 he undertook an EU funded PhD at the University of Birmingham supervised by Professors Alexander Milner and David Hannah and Dr. Lee Brown (University of Leeds). His doctoral research focused on identifying the impact of climate change on alpine river ecosystems. He is currently working as a Research Associate involved in a Knowledge Transfer Partnership (KTP) between RS Hydro and the University of Birmingham.

Research

Research interests

- Hydroecology of mountainous and upland environments
- Freshwater invertebrate taxonomy
- Community ecology
- Water quality
- Fluorescence spectroscopy

Other activities

- Royal Geographical Society (RGS) field work grant recipient 2011
- Member of the Freshwater Biological Association (FBA)
- Member of the British Hydrological Society (BHS)
- Member of British Ecological Society
- Reviewer for Freshwater Science

Publications

Finn DS, Khamis K, Milner AM. 2013. Loss of small glaciers will diminish beta diversity in Pyrenean streams at two levels of biological organization. *Global Ecology and Biogeography* **22**: 40–51. DOI: 10.1111/j.1466-8238.2012.00766.x

Khamis K, Hannah DM, Clarvis MH, Brown LE, Castella E, Milner AM. 2014. Alpine aquatic ecosystem conservation policy in a changing climate. *Environmental Science & Policy* **43**: 39–55. DOI: 10.1016/j.envsci.2013.10.004

Khamis K, Hannah DM, Brown LE, Tiberti R, Milner AM. 2014. The use of invertebrates as indicators of environmental change in alpine rivers and lakes. *Science of the Total Environment*. DOI: 10.1016/j.scitotenv.2014.02.126

Khamis K, Brown LE, Hannah DM, Milner AM. Accepted. Experimental evidence that predator range expansion modifies alpine stream community structure. *Freshwater Science*