

Water Innovation
& Research
Centre



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Upcoming events

25 February 2020: [Assessing biofouling potential through seawater reverse osmosis pre-treatment systems](#) by [Professor Maria Kennedy](#) from [IHE Delft Institute for Water Education](#)

25 March 2020: IPR public lecture series - [Reflections on UK rivers and aquatic ecosystems](#)

26 March 2020: [From research to practice: innovation pathways for water technologies](#) by [Dr Jo Burgess](#) from [Isle Utilities](#)

2 July 2020: [GW4 Water Security Alliance Annual Conference](#), Assembly Rooms, Bath

Please note that all these events are free and open to all.

Research



[Testing the Resilience of a New Dynamic Revetment Under Sea Level Rise \(DYNAREV2\)](#)

[Dr Chris Blenkinsopp](#) and [WISE CDT](#) student Ollie Foss were involved in a recent experiment into dynamic coastal protection: following the success of the [DYNAREV](#) experiment in the summer of 2017, a second Bath-led laboratory experiment on a low cost style of dynamic revetment was carried out in collaboration with researchers from institutions in both Europe and Brazil, supported by GCRF funding. Both experiments were carried out in the 300m Großer Wellenkanal (GWK) flume based in Hannover.



[WISE CDT research visit to the UK Centre for Ecology and Hydrology \(UK-CEH\)](#)

Andy Barnes, a WISE CDT Cohort 4 student, recently returned from a three-month research visit (October to December 2019) to the [UK Centre for Ecology and Hydrology](#) (UK-CEH). The goal of this visit was to collaborate with senior hydrologist Dr Cecilia Svensson in the use of advanced machine learning techniques to identify the atmospheric conditions leading to extreme rainfall events in Great Britain.

Blog



[A-Level placement student wins Best Presentation at YMB Summit for research into microplastics](#)

Last summer, [WEIR](#) (Research Unit for Water, Environment and Infrastructure Resilience) hosted Alex Gibb for her A-Level work experience placement where she researched the rise and sinking velocities of different types of microplastic particles. Alex presented the outcome of her experiment at the 2019 Young Marine Biologists' Summit at the Marine Biological Association, Plymouth, in December and went on to win Best Presentation of the conference.



[Attending the British Water International Conference: Tomorrow's Water](#)

Viviane Runa, PhD student within CSCT, was invited to attend the British Water International Conference themed "Tomorrow's Water" in November 2019. Her invitation to the conference followed from her [prize-winning presentation at the 20th UK Young Water Professionals Conference](#) in June. Viviane also moderated a round table under the topic "Micropollutants and Microplastics in our Waterways".

Recent publications

- [Rapid and on-site simultaneous electrochemical detection of copper, lead and mercury in the Amazon river](#). Bernalte Morgado E, Wenk J, Estrela P, Avila A, Arevalo S, Perez J & Di Lorenzo M, 2019.

Nardo A, Carravetta A, Ramos H & Adeyeye K, 2019.

- [High flux thin-film nanocomposites with embedded boron nitride nanotubes for nanofiltration](#). Casanova S, Liu TY, Chew J, Livingston AG & Mattia D, 2019.

In the media

- 'Big data goes down the plughole to fight future public health threats'. [Water Industry Journal, 3 December 2019](#) and [Institute of Water Magazine, Winter 2019](#).

Upcoming conferences

15 - 17 April 2020: Cardiff University, UK, [21st IWA UK Young Water Professionals Conference](#)

28 - 30 April 2020: Istanbul, Turkey, [6th IWA International Symposium on Water, Wastewater and Environment in Ancient Civilizations: Traditions and Cultures](#)

10 - 14 May 2020: Vienna, Austria, [13th IWA Specialised Conference on Design, Operation and Economics of Large Wastewater Treatment Plants](#)

You can find all IWA events on their [website](#).

Let us know if you are aware of any new colleagues or students working within water research at the University of Bath, so that we can add them to our mailing lists!



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