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**Water Innovation
& Research
Centre**



**UNIVERSITY OF
BATH**



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[Dear WIRC Colleagues,](#)

What a crazy year we have had, I think no one will deny that. It changed our lives completely and we had to learn many new - mainly digital - skills. I hope you or any of your family or friends did not get the virus with remaining issues. I hope that normal times will come back in the coming months. That we can meet each other in person, that we can meet without zoom or teams.

For me personally it has not been a big challenge. I have been at home in the Netherlands since early March and have done all my work from home. It was great to be with my family for a longer period again, something I couldn't do in the previous years. Nevertheless, I miss Bath and meeting with students, colleagues, and friends in the UK a lot. Although Zoom and Teams have brought the world at your doorstep, it is not a replacement for the real life and in person meetings. The good point is that the current situation will come an end, eventually. I'm very much looking forward to that moment.

From the Netherlands, I would like to wish you, and your family and friends, a Merry Christmas and a very happy and healthy 2021!

Jan Hofman

[£200M Ofwat fund to bring opportunities for water research](#)

Leaders in Bath's [Water Innovation Research Centre](#) have since January 2020 been working with colleagues across the water industry, including other academics, and from [UKWIR](#), [Water UK](#), the UK's 17 water utilities and Arup, to develop a long-term strategy for innovation in the water utility space. Ofwat have now released information about the first phase [Innovation in Water Challenge](#), launching in January 2021, and the [Main Competition](#), which launches in March 2021.

Ofwat yesterday launched a consultation paper on "[Public Value in the Water](#)

linked webpage.

[Read more](#)

[WIRC colloquium series](#)

The final WIRC water colloquium of the calendar year took place on 10th December. This webinar showcased the work of our early career colleagues. Liana Zoumpouli, CSCT PhD student presented her work on ozonation in water treatment; and former WISE CDT doctoral student Dr Paul Bayle presented his research on using natural environments for coastal protection.

The first WIRC water colloquium of 2021 will take place on **29th January** and will feature **Prof Maria Kennedy of IHE Delft Institute for Water Education**. Details will be disseminated in the new year.

We have reserved slots in February and April for internal speakers. If you would like to present at our series, please get in touch with Stuart Bennett: sb2454@bath.ac.uk. The webinar could feature just one presentation, or a handful of smaller presentations from a group. This is an excellent opportunity to showcase your work to our community.

[Grant clinic](#)

Over the summer, WIRC held two research grant clinics. The clinics are designed to support academics and researchers in the development of grant proposals on which they are currently working. Participants in the clinics are given the opportunity to present their research idea to a panel of experts assembled by the [WIRC](#) team, and they then receive confidential constructive feedback on how to improve their proposal. The aim of these clinics is to make grant proposals as strong and competitive as possible, thus increasing their likelihood of success.

If you have a research idea you would like to develop into a grant proposal, or you if are already working on a proposal and would like to do some fine tuning before submitting it, please contact Stuart Bennett (sb2454@bath.ac.uk) to organise a grant clinic. Our last two clinics received positive feedback from the participants, who have said that they provide an invaluable opportunity to gather expert opinion prior to submitting a funding bid.

The **GW4 WSA consortium** has established a doctoral research student committee, which will organise and host early career events under the [WSA](#) banner. The committee is comprised of two doctoral students from each of the four GW4 universities, and we are looking for one more volunteer from Bath to join. You will be working with colleagues from across the [GW4](#) and from the [Global Water Futures](#) research institute, based out of the University of Saskatchewan, Canada, who also have representatives on the committee. If you are interested in joining, please email Stuart Bennett: sb2454@bath.ac.uk.

Research



[Antimicrobial Resistance: Using Water Fingerprinting to Assess Usage and Fate of Antibiotics](#)

The discovery of antibiotics unquestionably changed the face of public health. However, pathogenic tolerance to these drugs is ever increasing, and it's becoming a [global concern](#).

Read more from [IEAM Blog posted by Elizabeth Holton, University of Bath](#)

Blog

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[The Global Science Show combined with FUTURES2020 offered a surprisingly excellent opportunity for the University of Bath](#)

Global presenters from University of Bath were Andy Barnes (WISE CDT), Russell Arnott, Naomi Deering, James Rand (WISE CDT) and Ioanna Stamataki (who is now beyond WISE and is a Doctor).

Read more on [WIRC blog](#)

Upcoming events

WIRC Colloquium / Prof Maria Kennedy of IHE Delft Institute for Water Education / 29th January 2021 / more details will be announce soon

REDAWN / Reducing Energy Dependency in Atlantic Area Water Networks/ final project virtual event – REDAWN & Beyond / 9th February 2021. [Register here.](#)

Join us for a lively event by the REDAWN team and external partners exploring the potential for energy recovery in water networks. The event will present the key results and successes from the research, engage stakeholders with a range of interactive activities and discuss the merits of MHP technologies to the Atlantic Area and beyond. For more information, please visit the [REDAWN website](#).

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

Recent publications

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Applied Energy, Dziegielowski, J, Metcalfe, B, Villegas-Guzman, P, Martínez-Huitle, CA, Gorayeb, A, Wenk, J & Di Lorenzo, M

- '[Water Marginality in Rural and Peri-Urban Communities](#)', *Journal of Cleaner Production*, Adeyeye, K, Gibberd, J & Chakwizira, J
- '[Fouling Analysis and the Recovery of Phytosterols from Orange Juice Using Regenerated Cellulose Ultrafiltration Membranes](#)', *Food and Bioprocess Technology*, Abd-razak, NH, Zairossani, MN, Chew, YMJ & Bird, MR

In the media

[Aqua~360: Water for All - Emerging Issues and Innovations conference](#) - 31st August - 2nd September 2021, University of Exeter, Keynote speaker **Prof Barbara Kasprzyk - Hordern** from Bath

[2nd International Symposium on water System Operations](#) - 1-3 September 2021, Bristol (28 February 2021 – Call for extended abstracts opens - 30 April 2021 – Deadline for extended abstracts submission)

Upcoming conferences

31 March - 02 April 2021 Riga, Latvia: [12th Eastern European Young Water Professionals Conference](#)

07 April 2021 - 09 April 2021 France, Bordeaux: [11th IWA Efficient Urban Water Management Conference](#)

09 May 2021 - 14 May 2021 Copenhagen, Denmark: [IWA World Water Congress & Exhibition 2021](#)

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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