



Biotechnology and  
Biological Sciences  
Research Council



Engineering and  
Physical Sciences  
Research Council



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## EBNet Newsletter - December 2022

### New

#### **EBNet Workshop: "Life Cycle Assessment Tools for Environmental Biotechnology"**

12 December 2022 13.00-16.00 GMT, online

Join us for this FREE online workshop – brought to you by the [Process Integration and Sustainability Assessment Working Group](#). Join us for 3 hours of top level content.

Featuring top speakers from academia and industry this workshop is led by **Professor Jhuma Sadhukhan**, University of Surrey. Speakers include: **Dr James Joyce**, Unilever; **Dr Adrian Higson**, NNFC and **Dr Siddharth Gadkari**, University of Surrey. Register [HERE](#) or find the TEAMS link online via the Working Group homepage.

#### **"Testing the Waters 6" Conference**

26-27 June 2023, Said Business School, University of Oxford

Save the date! The EBNet Working Group "[Environmental Sensors and Wastewater Surveillance](#)" is happy to support the latest in this conference series which will gather experts from disciplines involved in wastewater analysis. [Call for abstracts](#): 1 Jan–15 March. Notification: 15 April. Registration from: 1 May.

#### **National Biofilms Innovation Centre**

NBIC are a global innovation hub tasked to prevent, detect, manage and engineer biofilms.

Having secured Phase 2 investment from BBSRC and Innovate UK for the next 5 years, and ably supported by the new CEO, Professor Jo Slater-Jefferies, you can check out their ongoing support and activities [here](#).

### **Congratulations!**

Well done to the winners of the EBNet-sponsored prizes at this years' [Early Career People in Water conference](#), [Cranfield](#). Best presentation: **Mark Hunter**, University of Liverpool; Best poster: **Pinelopi Savvidou**, Cranfield University; Best poster pitch: **Harry Nicklin** (pictured right), Cranfield University.



### **... And further congratulations!**

Congratulations to Elisabeth Hiis, from the Norwegian University of Life Sciences, who won the EB Network sponsored poster prize at the [European Biosolids & Bioresources Conference & Exhibition](#). Her poster, part of the [NOX2N project](#), entitled "Feasible and effective reduction of N<sub>2</sub>O emissions from farmland by using organic wastes as substrates and vectors for N<sub>2</sub>O-reducing bacteria", was voted for by conference attendees



The [EBNet Bioinformatics Working Group](#) produced an [excellent session on Bioinformatics](#) at the European Biosolids & Bioresources Conference & Exhibition on 23rd November 2022. Professor James Chong and Dr Sarah Forrester (University of York), Dr Pavel Sierocinski (University of Exeter) and Dr Stefano Campanero (University of Padova) joined Dr David Inman and Dr Lindsay Gove from Anglian Water to outline the latest research from academia and industry.



### **Now Open**

EBNet funding opportunities for academia and industry are highlighted below.

#### **EBNet Placement Call** - Always open

These are worth up to £1,500 for UK-based placements and £3,000 for overseas placements.

#### **ECR Conference Travel Bursary** - Always open

Looking to present your work at a major conference and lack funding? We have support worth up to £1,500 for our listed conferences - next up is ISMOS 9 (Abstracts by 6 Jan). Have something different in mind but want to know if it is in remit? **Ask us**, in case we are able to help.

### **Spotlight On...**

What are you working on right now? Email us details if you want a shout-out in the next newsletter.



#### **The Oracle for Research Project Award**

Oracle for Research collaborates with researchers to find solutions to complex, disruptive, and high-impact social, environmental, economic, and technical challenges. They offer project award grants which sponsor research projects with free cloud credits that give access to a variety of Oracle Cloud technologies including compute, GPUs, and HPC.

#### **NERC Peer Review College**

NERC is seeking to refresh its peer review college with an exciting opportunity to gain exposure to a variety of research applications and build awareness of NERC assessment processes, decision-making and governance. Apply by 9 January 2023

#### [Privilege Finance Student Sponsorships](#)

Are you a student completing research on climate change or carbon reduction solutions? Apply by 31 January 2023 to win £1,000 and gain access to career boosting opportunities.

#### ***Are you getting the latest information from us?***

More people are turning to EBNet for speedy access to events, reports, jobs, PhD/Postdoc positions etc. Join us on [LinkedIn](#) and [Twitter](#).



## Forthcoming Events

Find selected upcoming events below.

For more, go to: [Events Roundup](#).

[E3B: Selective recognition and separation of f-block elements using lanmodulin](#) - 14

December 2022

[ADBA: Policy Briefing.\] Food and Farming](#) - 14 December, 2022

[Biochemical Society: Xmas Bioenergetics Meeting](#) - 16 December 2022, London

[SWIG Workshop: Sensors for AMP8 and PR24, Monitoring of CSOs for water quality in accordance with the Environment Act, 2021](#) - 25 January 2023

[BBNet Conference: "Green Futures" What's next for biorefineries?](#) - 22-24 March 2023, Harrogate

[The Microbiology Society Annual Conference 2023](#) - 17-20 April 2023, Birmingham

International Convention Centre

[Sustainable Plastics Live/GRIPS](#) - 10 May 2023, Coventry

## Funding

Funding opportunities for academia and industry are highlighted below.

For more, go to: [Funding Roundup](#).



[Innovate UK: Analysis for Innovators \(A4I\)](#) - 4 January 2023

[BBSRC-STFC facility access funding for bioscience partnerships](#) - 6 January 2023

[BBSRC: Innovation to Commercialisation of University Research \(ICURE\)](#) - 9 January 2023

[BBSRC: Pioneer awards: early-stage frontier bioscience research](#) - 10 January 2023

[Innovate UK: Innovation Loans Future Economy Competition](#) - 11 January 2023

[Innovate UK smart grants](#) - 18 January 2023

[Innovate UK: Knowledge Transfer Partnerships](#) - 25 January 2023

[BBNet: Proof of Concept funding](#) - 25 January 2023

[E3B: Business Interaction Voucher Award](#) - 1 February 2023

[RGS: Environment and Sustainability Research Grants](#) - 22 February 2023

[Pre-announcement: EPSRC circular economy critical mass programmes](#) - February 2023

[UKRI: Centres for Doctoral Training](#) - 7 March 2023

[Co-Centre Programme 2022: collaboration for transformative research and innovation](#) - 16 March 2023

[SfAM: New Lecturer Research Grant](#) - 30 April 2023

[Pre-announcement: UKRI policy fellowships](#) - April 2023



## Jobs, Training, Awards & PhDs

Did you know we have funds available to help members access placements in industry or academia?

**Jobs** (also see [FindAPostDoc](#) & [Jobs.ac.uk](#))

[Professor/Reader in Sustainable Manufacturing and Design](#) - University of Strathclyde, 6

January 2023

[Research Fellow in Bioleaching](#) - Coventry University, 14 December 2022

[Post-Doctoral Research Fellow \(Microbial Sciences\)](#), - University of Surrey, 23 December 2022

### Training

[CL:AIRE 2023 Training Dates Published](#) - various 2023

[EMBL-EBI: On-demand training](#) - various

[EMBL-EBI: Live Training](#) - various

[AquaEnviro: Training](#) - various

[ADBA: Training](#) - various

### Awards and Competitions

[RAEng: The MacRobert Award](#) - 31 January 2023

[Royal Society: Rosalind Franklin Award](#) - nominations open

[The Royal Anniversary Trust: Prizes](#) - 29 March 2023

### PhDs (see [FindaPhD](#))

[Integrated socio-environmental life cycle assessment of sustainable low-carbon energy systems and of UKRI-funded research projects](#) - University of Glasgow, 4 January 2023

[Smouldering Solutions for Resource Recovery from Wastewater Streams](#) - University of Strathclyde, 6 January 2023

[Modelling microbial metabolic islands in the \(waste\) stream](#) - University of York, 8 January 2023

[Intensifying biohydrogen production from mixed waste feedstock digestion](#) - University of Bath, 29 January 2023

## Publications

[Bacteriophage cocktail as a promising bio-enhancer for methanogenic activities in anaerobic membrane bioreactors](#) - By: Sevcen Aydina *et al.* In: Science of The Total Environment. Volume 832, 1 August 2022, 154716

[Electrified bioreactors: the next power-up for biometallurgical wastewater treatment](#) - By: Pieter Ostermeyer *et al.* In: Microbial Biotechnology Volume15, Issue3. March 2022. Pages 755-772

[Recent Developments on Magnetically Separable Ferrite-Based Nanomaterials for Removal of Environmental Pollutants](#) - By: Shreyas Pansambal *et al.* In: Journal of Nanomaterials. Volume 2022, Article ID 8560069

## Still here?

Looking for ways to reduce single use this Xmas? Last years' trend was [Beeswax wraps](#) - a multi-use replacement for the standard clingfilm to keep your leftovers fresh. Looking ahead, the [CoffeeB](#) "coffee ball" system is a Swiss idea now starting to roll out in Europe. This holds coffee in algae wraps, leaving nothing but a compostable wrapper in your machine. (And congratulations to [Notpla](#) - winners of the Earthshot prize). But an easy win is buying recycled and recyclable wrapping paper or simply avoid buying paper with pretty foils and plastics, which look good but have to go straight in the black bin! Super thrifty is to carefully unwrap and reuse the paper for next year. And it costs nothing to consider logistics too - with Santa as the ultimate role model here. He avoids superfluous car/air miles by bunching his deliveries into a single trip. (*How much did Santa's sleigh cost? It was on the house.*)

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