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## EBNet Newsletter - April 2022

### New

#### [EBNet webinar: Advances in Anaerobic membrane Bioreactors \(AnMBR\)](#)

Thursday, 21 April 2022 at 12:30–14.00

[Register here now.](#)

#### [EBNet Bioinformatics Working Group webinar: Why Bioinformatics Training is Important](#)

Wednesday, 11 May 2022, at 14.00-15.30

[Register here now.](#)

#### [Joint EBNet/Algae-UK webinar - "Developments in Algal Gas Scrubbing"](#)

Tuesday, 17 May 2022, 12.00 (BST)

[Register here now.](#)

#### [EBNet webinar: CO2 Biomethanisation](#)

Thursday, 26 May 2022, 12.00-14.00.

HOLD THE DATE! Registration available soon.

#### **4th EBNet Early Career Researcher Conference (ECR22)**

Autumn (tbc).

Open to all ECRs - want to join the ECR **Scientific Committee**? Help out behind the scenes with abstracts, sessions and Chairs. Just email us to join the committee (after Easter).



### Now Open

*EBNet funding opportunities for academia and industry are highlighted below.*

#### [EBNet 3rd Proof of Concept Call](#) - 16 May 2022 (midnight)

In this open call we are looking for cross- and multi-disciplinary projects at TRL 1 to 4, and can support desk-studies (£25K), single discipline (£50K) and cross-discipline projects (£100K). Note that applications are now "double-blind" - check the updated guidance.

[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 - ask for details.

## Spotlight On...

Do you have any good news to share with other members? Email us details if you want a shout-out in the next newsletter.



### [Farm of the Future Report](#)

The [Royal Agricultural Society of England](#) (RASE) is an independent charity dedicated to the application of science and technology to optimise agriculture and food resources. Its latest report, sponsored by EBNet, touches on soils, nutrient management, by-products, co-products, AD... For enquiries, contact the Lead Editor, Angie Bywater.

Take Innovate UK's [Technologies of the Future Survey](#) (2022 edition) Help Innovate UK and UKRI to improve their understanding of the technology landscape, and ensure they are focused on the right areas and are developing the right programmes and support mechanisms for the future. Share your thoughts by: **30 April 30 2022**

Could you share your expertise with the funders? The [European Research Executive Agency: Call for experts](#) is open; so too is the [BBSRC Pool of Experts and Follow-on Fund Committee](#)

There is a forthcoming Special Issue for MDPI Energies Journal on '[Advances in Microbial Factories for CO2 Exploitation](#)'. Deadline: **15 June 2022**.



## Forthcoming Events

Find selected upcoming events below.

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

### **The Carbon Recycling Network: [Metabolic Modelling Workshop](#)**

3-6 May 2022, Nottingham. Expression of interest closes: **14 April 2022**.

### **[RSC: Emerging Technologies Competition](#)**

18 April 2022

### **[Royal Society Industry fellowships](#)**

21 April 2022

### **[KTN: Circular Economy Innovation Network Launch Event](#)**

26 April 2022

### **[ADBA Report Launch: Food Waste Recycling](#)**

27 April 2022

### **[UCL: Spring into STEM. Biocatalysis: Engineering a Sustainable Future](#)**

4 May 2022

### **[The Cranfield Water Masterclass Series](#)**

[Microplastics in Drinking Water - how worried should we be?](#) - 6 May 2022

[Why hydrogen? Why now? hydrogen's role in a low carbon and circular society](#) - 10 May 2022

[Ammonia to Energy: Creating carbon free ammonia and hydrogen fuels from anaerobic digestion and agricultural slurries](#) - 13 May 2022

[Circular Economy for Sanitation](#) - 17 May 2022

[Pile Cloth Media Filtration – towards sustainable solids removal?](#) - 20 May 2022

[Tackling Pesticides in Drinking Water - the power of UV and advanced oxidation processes](#) - 24 May 2022

[Advanced Sensor Technology for the Water-Environment-Health nexus](#) - 27 May 2022

[EPSRC: Microscale systems, sensors and devices, and machines workshop](#)

9 May 2022

[KTN: Technology family workshops: Engineering Biology](#)

9 May 2022

[UN Global Compact Network UK: Reducing Scope 3 Emissions: Waste-Related Emissions](#)

12 May 2022

[MOD/DSTL: Supercharging Science 2022: Securing Strategic Advantage through Science and Technology](#)

7 June 2022, the International Convention Centre, Newport, Wales. Register by: 20 May 2022

[NBIC/Bioactive Fluids Group: Biofilms and Bioactive Fluids](#)

6-8 June 2022, University of Liverpool

[Microbiology Society: Cell-Cell Communication in Bacteria: Fundamental and Applied Aspects](#)

28-30 June 2022

[CRNet: Annual Conference](#)

11-13 September 2022, EMCC, Nottingham

[HVBNet: Annual Conference](#)

21-22 September 2022, Crowne Plaza in Harrogate

[RETASTE: Rethink Food Waste](#)

20-21 October 2022, Heraklion, Greece

[European Biosolids & Bioresources Conference](#)

22-23 November 2022. Call for Abstracts: April

## Funding

*Funding opportunities for academia and industry are highlighted below.*

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



[Algae UK: Summer Studentship Bursaries](#)

29 April 2022

[Royal Society Industry fellowships](#)

21 April 2022

[RAE: Impacts of IOT in Water Systems - student competition](#)

Deadlines: 1 May 2022; 1 September 2022.

[NERC: Run advanced training for early-career environmental scientists](#)

4 May 2022

[Amazon Future Engineer Bursary](#)

6 June 2022

[NERC: Exploring the frontiers of environmental science research 2022](#)

14 June 2022

[NERC: Pushing the frontiers of environmental science research](#)

19 July 2022

[NERC: Work with US-based researchers on environmental science research](#)

Open

[British Council: GREAT Scholarships](#)

Open

## [National Lottery Grants](#)

Open



## 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](#))

[Student Internship/Traineeship](#) - Biothane, open now

**Spatial Ecological Modeller** - UK Centre for Ecology & Hydrology, 18 April 2022

**Research Associate in Molecular Microbiology** - The University of Manchester, 19 April 2022

**Postdoctoral Research Fellow: Human Pathogens Colonising Microplastics in the Marine Environment** - University of Stirling, 22 April 2022

### Training

[World Biogas Association: Sustainability & Methane Leaks](#) - 21 April 2022

[Advanced Sensors Technology for the Water-Environment-Health Nexus](#) - 27 May 2022, online by Cranfield University

### Awards and Competitions

[Microbiology Society: Microbiology in Society Award](#) - 21 April 2022

[Doctoral Researcher Awards](#) - annual

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

**Quantifying and abating greenhouse gas emissions from large wastewater treatment plants** - Newcastle University, 16 May 2022

**Creating algorithms for optimal process design in dynamic large-scale systems with surrogates** - University of Surrey, 20 May 2022

**Know your enemy: a mathematical framework for competition in bacterial communities** - University of Dundee, 30 June 2022

## Publications

[Review on Natural, Incidental, Bioinspired, and Engineered Nanomaterials: History, Definitions, Classifications, Synthesis, Properties, Market, Toxicities, Risks, and Regulations](#)

Ahmed Barhoum *et al.* In *Nanomaterials* 2022, 12(2), 177

[Bioremediation of oily seawater by Bacteria immobilization on a novel carrier material containing nutrients](#)

Qun Luo *et al.* In *Journal of Microbiological Methods* Volume 192, January 2022, 106392

[Life cycle sustainability assessment framework for water sector resource recovery solutions: Strengths and weaknesses](#)

Anurag Bhambhani *et al.* In *Resources, Conservation and Recycling*. Volume 180, May 2022, 106151

## Still here?

[Green Stories/BAFTA: Short Video Competition](#) - 31 May 2022

This new competition asks for a short video (30 seconds to 5 minutes) that raises awareness of the role of fictional role models in promoting sustainable lifestyles, and calls out those writers, producers and characters that implicitly promote excessive consumption

as an aspiration. Thinking about it, it's easy to name 5 characters with a "toxins cause superpowers" trope, so the challenge is to name 5 heroes that reduce, reuse and recycle...

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