



LCA Training by the EBNet Working Group - 28-30 October 2024, University of Surrey

EBNet Newsletter - November 2024

New

[EBNet: 2nd Bioelectrochemical Systems Workshop](#)

12/13 December 2024, Newcastle University

Following last years popular event, the [Bioelectrochemical Systems Development Working Group](#) are offering a workshop of knowledge and interaction for researchers working or interested in bioelectrochemical systems for the environment. This event will strengthen your knowledge on bioelectrochemical systems, provide training, and give you tools to improve the impact of your research. Places are limited and heavily subsidised.

Register your Expression of Interest [HERE](#).

[IFEAA Deep Dive: Reducing GHG emissions in agriculture](#)

19 November 2024, University of Bath (IAAPS facility) and online, 10:00-16:30

Agriculture is the largest source of CH₄ and N₂O emissions in the UK. This event will bring together the latest insight into measurement and abatement of these emissions to support action to reduce the environmental impact of farming. Sessions will include expert presentations on emissions sources, measurement techniques, and methods to reduce emissions or prevent their escape into the atmosphere. Register [HERE](#).



Now Open

EBNet funding opportunities for academia and industry are highlighted below.

[ECR Conference Travel Bursary, Placement Award and SWAP Travel Bursary](#)

Always open

Applications for support are now considered on a case-by-case basis, but *must* occur well prior to the end of the Network in March. Enquire early to see if we can help.

[CIWEM: Water and Environment Journal - Call for Papers - Environmental Biotechnology](#)

Submission deadline: 31 January 2025

The guest editors are Dr Tao Lyu, Cranfield University and Dr Anjali Jayakumar, Newcastle University; heads of our PFAs and ECR [Working Groups](#) respectively. This special issue is open for participants of the EBNet ECR conference AND also the whole EBNet community.

Get involved to promote research that impacts EB. Take a look [HERE](#).

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.



[Tender Opportunity: Risk Assessments for Compost and AD](#)

Deadline: 6 December 2024

REAL's Research Hub Project: *Risk assessments to inform the revision of End of Waste Frameworks for compost and digestate* have a Tender open. For full project details and submission instructions, refer to the Tender Invitation Document (TID) linked [here](#).

[New UKWIR Report published](#)

Find the 'Response to National Bioresources Strategy - Prioritisation of Resource Recovery Opportunities' and other reports [here](#).

[Report: The Global Hydrogen Review](#)

This is an annual publication by the International Energy Agency that tracks hydrogen production and demand worldwide, as well as progress in critical areas such as infrastructure development, trade, policy, regulation, investments and innovation. Find it [here](#).

[Report: Innovate UK materials and manufacturing vision 2050](#)

This is aimed at stimulating interest, focus and action to make the UK a leading, world-class destination for advanced low carbon manufacturing. Find it [here](#).

[IWA Publishing](#)

So far this year, IWA Publishing have published 13 Open Access eBooks, all available to download and read for free! Titles include topics like: *Resource Recovery from Industrial Wastewater through Microbial Electrochemical Technologies* and *Detection and Treatment of Emerging Contaminants in Wastewater*. Find more [here](#).

[WASTE](#)

WASTE is an international development organisation catalysing sustainable solutions to urban challenges. Find out more about their work with plastics [here](#).

[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.

Find more at: [KTN events](#)

NBIC: #Biofilm Week & WHO: World AMR Awareness Week - 18-24 November 2024

[IEA Bioenergy: Mixed plastic waste – Sustainable valorization solutions for material and energy recovery](#) - 18 November 2024

[RSC: Carbon dioxide detection in biological systems](#) - 18/19 November 2024

[Aqua Enviro: A Conversation about Residual Emissions](#) - 19 November 2024

[Navigating Net Zero: Understanding the Role of Hydrogen](#) - 28 November 2024

[iPACT @ Portsmouth Historic Dockyards: Wastewater, the Cinderella of Infrastructure](#) – 28 November 2024

[The British Society of Soil Science Annual Conference](#) - 4-6 December 2024, Cardiff

[BBSRC Follow-on Fund Showcase Webinar 2024](#) - 5 December 2024

[Climate-Smart Agriculture Partnership Scoping Projects: Introduction & Networking Webinar](#) - 11 December 2024

[The Continuous BioFlow Network Launch](#) – 10 January 2025, Edinburgh

[ISP55 – Sensing Technologies for Digital Agriculture](#) - 29 January 2025, Manchester

[BBNet: Industrial collaboration workshop: building stronger applications and relationships](#) - 4/5 February 2025, York (EoI by: 24 November 2024)

[17th European Conference on Fungal Genetics](#) - 2 March 2025, Dublin

[The Carbon Recycling Network: Annual Conference](#) - 9-12 March 2025, Shrigley Hall, Cheshire

[Biologists @ 100 conference](#) - 24-27 March 2025, Liverpool

[The Microbiology Society Annual Conference](#) - 31 March-3 April 2025

[Biosystems Engineering 2025](#) - 7-9 May 2025, Estonia

[IWA Resource Recovery Conference 2025: From Novel Concepts to Business](#) - 19-23 May 2025, the Netherlands

[14th IFAC Symposium on Dynamics and Control of Process Systems, including](#)

[Biosystems \(DYCOPS 2025\)](#) - 16-19 June 2025, Bratislava, Slovakia

[AquaConsoil 2025](#) - 16 June 2025, Liège, Belgium

Funding

Funding opportunities for academia and industry are highlighted below.

Find more at: [UKRI funding](#)



[Data sandpit for metascience](#) - 21 November 2024

[Spring Accelerator 4: How can we better understand, monitor and manage emerging contaminants in wastewater?](#) - 25 November 2024

[UKRI: Access to high performance computing facilities – autumn 2024](#) - 28 November 2024

[BBNet: BIV funding](#) - 30 November 2024

[Leverhulme Trust: Research Project Grants](#) - 1 December 2024

[Knowledge transfer partnership](#) - 4 December 2024

[Eureka Globalstars Japan Round 3](#) - 4 December 2024

[Supergen Bioenergy: Extraordinary flexible funding call on bio-based chemicals and materials](#) - 8 December 2024 (briefing webinar: 20 November 2024)

[Innovate UK: Launchpad: bio-based manufacturing, Scotland](#) - 11 December 2024

[Innovate UK: Launchpad: bio-based manufacturing, Scotland, round two CR&D](#) - 11 December 2024

[Innovate UK: Launchpad: agri-tech and food technology, Mid and North Wales MFA](#) - 11 December 2024

[Innovate UK: Launchpad: life and health sciences, Northern Ireland round two CR&D](#) - 11 December 2024

[BBSRC: UK-Singapore engineering biology for specialty chemical production](#) - 12 December 2024

[Innovate UK: Innovation loans future economy: round 18](#) - 8 January 2025

[BBSRC: Mid-range equipment for biosciences research: ALERT 2024](#) - 9 January 2024

[Leverhulme Trust: Emeritus Fellowships](#) - 30 January 2025

[Industrial Doctoral Landscape Award 2024/25](#) - 18 February 2025 (notification of intent by: 17 December 2024)

[Leverhulme Trust: Early Career Fellowships](#) - 20 February 2025

[Pre-announcement: Future Leaders Fellowships: round 10](#) - 18 June 2025



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](#))

[Lecturer / Senior Lecturer / Reader / Chair / Professor in Chemical Engineering \(or a closely related subject\)](#) - 15 November 2024, Imperial College London

[BBSRC: professional internships for PhD students](#) - up to eight placements available each year

[JSPS Postdoctoral Fellowship Call for the Humanities and Social Sciences](#) - 11 December 2024

Training

[In situ structural biology: expanding the toolbox for structural cell biology](#) - 4-7

February 2025, EMBL Heidelberg and Virtual

[Wild frontiers of model organisms](#) - 8-11 April 2025, EMBL Heidelberg and Virtual

Awards and Competitions

[The Microbiology Society: 2025 Prize Lectures and 2026 Prize Medal](#) - nominations now

open

[The BSSS: David S Jenkinson Knowledge Exchange Grant](#) - open quarterly

PhDs (see [FindaPhD](#))

[Rotation PhD Programme in Plant and Microbial Sciences](#) - 14 November 2024, John Innes

Centre

[Functional Sugar-derived Polymers for Sustainable Agricultural Applications](#) - 15

November 2024, University of York

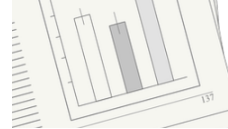
[Research Studentship in Control and Engineering Biology](#) - 3 December 2024, University of Oxford

[Bacterial sRNAs: Critical yet overlooked regulators of nitrous oxide emissions](#) - 8

January 2025, University of East Anglia

Publications

Have you seen something, or published anything recently, that you would like us to highlight?



[Synchronous and efficient removal of carbon, nitrogen, and phosphorus from actual rural sewage by composite wetlands enhanced with functional fillers](#)

By: Bing-Xu Guo *et al.* In: *Bioresource Technology*. Volume 414, December 2024, 131566

[Microbial Chemotaxis in Degradation of Xenobiotics: Current Trends and Opportunities](#)

By: Zhipeng Zhuang *et al.* In: *Microbiological Research*. Available online 22 October 2024, 127935

[Microbial groups containing alkaline phosphatase accelerate soil phosphate mineralization in two soil patterns with contrasting pH levels](#)

By: Li, H., Lin, J., Shao, Q. *et al.* In: *J Soils Sediments* (2024)

[First Evidence of Microplastic-Associated Extended-Spectrum Beta-Lactamase \(ESBL\)-Producing Bacteria in the Red River Delta, Vietnam](#)

By: Le Thanh Thao *et al.* In: *Journal of Hazardous Materials Letters*. In Press, Journal

[Dynamic feed scheduling for optimised anaerobic digestion: an optimisation approach for better decision-making to enhance revenue and environmental benefits](#)

By: Meshkat Dolat *et al.* In: *Digital Chemical Engineering*. Available online 9 October 2024, 100191

[Challenges with Bioaugmentation and Field-Scale Application of Bioremediation Processes for Petroleum-Contaminated Sites: A Review](#)

By: Koolivand, A., Coulon, F., Ball, A.S. *et al.* In: *Indian J Microbiol* (2024)

Still here?

Bigshots

Amongst the UK contenders for this years' [Earthshot Prize](#) were [MiAlgae](#) - for their work on fermentation processes to grow Omega-3-rich algae - and [NatureMetrics](#) - for simplifying the collection and reporting of environmental DNA. Nominations are open for the next one! For help getting started with entrepreneurship check out [ICURE](#) - the UK's pre-accelerator programme for researchers.