



Biotechnology and
Biological Sciences
Research Council



Engineering and
Physical Sciences
Research Council



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EBNet Newsletter - April 2024

New

Life Cycle Assessment (LCA) for Practitioners and the Industrial Community

30 April 2024, 10:00-16:00 hrs, Chilworth Science Park, Southampton

Join the EBNet community to delve into carbon offsetting technologies, their definitions, and incentives. Explore the landscape of carbon footprint calculators and their verification procedures, concentrating on the ISO14064-65 greenhouse gas validation and verification methods. We'll compare this with life cycle assessment (ISO14040-44), highlighting the unique aspects and commonalities that form the foundation for carbon offsetting schemes. Register [here](#).



Now Open

EBNet opportunities for academia and industry are highlighted below.

[6th annual EBNet ECR Conference](#)

24-26 July 2024, Newcastle University

Calling all Early Career Researchers - from PhD students to new lecturer/young professionals. Join us again this year to contextualise your research, meet useful people and practice your communication skills. We have strictly limited place for the optional site visit, so we recommend you book early. Register now [HERE](#) for your free place. Full travel/accommodation bursary support available to UK-based ECRs. Are you a supervisor, or do you have new colleagues? Spread the word!

[Webinar - Register Now - Prof Bruce Logan, 22 Apr 24, 1400-1500 hrs](#)

Prof Bruce Logan, Penn State College of Engineering presents his latest work for the EBNet Working Group on Bioelectrochemical Development for Environmental Biotechnology - not to be missed!

Lab Visit - Biochar research

The EBNet Working Group: [Biochars for Pollution Prevention](#), led by Dr Meredith Barr, will be holding lab visit to Herriot-Watt University on 24 May 2024. If you are interested to join the group for an interesting tour of the facilities and want to meet others working with biochars do [get in touch](#) with Meredith now to secure a place.

[Video Training for ECRs - book now!](#)

~ 26 April 2024, online session – essential preparation. 9am-11am

~ 17 May 2024, workshop, Birmingham. All day. (Bring own phone/laptop.)

Want to improve your video production skills? The online session covers aspects of pre-production; the in-person workshop covers aspects of production. Places are strictly limited for this free, [2-stage training](#) and we only have a few left! ECR travel bursaries available. Email: EBNet@EBNet.ac.uk, now.

[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? Given the increased cost of international flights we have raised our support to **£2,000** (max.) for full oral presentations to our listed conferences in 2023/24. Send in your application as soon as you are notified - we have a number set aside for each conference!

[EBNet BIV Call](#)

Open Call

Do you want to work with an industry partner? Can you complete a Business Interaction Voucher by December 2024? We have one BIV remaining and will allocate via an open Call. Get your [application](#) in now.

[EBNet: Share With A Peer \(SWAP\) Travel Bursary](#)

Always open. Available to Early Career Researchers

Proud of the work going on in your lab? Fancy a visit to another lab tackling similar topics? We have just the thing for you, We can offer **up to £250*** towards accommodation, meals, and travel per person - just make a short video clip &/or pictures suitable for our website. [Flyer](#).

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.



[IEA TASK 37 - New Report](#)

The latest IEA TASK 37 report by Jerry D Murphy *et al*, University College Cork is now available - [Circular economy approaches to integration of anaerobic digestion with Power to X technologies](#). This explores how electrolyzers integrate into bioprocesses to turn renewable energy into chemical energy.

[Government consultation - Bioenergy](#)

Working in the bioenergy sector? You can contribute to the Scottish government draft Bioenergy Policy Statement before 12 June 2024 [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](#)

[SynbiCITE: SynBio Business Basics Course](#) - 17-19 April 2024

[The Carbon Recycling Network: Stakeholder Engagement Workshop - Responsible and Safe Handling of C1 Gases](#) - 24 April 2024 (To register, please e-mail:

carbonrecyclingnetwork@nottingham.ac.uk)

[IFEAA: Deep Dive: Manure and Methane - What should we do with it?](#) - 16 May 2024, Bristol/online

[Pioneer Presents: Sustainable Biomanufacturing for Non-Human Cell Culture Technologies](#) - 21 May 2024

[The Royal Society: Innovating agriculture](#) - 3/4/June 2024

[Pioneer Presents: Investing in Planetary Health and Clean Growth](#) - 5 June 2024

[UKRI/BBSRC: Global Centres addressing global challenges through bioeconomy](#) - 11

June 2024

[Pioneer Presents: Round table discussion: Developing sustainable food systems](#) - 12

June 2024, Wilton

[Northumbrian Water: Innovation Festival 2024](#) - 8-11 July 2024

[IWA Biofilms 2024 Conference](#) - 24-26 October 2024, Shanghai, China

[SynbiTECH](#) - 3/4 December 2024, IET London

[7th IWA International Conference on eco-Technologies for Wastewater Treatment](#) -

23-26 June 2025, Sweden

Funding

Funding opportunities for academia and industry are highlighted below.

Find more at: [UKRI funding](#)



[BBSRC: Pre-announcement: strategic Longer and Larger \(sLoLa\) grants](#) - opens 11

April 2024

[Innovate UK innovation loans future economy: round 14](#) - 1 May 2024

[BBSRC: Bioinformatics and Biological Resources Fund \(24BBR\)](#) - 7 May 2024

[BBNet: Proof of Concept funding](#) - 8 May 2024

[EPSRC: Accelerating research outcomes to deliver a prosperous net zero: outline](#) -

16 May 2024

[EPSRC Prosperity Partnerships round six](#) - 21 May 2024

[BBSRC: Global Centres \(GC\) addressing global challenges through bioeconomy](#) - 11

June 2024

[Innovate UK: Future Leaders Fellowships: round nine, business and non-academic](#) -

25 June 2024

[EPSRC Network Plus: Tomorrow's Engineering Research Challenges](#) - 9 July 2024

[NERC: Pushing the frontiers of environmental research: July 2024](#) - 17 July 2024



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](#))

[Postdoctoral Research Associate](#) - 15 April 2024, The University of Edinburgh

[Lecturer in Marine Science](#) - 25 April 2024, University of Galway

[Associate Professor or DTU Tenure Track Assistant Professor in Biological and](#)

[Biotech Wastewater Treatment](#) - 5 May 2024, Technical University of Denmark

Training

[CIWM: Podcast series](#)

[CIWM: Training courses](#)

Awards and Competitions

[EMA: Engineering & Manufacturing Awards - various](#) - enter by: 12 April 2024

[The Postgrad Awards 2024](#) - 17 May 2024

[The Microbiology Society: International Development Fund](#) - 1 October 2024

PhDs (see [FindaPhD](#))

[Developing an integrated tool to assess soil health in agricultural settings](#) - 26 April

2024, University of Plymouth

[Sustainable Commodity Chemicals through Enzyme Engineering & Design](#)

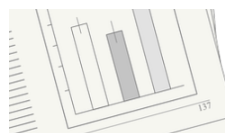
[\(SuCEEED\) - 4 posts available](#) - 30 June 2024, The University of Manchester

[Microbial Hydroponics - Novel Hydroponics Using Microbial Fuel Cells](#) - 31 July 2024,

University of Southampton

Publications

Have you seen or published anything recently that you would like us to highlight? Send your suggestions in!



The [Microbiology Society](#) issues [Microbiology Today](#); this month's issue covers *Antimicrobial Resistance (AMR) research*.

[Microbubble Intensification of Bioprocessing: The role of direct microorganism and bubble interactions](#)

By: Desai P.D., Zimmerman W.B.. In: Johnson Matthey Technology Review. 2023

[Environmental Protection by Aerobic Granular Sludge Process](#)

Editor: Yongqiang Liu. In Processes: Special Issue

[Identification of the bacterial community that degrades phenanthrene sorbed to polystyrene nanoplastics using DNA-based stable isotope probing](#)

By: Stephen Summers et al. In: Scientific Reports volume 14, Article number: 5229 (2024)

[Efficient DNA walker guided by ordered cruciform-shaped DNA track for ultrasensitive and rapid electrochemical detection of lead ion](#)

By: Nuanfei Zhu et al. In: Analytica Chimica Acta. Available online 16 March 2024, 342492

[Unveiling complete natural reductive dechlorination mechanisms of chlorinated ethenes in groundwater: Insights from functional gene analysis](#)

By: Zhuanxia Zhang et al. In: Journal of Hazardous Materials. Available online 13 March 2024, 134034

[Dual-Emission Single Sensing Element-Assembled Fluorescent Sensor Arrays for the Rapid Discrimination of Multiple Surfactants in Environments](#)

By: Dali Wei et al. In: Anal. Chem. 2024. Publication Date: 11 March 11 2024

Still here?

At last - a glowing Petunia!

As the American start-up [LightBio](#) starts shipments of their bioluminescent houseplant in the US (only \$29!) now is a good time to take another look at Engineering Biology. The UK centre for synthetic biology - [SynBiCite](#) is a good place to find more about the burgeoning bio-economy aspects that are starting to percolate into everyday life. For entrepreneurs, see the support offered by [SynBioVen](#) and the [London Biofoundry](#).