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EBNet Newsletter - November 2021

News

EBNet welcomes another [Working Group!](#)

"[Anaerobic Digestion](#)", led by Dr Mark Walker, University of Hull aims to develop and promote interest in the latest EB related to the topic. Interested? Get [in touch](#).

The "[Environmental Sensors and Wastewater Surveillance](#)" WG webinar series continues with two new events in November. There is still time to register for the one today if you are fast! See "events" below.

The latest Royal Agricultural Society of England (RASE) report "[Farm of the Future: Journey to Net Zero](#)" is now available. This timely report was supported by EBNet and edited by Angie Bywater - EBNet Network Co-manager.

This year's winner of the prestigious [IWA Global Water Award](#) was Prof. Marcos von Sperling, the Federal University of Minas Gerais, Brazil, who has worked for more than 40 years in the field of wastewater treatment. Read about his work on wastewater in Low- and Middle-Income Countries (LMIC) [here](#). His open access books are available free from the [IWA library](#) – home to a wealth of online sources. Alternatively try keyword searches on your topic of interest at the [Directory of Open Access Books](#) - home to over 44K academic peer-reviewed books.



Now Open

EBNet funding opportunities for academia and industry are highlighted below.

[Joint EBNet/IBioIC: Business Interaction Voucher Call](#)

Deadline: 19 November 2021

Want support to work with industry? Awards are up to £20K for UK-based projects. Scottish? IBioIC have made additional funds available. Informal queries welcome.

[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.



The Parliamentary & Scientific Committee's [STEM for BRITAIN 2022](#) will take place in the Houses of Parliament on Monday, 7th March 2022, during British Science Week. Applications are invited from early-career research scientists, engineers, technologists and mathematicians.

This major scientific poster competition and exhibition has been held in Parliament since 1997, and is organised by the Parliamentary & Scientific Committee. Chaired by Stephen Metcalfe MP, its aim is to give members of both Houses of Parliament an insight into the outstanding research work being undertaken in UK universities by early-career researchers. There are various prizes, including the Westminster Medal, awarded for the most excellent science communication.

Deadline for entries: 6 December 2021



Forthcoming Events

Find selected upcoming events below.

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

EBNet: ["Mass Spectrometry in Wastewater-based Epidemiology \(WBE\) for the Determination of Small and Large Molecules as Biomarkers of Exposure - Needs for COVID-19 Testing with Environmental Proteomics \(EP-WBE\)"](#) by Professor Damia Barcelo - IDAEA-CSIC, Spain.

11 November 2021 (11.00-12.00)

[IES: Land Condition Symposium 2021](#)

Manchester or online, 16 November 2021

[KTN: Connecting for Climate Change - Unleashing innovation post COP26 series](#)

[Decarbonisation](#), 17 November 2021; [Circular Economy](#), 24 November 2021; [Resilient Places](#), 1

December 2021; [Enabling Action](#), 8 December 2021

[E3B Metals in Biology: Cleaning up biocatalysis with hydrogen: from recycling NADH and flavin cofactors for biotechnology to spin-out of HydRegen Ltd and beyond](#)

18 November 2021

[Biovale: The Future of Digestate Use on Farmland](#)

23 November 2021

[EBRI: Master Class: Sustainability, Energy and Bioproducts](#)

Shrewsbury, 23-24 November 2021

EBNet: ["Wastewater Monitoring for Public Health: Research from the Environmental Monitoring for Health Protection \(EMHP\)"](#) by Dr Jazz Grimsley, UK HSA.

25 November 2021 (12.00-13.00)

[Kemira: Primary treatment – new opportunities for sustainability](#)

1 December 2021

[BBSRC: University Spinouts and Venture Capital Funding in Synthetic Biology](#)

3 December 2021

[International Conference on Biotechnology for Resource Efficiency, Energy, Environment, Chemicals and Health](#)

1-4 December 2021 (Abstract by 31 August 2021)

[HVBNet: Early Career Researcher Meeting](#)

York, 9 December 2021

[Global Research and Innovation in Plastics Sustainability conference \(GRIPPS\)](#)

Online, 15-17 March 2022. (Abstract by 3 December 2021.)

Funding

Funding opportunities for academia and industry are highlighted below.

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



[Supergen Bioenergy Hub](#)

Why not check to see if your University is a [member](#) of SUPERGEN? If so, it may be worthwhile joining their SHARE hub for Early Career Researchers. Funding is available now for [Bursaries](#),

[Secondments and Rapid Response funding](#).

[BBNet: Business Interaction Vouchers](#)

Open call

[NBIC: Flexible Talent Mobility Accounts \(FTMA3\)](#)

14 November 2021

[BBSRC: Bioinformatics and biological resources: 2021](#)

17 November 2021

[HVB: Proof of Concept Awards](#)

23 November 2021

[BBSRC: Purchase mid-range equipment for biosciences research: ALERT 2021](#)

25 November 2021

[Innovate UK: Farming Innovation Programme: small R&D partnership projects](#)

1 December 2021

[Ofwat Innovation Fund](#)

[Water Breakthrough Challenge Catalyst Stream](#) - 8 December 2021

[Water Breakthrough Challenge Transform Stream - Stage 1/2](#) - 16 November 2021 / 8

February 2022

[FEMS Research and Training Grants](#)

1 January 2022

[Innovate UK smart grants: October 2021](#)

5 January 2022

[The European Research Council's \(ERC\) work programme: Starting Grant/](#)

[Consolidator Grant/ Advanced Grant/ Synergy Grant](#)

Deadlines from: 13 January to 10 November 2022

[HORIZON EUROPE Cluster 6: Food, Bioeconomy, Natural resources, Agriculture & Environment – Round 2](#)

15 February 2022



Jobs, Training, Awards & PhDs

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

Training

[Cloud-SPAN Genomics course – on the foundations of Genomics and](#)

[Bioinformatics](#) - University of York / the Software Sustainability Institute. Free online. 22-25 November

2021

[IChemE: Practical Process Engineering](#) - Birmingham - 7 March 2022

[CL:AIRE eLearning Portal](#) - various

Awards and Competitions

[RSC Prizes - Horizon; Research & Innovation; Inclusion & Diversity; Environment, Sustainability & Energy Division Early Career Award etc.](#) - Nominations open November 2021

[Royal Society Rosalind Franklin Award and Lecture](#) - Nominations open November 2021

[The Rushlight Awards: various](#) - 31 March 2022

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

Research Associate in Fungal-based Biogeotechnologies - University of Strathclyde - 15 November 2021

Biofoundry Manager - Earlham Institute - 25 November 2021

[BBSRC: Strategy Advisory Panel](#) - Expression of Interest by 2 December 2021

[BBSRC: People and Talent Strategy Advisory Panel \(Researcher Subgroup\)](#)

- 15 December 2021

PhDs (see [FindaPhD](#))

Factors controlling microbial nitrogen cycling and nitrogen pollution from farm to coast - University of Plymouth - 12 December 2021

Metabolic engineering to produce novel natural products as tools for understanding response to environmental changes - University of St Andrews - 16 December 2021

Bioengineering novel platforms for one-pot plastic upcycling - University of Edinburgh - 16 December 2021

Integrating digital modelling technology to advance biowaste valorisation process design - The University of Manchester - 21 January 2022

Publications

[Exploration of mechanisms for calcium phosphate precipitation and accumulation in nitrifying granules by investigating the size effects of granules](#)

Liu, Y.Q. and Cinquepalmi, S.
Water Research, p.117753. (Available until 9 Dec 2021)

[Response and oil degradation activities of a northeast Atlantic bacterial community to biogenic and synthetic surfactants](#)

Christina N. Nikolova, Umer Zeeshan Ijaz, Clayton Magill, Sara Kleindienst, Samantha B. Joye & Tony Gutierrez
Microbiome volume 9, Article number: 191 (2021)

[Remobilization of pollutants during extreme flood events poses severe risks to human and environmental health](#)

Sarah E.Crawford *et al.*
Journal of Hazardous Materials. Volume 421, 5 January 2022, 126691

Still here?

Have you found any effective non-academic methods of smuggling EB into popular culture?

New to the shelves is "[Habitat Man](#)" by Denise Baden - Professor of Sustainability at the University of Southampton. Her research has established that stories that smuggle in green solutions in an otherwise mainstream story are an effective way to inspire those who wouldn't usually engage with environmental issues. Denise is the architect of the

successful [Green Stories](#) writing competitions. Inspired by a real-life green garden consultancy, run by Transition Southampton, this eco-themed rom-com artfully combines comedy, fiction and science to foster green solutions. Habitat Man is her first novel.

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