

# *November 2022*



*President: Prof. Christine Foyer, BSc, PhD*

## *‘Promoting Applied Research in Agriculture, Horticulture and Food Science’*

*Association of Applied Biologists, Warwick Enterprise Park, Wellesbourne, Warwick CV35 9EF, UK  
Registered Charity No. 1195899; <http://www.aab.org.uk>*

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# *OUR Mission*

"To promote the study and advancement of all branches of Biology and in particular (but without prejudice to the generality of the foregoing), to foster the practice, growth and development of applied biology, with a focus on the application of biological sciences in the production of food, materials and energy, and for the maintenance and improvement of earth's environment"

## *AAB Executive Council Members*

Officers of council have been elected to administer the efficient running of the association. They adhere to working rules with each of the council members having specific roles. Those roles are also shown by task area.



**CHRISTINE FOYER PhD**

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# **AAB Quick Links!**

**AAB Council**

**AAB Conference**  
**Calendar**

**AAB Specialist**  
**Groups**

**From September 2022 AAB Early Career Professional members will have FREE Online registration to ANY AAB-organised hybrid event!**

**AAB ECP non-members will pay a nominal fee (£5) for access and also gain free membership!**

**We aim to broaden our impact!!**



ASSOCIATION OF APPLIED BIOLOGISTS

# Congratulations

**Professor NICOLA SPENCE CBE**

*Chief Plant Health Officer, DEFRA, York, UK*

*Association of Applied Biologists Trustee*

**2022 New Year Honours**

**Commander of the Most Excellent Order of the British Empire (CBE)**

Professor Nicola Spence Investee, received the CBE from His Majesty King Charles III at Windsor Castle on the 16<sup>th</sup> November 2022, for services to plant health:

*'It honours all my colleagues in the UK Plant and Bee Health Service who work so hard to protect our nations plants, trees and bees from damaging pests and diseases'*



## Annals of Applied Biology First Author Profile

- Name: **Ing. Zuzana Kubíková, Ph.D.**

- Current Workplace: Agricultural Research, Ltd.,  
Zahradní 1, 664 41 Troubsko, Czech Republic;



Kubíková, Z., Hutýrová, H., Smejkalová, H., Kintl, A., & Elbl, J. (2022). **Application of extended BBCH scale for studying the development of *Phacelia tanacetifolia* Benth.** *Annals of Applied Biology*, 181( 3), 332– 346.

<https://doi.org/10.1111/aab.12779>

- **How did the authors organise the research project published in this article in Annals:**

Agricultural Research, Ltd. is specialized mainly on forage and catch crops. We focus on leguminous and other dicot species such as *Phacelia* ssp. The research project, from which our publication originated, was focused on *Phacelia* cultivation methods. We studied *Phacelia tanacetifolia* growth and development depending on the date of sowing. For the purposes of our work, it was necessary to precisely define individual development stages. At the beginning we used general BBCH scale. In this scale, the description of developmental stages of *Phacelia tanacetifolia* was not accurate enough. Therefore we used our results and experience with this species and created a specific BBCH scale for the purpose of studying and description of *Phacelia tanacetifolia* developmental stages.

**- Describe your scientific journey:**

My scientific journey started very early. Even as a child I was interested in nature and all living things. I was interested not only in plants, whose beauty I could not yet fully appreciate, but also in animals. My interest in animals, especially their breeding and ethology, brought me to the Secondary school of agriculture in Žilina near Nový Jičín. There, a deeper knowledge led me to plants and to an understanding of how interesting and important plants are. I continued studying plants and their cultivation at the Mendel University of Agriculture and Forestry in Brno. I studied there for eight years and during my Ph.D. studies I focused more on morphology and plant physiology. After finishing my studies, I started to work in Agricultural Research, Ltd. where I continue to study plant morphology, physiology, plant protection and cultivation methods.

**- What do you do for entertainment away from the lab/field:**

I like my job, but sometimes I like to take a break from it. I like my family and I spend a lot of time with them. We like to go on trips to nature and visit interesting places and monuments. My hobbies are drawing, writing and reading. I like to cook, but I'm not a very good in it. That's why I like simple recipes that can't go wrong.

## **AAB Presidential Forward Look Conference: Nature-based and applied biology solutions to climate mitigation**

Professor Christine Helen Foyer BSc. PhD. FRSBiol  
President of the *Association of Applied Biologists*

*School of Biosciences, University of Birmingham, Edgbaston  
Birmingham B15 2TT, UK*

The inaugural Presidential Forward Look Conference held at Rothamsted Research brought together sessions from interested AAB groups, who provided updates on progress and discussed ways to produce an integrated and unified road map for nature-based solutions climate mitigation. In this way, AAB supported and contributed to COP27 activities, supporting countries that are adopting ambitious climate change mitigation and adaptation targets associated with improvements in the food system. For the agri-food sector, the challenge of net zero is arguably the hardest amongst the global economy. Agriculture is directly responsible for up to 8.5% of all greenhouse gas emissions, with a further 14.5% coming from land use change (mainly deforestation in developing countries). Such emissions vary across different agricultural and food value chains with some animal-based food chains emitting significantly more than many plant-based chains. The Conference, which was attended by over 50 in-person participants, together with over 80 online, considered recent advances in the discovery-innovation-translation pipeline that leads to the production of future crop, grassland and forest species to meet the requirements for future agriculture and silviculture. While few significant governmental steps have as yet been taken towards mitigating agricultural greenhouse gas emissions, it was clear that the current scientific knowledge and technology advances identified at the Conference have the potential to make a significant contribution to these aims.

The presentations included authoritative accounts of the areas of interests of the three inaugural Presidents Medal winners for 2022. **Professor Dirk Inze** was honoured for his outstanding contribution to science advocacy as well as plant science, particularly the foundation and leadership of EU-SAGE, which has actively engaged with policy makers to provide crucial information on innovative plant breeding techniques such as genome editing.



Professor Dirk Inze receives the AAB Presidential Medal from AAB President Professor Christine Foyer.



## ASSOCIATION OF APPLIED BIOLOGISTS

**Professor Vivienne Anthony** was honoured for her contributions to commercial international agribusiness, starting with her role in the ICI research team at Jealott's Hill, UK, that discovered azoxystrobin and more recently in the not-for-profit sector seeking to create a brighter future for pre-commercial smallholders in developing countries.

**Professor Tina Barsby** was honoured for her significant contributions to the agricultural crop sector and global food security, working firstly for the Limagrain group and later as the CEO of the National Institute of Agricultural Botany.

**Professor Peter Shewry** was awarded a Presidents Medal for his lifetime dedication and significant contributions to the improvement of the productivity and nutritional quality of wheat and other major cereal grains. Peter, who is a past President of AAB, is a steadfast pioneer in the field of applied biology.

Taken together, the presentations of the Presidents Medallists not only provided a vivid account of their achievements and success, but also the formidable power of applied biology to revolutionise agroindustry in order to achieve food security and effectively address the challenges of climate change.

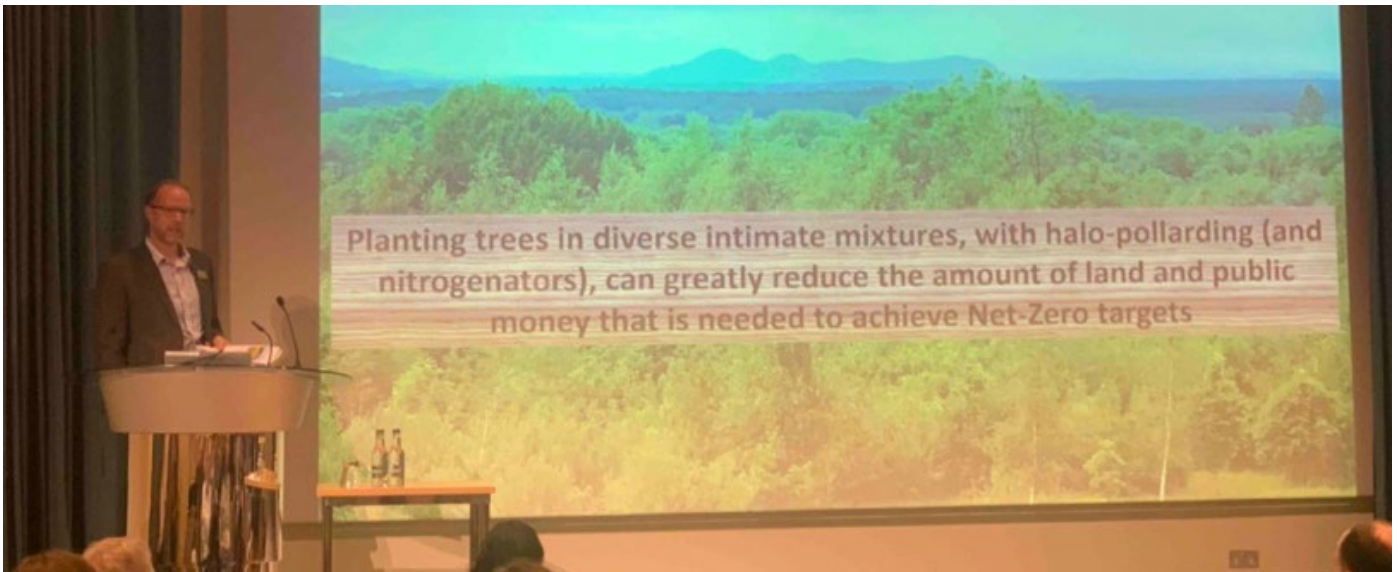
Expertise was garnered from a wide cross section of the Agriscience and viticulture communities, covering key areas of climate science, such as the enhancing the efficiency of photosynthesis to improve yield and the role of forests in climate mitigation. Experts in root and shoot physiology, specialized metabolism and stress tolerance traits in current crops and underutilised crops, were joined by those studying rhizosphere nitrifying communities and different cropping systems to provide up to date information and personal perspectives on current challenges and opportunities for diversifying agriculture to address climate change. Each presentation was followed by a lively and interactive discussion that highlighted not only the wide enthusiasm for the topic but the enormous gaps in knowledge that still exist.



AAB Presidential Medal Professor Tina Barsby



AAB Presidential Medal Professor Peter Shewry



In the Silviculture session, Steve Spencer from the Norbury Park Estate discussed the evidence for the use of mixed woodlands in future planting.

Taken together, the presentations at this Conference outlined the important roles of agriculture and forests in climate mitigation and provided indications of how advances in applied biology can make a significant contribution to road map to net zero. This conference illustrated how the application of basic science innovations will provide essential advances, while avoiding associated habitat and biodiversity loss, that will ensure climate change resilience.

Christine Foyer, 28/11/2022

# International Advances in Plant Virology 2022

## Hybrid event hosted in Ljubljana, Slovenia. 5<sup>th</sup>-7<sup>th</sup> October 2022

AAB were delighted to award a number of travel grants to support attendance of IAPV22 in Slovenia. Here is a selection of reports from grant awardees.

**Name of Grant Recipient: Maryam Khalili, [maryam.khalili@inrae.fr](mailto:maryam.khalili@inrae.fr)**

### Meeting Highlight: Carolyn

Malmstrom keynote speaker talked about the relationships of wild plant viruses and their host. Virulence actually is a relationship. The impact of viruses on plants is a function of genes, the environment, and the interaction between them. The experiment was conducted for maize rayado fino virus and switchgrass mosaic virus. The host genomic study showed the indication of both viral pathogenicity and the complexity of these

host interactions. GWAS of disease over the 4 years supported the pathogenicity relationship of the virus and host by increasing SA and decreasing JA as in some other pathogens like TMV and TYLCSV. When the plants are grown in nature, not in the pot the disease persistence was compatible with multi-year host fitness. Based on the experiment as the disease is developing over the years, we expected to have less fitness at the highest level of infection and vice versa. Instead, the results showed there was a pick of fitness at the more moderate level of infection not the least level of infection.



The question raised was whether it is a balance between the cost of susceptibility and the resistance. And the pick **maybe** is a balance between the immune response plus the ecological benefits. To study a larger scale ecological interaction, a ten-year survey illustrated that the lower productivity sites have a higher viral prevalence and the higher productivity sites have a lower viral prevalence. So, the other question was how the genetics of the plant affect the results. Tetraploids that are less susceptible to viruses and octoploids that are highly susceptible to viruses in diverse environments demonstrated the durable resistance phenotype showing the importance of genetics. Another survey was carried out to investigate the monoculture versus the competition of plants in the environment to see how the community composition is going to change the results. The take-home message is that the long-term ecological field experiments show that the wild viral disease exists in wild plants and is influenced by host genes, organismal and within-plant dynamics, and ecological interactions.

I found the meeting in general quite well organized and what I appreciated the most was being very on time in terms of starting and ending each section. I also liked the vegetarian menu. I would like to spend more time on the poster section but I almost had one night because the other night we went to the restaurant and found it challenging to benefit from every poster presentation.

**Acknowledgements:** INRAE and SFP in France



**AAB were delighted to award a travel grants to support attendance of Biocontrol and IPM group meeting at the Olde Barn Hotel, Lincolnshire.**

**Name of Grant Recipient: Elizabeth Njuguna**, International Centre for Genetic Engineering and Biotechnology (ICGEB) Cape Town, Elizabeth.Njuguna@icgeb.org

**Meeting Highlight:** One of my highlights was meeting in person and chatting with team members from Centre for Agriculture and Bioscience International (CABI) with whom our institution, ICGEB, signed a sponsorship agreement to support the development of CABI Bioprotection Portal, a global information resource of registered biocontrol and biopesticide products. It was great chatting about CABI's involvement in fall armyworm and desert locust control in sub-Saharan Africa and the challenges therein.



Elizabeth presents her short poster talk

It was interesting to learn about the UK biopesticide regulatory system, especially the two-step process of first registering the active ingredients and later the product. Also, learning of the bottlenecks in their biopesticide regulatory process, some which are similar those in sub-Saharan Africa's, and the propositions / efforts to resolve them during the discussion session. Another highlight was leaning how the USA government facilitates the regulatory approval of 'latest generation emerging technologies' active ingredients of biological control products through the IR-4 project. This is a classic system which governments/ regulatory bodies in sub-Saharan Africa can adopt to promote new active ingredients especially from the small or medium scale biocontrol products industry entrepreneurs.

I appreciated the balance in the meeting, a mix of participants and presenters from different biocontrol/ IPM sectors including government, research, regulatory, industry, farmer. This mix enriched the feedback provided during the Q and As and the discussion session.

**Acknowledgements:** I would like to acknowledge the funding from the South African National Research Foundation Travel Grant, AAB Early Career Professionals Travel Grant and the supplementary funding from my institution, ICGEB Biopesticides Group.

# ASSOCIATION OF APPLIED BIOLOGISTS

## FORWARD CONFERENCE PROGRAMME 2022-23

Date	Title Location Organisers Website	Specialist Group and Affiliates
8 December 2022	<b>Advances in Nematology</b> Venue: Linnean Society, London STEVE EDGINGTON <a href="https://event.me/NvIOnx">https://event.me/NvIOnx</a>	NEMATOLOGY
March 2023	<b>HortQFL_AAB Network meeting</b> Venue: Cranfield, UK CAROL WAGSTAFF, LEON TERRY, JANE BRADBEER Under discussion	HORTICULTURAL QUALITY
25-26 April 2023	<b>Regenerative Agriculture – Understanding the Opportunities and Challenges</b> Venue: York, UK KATE SMITH, KAIRSTY TOPP CHARLOTTE WHITE, HARRY HENDERSON <a href="https://event.me/dPQGKR">https://event.me/dPQGKR</a>	CATE, SOIL
10-11 May 2023	<b>Targeted Application, Spray Technology &amp; Authorisation workshop</b> Venue: WICC, Wageningen, the Netherlands JAN VAN DE ZANDE <a href="https://event.me/B8mvlW">https://event.me/B8mvlW</a>	PESTICIDE APPLICATION
20-22 June 2023	<b>Long-term Experiments: Meeting Future Challenges</b> Venue: Rothamsted Research, UK KAIRSTY TOPP, CHLOE MACLAREN, RICHARD OSTLER, MIKE GREGORY <a href="https://event.me/ramyG1">https://event.me/ramyG1</a>	CATE
27-29 November 2023	<b>Creating Canopy: The biology and practice of establishing trees and woodlands for people and nature</b> Venue: University of Nottingham, UK AMANDA RASMUSSEN <a href="https://event.me/g7VdrO">https://event.me/g7VdrO</a>	APPLIED TREE AND FOREST BIOLOGY
Summer 2026	<b>International Conference on Photosynthesis Research</b> Venue: Liverpool, UK CHRISTINE FOYER, ALEXANER RUBAN, CONRAD MULLINEAUX, GUY HANKE <a href="#">Website to come</a>	ALL

[Submit Your Abstract Here](#)

**aab**

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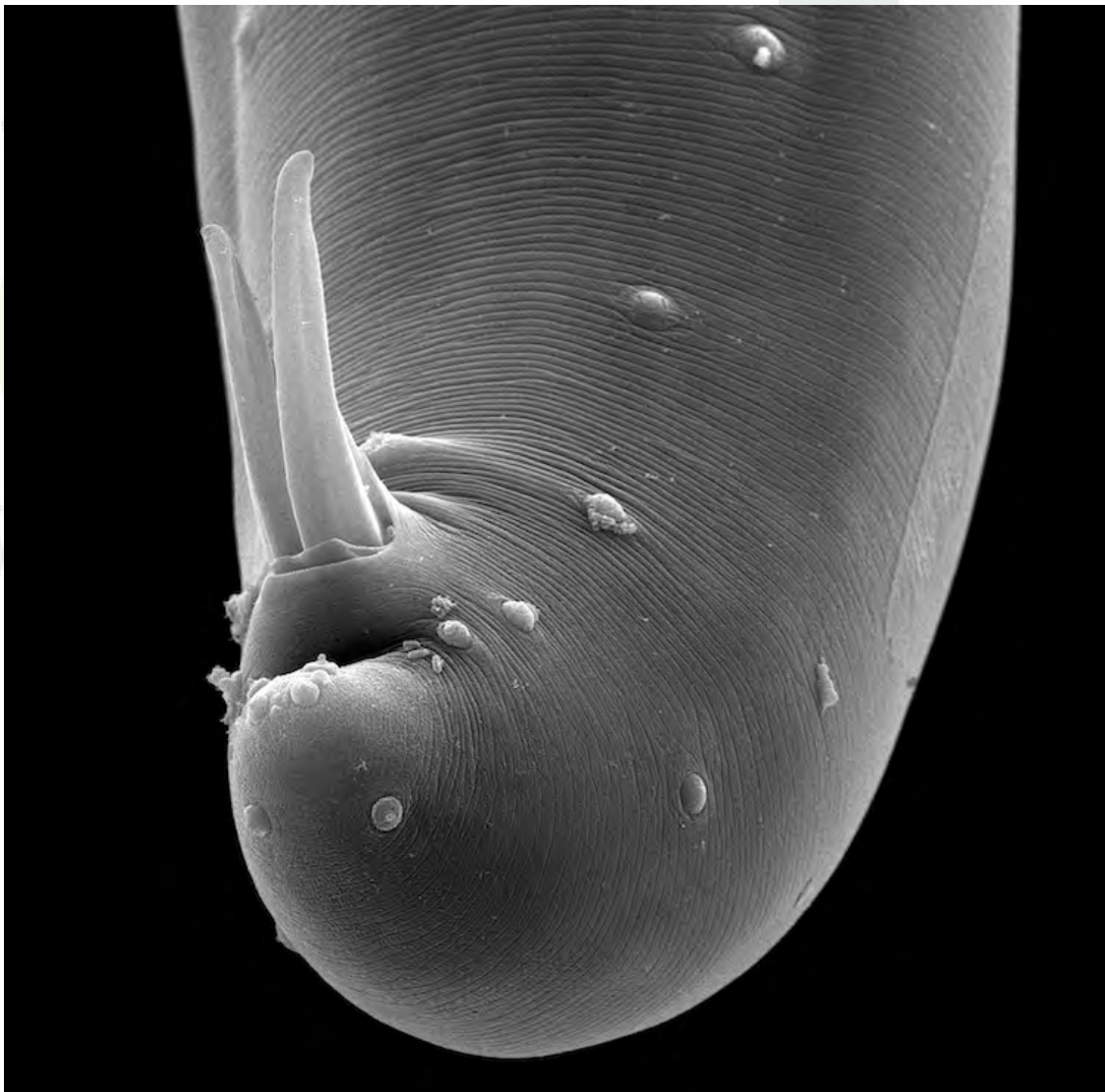
*President: Professor Christine Foyer*

# **Advances in Nematology 2022**

**One-day Hybrid event hosted online and  
at *The Linnean Society* in central London**

**8<sup>th</sup> December 2022**

[Event website](#)



Photograph supplied by Steve Edgington, CABI International, UK

**Online registration still available**

# Regenerative Agriculture – Understanding the opportunities and challenges

Hybrid event hosted at Hilton York in York City Centre

25 – 26 April 2023

[VISIT EVENT WEBSITE](#)

There is no single definition of “**regenerative agriculture**”, with interpretations varying between practitioners; but it can broadly be defined as “an approach to farming that uses soil conservation as the entry point to regenerate and contribute to the delivery of food production and other ecosystem services”. In practice, regenerative agriculture can be broken down into 5 key principles: **1) reduced soil disturbance; 2) retention of green cover; 3) retention of living roots in the soil; 4) crop diversification 5) integration of livestock into rotations.**

It is recognised that there is a need to bring together the **scientific evidence** supporting the implementation of regenerative agriculture, to help evaluate the potential benefits and challenges for food production, the environment and farm profitability, across different agroclimatic zones and farming systems. This conference will bring together researchers, consultants, farmers, agronomists and students to share research findings.

We invite **abstracts** that address the impact of regenerative farming on: soil, water & air quality, crop performance, pest management, farm economics and greenhouse gas balances & biodiversity and social barriers to uptake. Submitted abstracts can address either regenerative practices (e.g. crop residue retention, cover crops or companion cropping, reduced tillage, use of organic manures, diverse rotations), or whole system approaches (e.g. integrating livestock into rotations, integrated pest management, mob grazing or farm case studies).

**SUBMIT AN ABSTRACT by February 15th 2023**

<https://www.aab.org.uk/conferences/submit-an-abstract/>

**Registration opens on January 1st 2023**



Rothamsted Conference Centre, 20<sup>th</sup>–22<sup>nd</sup> June 2023

## Long-term experiments (LTEs): meeting future challenges

Join us for a conference showcasing the unique contributions made by LTEs to advancing agricultural sustainability and resilience! For abstract submissions and more information, see <https://cvent.me/ramyG1>

**Session topics include** • future farming systems • soil health  
• climate • nutrition • multi-LTE research • data management  
• design and data analysis • tools and sensors

**Keynote speakers** • Jorgen Eivind Oleson • Christine Watson  
• Andrew Neal • Christian Thierfelder •



Date	Title Location Organisers Website	Specialist Group and Affiliates
20-22 June 2023	<b>Long-term Experiments: Meeting Future Challenges</b> Venue: Rothamsted Research, UK KAIRSTY TOPP, CHLOE MACLAREN, RICHARD OSTLER, MIKE GREGORY <a href="https://cvent.me/ramyG1">https://cvent.me/ramyG1</a>	CATE

## [Submit Your Abstract Here](#)

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 Registered Charity No. 1195899; <http://www.aab.org.uk>  
 Tel: +44 (0)2476 999485 Email: [John@aab.org.uk](mailto:John@aab.org.uk)

# AAB to play a leading role at the Global Plant Council

The Global Plant Council (GPC) is a vibrant community of plant scientists that provides an avenue for networking and collaboration. Currently the GPC is a coalition of 28 member organisation across the globe. As a member of the GPC, organizations become part of a 'global network' of plant, crop, agriculture and environmental researchers that are assisting the GPC to reach its mission



**To promote plant science across borders and disciplines: the GPC supports those involved in plant science research, education and training and to increase awareness of the key role of plant science in society.**

GPC features organisation information on the extensive GPC webpage and promotes activities through social media. All members have their own section devoted to their organization in our website, tailored to their needs.

GPC is very active social media with ~30K cross-platform followers and a website updated daily featuring global plant science stories.

- [@GlobalPlantGPC](#)

- <https://www.linkedin.com/company/globalplantcouncil>

## Current GPC initiatives include:

- Lead a working group on digital sequence information (DSI) obligations to respect ABS rights. <https://globalplantcouncil.org/activities/challenges/dsi-wg/>

- Host an Early Career Researcher (ECRi) network that includes a monthly digest of available global jobs in plant science. <https://globalplantcouncil.org/ecri/>

- Host regular webinars and events on a variety of global topics relevant for plant scientists.

GPC activities are overseen by a Board of Directors that is led by a President, Chairman and Treasurer. The **AAB Executive Officer Geraint Parry** has been elected as the new President with a term of three-years.

We encourage all AAB members to interact with the GPC. This might be through interacting with their monthly #plantscijobs twitter storm, suggesting a possible workshop or by writing an article for the GPC website that is relevant to their work. This provides an excellent opportunity for members to promote their work to a global audience.

Please check out the [Global Plant Science website](#).



Map of GPC current members

12<sup>th</sup> INTERNATIONAL CONGRESS ON PLANT PATHOLOGY



**ICPP**  
**2023**

**ONE HEALTH**  
for all plants,  
crops and trees



**20-25 August, France**



[www.icpp2023.org](http://www.icpp2023.org)



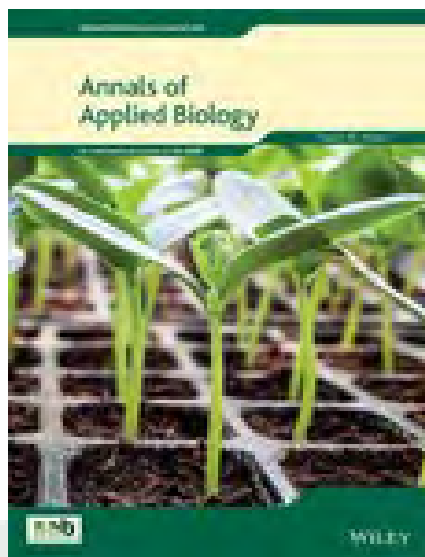
The International Society for Plant Pathology & the French Phytopathological Society

**CALL FOR ABSTRACTS**

**REGISTRATION**

# AAB Journals: New Issues Now AVAILABLE

Click on the links below to view the latest issues of our scientific journals. Remember that you will need an annual subscription to view our *Annals of Applied Biology* content so please contact Bernadette (bernadette@aab.org.uk) in the AAB Office if you are interested!



*Annals of Applied Biology*

Vol. 181 Iss. 3

November 2022



*Plant Biotechnology Journal*

Vol. 20 Iss. 12

December 2022



Royal Society of Biology

Plant Science Group

The Association of Applied Biologists is a member of the Plant Science Group of the Royal Society of Biology. The AAB Executive Officer is the current Chairperson of the group.

This group publishes an excellent monthly [Plant Science Newsletter](#) that anyone can sign up for [here](#)..

Members of the RSB are eligible for a 50% DISCOUNT on AAB membership.

PLEASE CONTACT [Alberto Vitale](#) to take advantage of this membership offer.



BCPC

British Crop Production Council (BCPC) Newslink: [CLICK HERE](#)

## The AAB NewsHub

A dedicated section for generic news content which we believe will be of significant interest to our members and their peers, for every single newsletter that we release. These articles may range from blogs, or discussion topics right the way through to some professionally published content.

We will continue to scout around for the latest news but as always, we are more than happy to receive additional content from our readers... If you come across an article or a newspaper column which you think would be of interest to our members please feel free to send it to John (john@aab.org.uk)

[Businesses warn research cuts will stall UK economy](#) (BBC)

[How solar farms in space might beam electricity to Earth](#) (BBC)

[Endangered moth sees resurgence in Blandford Forest](#) (BBC)

[Why Kenya is turning to genetically modified crops to help with drought](#) (BBC)

[How cashew nuts help cut forest's plastic waste](#) (BBC)

[How flowering plants beat bloom-free gymnosperms to world dominance](#) (New Scientist)

[Data supplement to the Global Carbon Budget 2022](#) (ICOS)

[Earth's Albedo 1998–2017 as Measured From Earthshine](#) (Geophysical Research Letters)

[Superbug fight 'needs farmers to reduce antibiotic use'](#) (BBC)



ASSOCIATION OF APPLIED BIOLOGISTS

## [Membership Rates 2023](#)

### Membership Type

<b>Full</b>	£62.00
<b>Retired</b>	£31.00
<b>ECP (Early Career Professionals) and Student Membership</b>	£20.00

### Members can also receive

#### *Online Annals of Applied Biology at a reduced rate*

<b>UK*</b>	
<b>Rest of the world</b>	£77.82
<b>*VAT included</b>	£64.85

For any membership enquiries please feel free to contact Alberto in the AAB Office by email at:  
alberto@aab.org.uk

# Why Should I Join the AAB?

- A forum for applied biologists worldwide: Network with the best in your specialism
- Discounted registration fees for our regular scientific conferences and workshops across the AABs research interests
- Eligible to apply for [FESPB short term mobility grants](#) (up to €3000)
- Preferred eligibility when applying for [AAB ECP Travel grants](#)
- Eligible to apply for the '[AAB Carer Fund](#)' £500 accessibility grants
- Opportunities to interact with the Global Plant Council
- Two-way membership discount with the [Royal Society of Biology](#). Members of either society receive a 50% discount membership of the other! [More RSB details here](#).
- 30% discount on publications in our *Aspects of Applied Biology* series
- 20% reduction in publication fees for [Plant Biotechnology Journal](#) -> valued at £100s. Contact Geraint (geraint@aab.org.uk) to obtain the discount code

## *Aspects of Applied Biology* Marketplace

*Aspects of Applied Biology* is a series of conference proceedings produced by the Association from some of our organised events. Each issue of *Aspects* is produced in advance of the relevant conference. *Aspects* articles DO NOT go through a full peer-review process but are thoroughly proofed and edited accordingly to ensure scientific validity. *Aspects* are available after the conference and are a valuable resource for those working or studying in the relevant field or even for those purely interested in the content.

**Postage costs may work out cheaper for multiple purchases.**

**For our full list of *Aspects of Applied Biology* [click here](#)**

If you wish to purchase a book which does not appear on the list or require information on multiple purchases, please contact Bernadette (bernadette@aab.org.uk) for a price.

## **Association of Applied Biologists Early Career Professional Travel Grant Application Form**

Grants are available to all students or early career professionals (ECP, defined as being within 10 years of leaving full time education) to attend AAB events to provide a poster or oral presentation. Recipients do not need to be a member of the Association. Allowances are restricted to standard class flights, rail or bus fares (using a rail card if available). All grants are discretionary.

Applications must be made at least **2 months** before the meeting, to the AAB Executive Officer (EO) Geraint Parry at [geraint@aab.org.uk](mailto:geraint@aab.org.uk). The application will be assessed by the EO and AAB Council

Payments will be made on submission of receipts after the event but on rare occasions up-front payments are possible if deemed essential by the AAB EO and Council.

For further information: [CLICK HERE](#)

## **Association of Applied Biologists Carer Fund Application Form**

The AAB wants to provide opportunities for anyone to attend their events, irrespective of their personal circumstances. We understand that this might require financial assistance that is unavailable through conventional travel grants.

The AAB has started the 'AAB Carer fund' that is open for applications from **AAB members**, who require additional help to attend either live and virtual AAB events. Each application will be judged on their individual merit but might be used for childcare, support care of elderly or disabled adult relatives or for personal use to facilitate accessibility needs (travel, audio-visual, personal help).

We have **£500 available** for each application associated with each event. Please return this form to the AAB Executive Officer (EO) Geraint Parry at [geraint@aab.org.uk](mailto:geraint@aab.org.uk). The application will be assessed by the EO and the AAB Council.

Please submit the application at least **2 months** before the selected event, but early submission will be beneficial. Payments will be made on submission of receipts after the event but on rare occasions up-front payments are possible if deemed essential by the AAB EO and Council.

For further information: [CLICK HERE](#)

The AAB are delighted to have become a member of the Federation of European Societies of Plant Biology (FESPB)

FESPB aims to advance research, education, and the exchange of information amongst plant biologists within Europe and beyond. <https://fespb.org/>



As part of a FESPB affiliated Societies, AAB members are eligible to apply for these grants:

- **FESPB Awards to young European plant scientists.**

Two FESPB Awards for two young scientists selected by the FESPB Awards Committee from nominations put forward by each of the constituent Societies. Award are for €2000 and attendance to the FESPB congress.

- **Grants for short-term mobility for young researchers**

FESPB would offer short term mobility grants (up to €3000) for young researchers working with a group leader who is an AAB member.

- **Grants to attend FESPB Congress**

Support registration and accommodation at the FESPB congress. They will be open for AAB members or group members of AAB members.

Please contact Geraint Parry ([geraint@aab.org.uk](mailto:geraint@aab.org.uk)) about these opportunities

## Descriptions of Plant Viruses (DPV)

Over 400 individual descriptions of plant viruses or virus groups. Nos 1-354 were originally published in paper form by the Association of Applied Biologists (AAB) between 1970 and 1989, while additional descriptions have been added to a CD-ROM (also published by the AAB) since 1998. These can now be accessed from the indexes in the DPV menu or from the Taxonomy pages. New descriptions are being commissioned and will be added as they become available.

