

ASSOCIATION OF APPLIED BIOLOGISTS

President: Prof. Christine Foyer, BSc, PhD

The logo for the Association of Applied Biologists (AAB) is centered in a white oval with a green border. It features the lowercase letters 'aab' in a bold, green, sans-serif font. Below the letters, the full name 'ASSOCIATION OF APPLIED BIOLOGISTS' is written in a smaller, green, all-caps sans-serif font.

aab

ASSOCIATION OF APPLIED BIOLOGISTS

Newsletter

August 2021

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

AAB Specialist Groups:

Applied Mycology And Bacteriology

Biological Control and Integrated Pest Management

Cropping And The Environment

Food Systems

Nematology

Pesticide Application

Plant Physiology and Crop Improvement

Soil Biology

Virology

The Specialist Groups are the lifeblood of the Society. The majority of our events are generated from their areas of interest and the activities of their members. Each group is led by a Convener and includes members selected from across academic, government and industry. If you would like to be connected with a Specialist Group Convener please contact Geraint (geraint@aab.org.uk)

AAB 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.



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President

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Philippa Borrill
PhD

Early Career Scientist Champion

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ASSOCIATION OF APPLIED BIOLOGISTS



Interview with Carol Millman, former Executive Officer:
Association of Applied Biologists 1997–2021
Editorial Officer:
Annals of Applied Biology 1989–2021

Annals of Applied Biology

An international journal of the **aab**





ASSOCIATION OF APPLIED BIOLOGISTS



CLIVE ARTHUR TUDOR EDWARDS PhD (Wisconsin) DSc (Bristol) FRES FRSA FRSB

Clive Edwards died near home in Dublin, Ohio on 20th July 2021, aged 96 years. He was a longtime member of the *Association of Applied Biologists* (AAB) and a one-time member of Council. Latterly he was an Emeritus Professor of Entomology and Environmental Sciences at The Ohio State University.

Through nearly 60 years (split about equally between firstly the UK and then the USA) as a senior research scientist in the agricultural and environmental sectors, Edwards became a world leader in soil invertebrate zoology and ecology and environmental science. His few years' work in the advisory sector of the UK agricultural and horticultural industries in the 1950s led to his research on swift moths (Hepialidae), techniques for rearing Collembola, Symphyla and other soil-inhabiting arthropods, the breakdown of organic matter in soil and the biology and ecology of earthworms (in which he maintained a special interest for his entire career). By the time that Rachel Carson's book 'Silent Spring', first published in 1962, drew worldwide attention to detrimental effects of pesticides on non-target organisms, Edwards' pioneering research on effects of insecticides (especially) on soil invertebrates had already indicated hazards of some widespread agricultural practices. Those hazards then provided the framework for major aspects of future pesticide-registration protocols in the UK and overseas. Edwards' later research into soil ecology, the persistence and fate of pesticides in soil and environmental effects of broader agricultural practices underpinned his seminal considerations of environmental ecotoxicology and sustainable agriculture. They continue to underpin knowledge and understanding of aspects of the functioning of ecosystems in worldwide agriculture. Throughout his career, he maintained a particular interest in Symphyla for which he published taxonomic keys.

Born in Worcester, Edwards was awarded his Bachelor's (1951) and Master's (1955) degrees in Zoology at the University of Bristol; he was proud that in 1986 his *Alma Mater* awarded him his DSc degree. A major formative influence on Edwards' career was the time he spent (funded by a Kellogg Foundation Fellowship) in Professor Paul Lichtenstein's laboratory at the University of Wisconsin where he was awarded his MS degree in toxicology (in 1956) and PhD in entomology (in 1957). Edwards also acknowledged readily the usefulness throughout his career of the technical knowledge and practical skills he acquired whilst serving with the British armed forces.

Clive Edwards' career in the agriculture sector commenced in the late 1950s in the National Agricultural Advisory Service (NAAS, later to become ADAS) at Westbury-on-Trym, Bristol (where he became known to colleagues as 'Ticker'). His appointment to the Entomology Department at Rothamsted Experimental Station (now Rothamsted Research) in 1960 launched his research career. In addition to working partly with Dr Gordon Heath on the breakdown of organic matter in soil and with Dr Frank Raw on the ecology of earthworms, he developed his team researching effects on soil biota and the wider environment of agricultural practices (including pesticide applications and soil cultivations). He was a Senior scientist at Rothamsted for 25 years., with 2 years (from 1966–68) as a Visiting Professor at Purdue University. In 1985 he was appointed Chair for 5 years at the Department of Entomology at The Ohio State University, Columbus. He then remained an active member of the Department for over 20 years, developing his research interests (which included vermiculture in later years) with support from his many research students and contributing to the literature. He was in great demand from elsewhere in the USA and countries overseas for visits and lectures and was an organiser/co-organiser of 10 major international conferences.

Edwards was a keen traveller and enjoyed many consultancy assignments in Africa, America, Asia, Europe and English-speaking South Pacific island groups where he worked for agencies including FAO, UNDP, UNESCO, WHO, IAEA, USAID and UK-ODA. He was a prolific writer and authored more than 340 scientific papers. He also authored/co-authored/edited more than 25 books including 'Principles of Agricultural Entomology' (1964), 'Biology of Earthworms' (the first comprehensive book on earthworms since Charles Darwin's 'The Production of Vegetable Mould Through the Action of Earthworms' which was published in 1881; 1st edition 1972; 4th edition submitted to publisher in August 2021), 'Persistent Pesticides in the Environment' (2nd edition 1973), 'Environmental Pollution by Pesticides' (1973), 'Integrated Control of Soil Pests' (1976), 'Indian Soil Biology and Ecology' (1978), 'Pesticide Residues in the Environment in India' (1980), 'Earthworms in Waste and Environmental Management' (1988), 'Biological Interactions in Soil' (1988), 'Sustainable Agriculture Systems' (1990), 'Modern Techniques in Soil Ecology' (1991) and 'Agriculture and the Environment' (1993). He held numerous offices (including US National Science Foundation (NSF) Fellowship, NSF Senior Foreign Scientist Fellowship, The OSU's Research Fellow in the Center for African Studies, Chair of USAID Committee on Sustainable Agriculture, Co-organiser of World Sustainable Agriculture Association, Secretary of US Soil Ecology Society, Member of Administrative Council of North Central USDA Sustainable Agriculture Program, Member of Soil Biology committee of International Society of Soil Science, Member of National Research Council committee on Sustainable Agriculture), was Editor of seven scientific journals and was Technical Director of British Earthworm Technology (BET).

The diverse awards Edwards received for his professional accomplishments included the Symposium of Pesticide Chemistry Award (1974), the Pollution Abatement Award from the Royal Society of Arts and Confederation of British Industry (1984), a University of Helsinki Award (1985), the National Creative Programming Award of the Conferences and Institutes Division of the National University Continuing Education Association (1989), the BCPC Medal (2001) and the Michigan State Farming Systems Award (1990). He was recognised highly at The Ohio State University, receiving an International Outstanding Faculty award (1996) and a Distinguished Scholar award (1998). He gave the University's 2001 invited Distinguished Lecture, on 'The Future of Human Populations: Energy, Food and Water Availability in the 21st Century'.

Last but by no means least, Clive was a devoted husband (to Elvira), father to twins Colin and Alan (deceased) and Jacky, and grandfather to five grandchildren. He had a passion for antique cameras and stereo photography. He enjoyed field hockey and, as a member of the Bristol-based 'Westbury Bluebottles Club' (which he joined whilst at university), attended 50 of the annual Torbay Hockey Festivals (for only the first two of which he was living in Bristol) and he was a longtime 'Ohio State Buckeyes' fan. He was also, importantly to him, a dedicated patron of the 'Silver Cup' (Harpenden) and 'The Old Bag of Nails' (Dublin, Ohio).

Alwyn R Thompson ([AAB](#) President: 2002–2004)

Email: alwyn.thompson2@btinternet.com

AAB NEW WEBSITE ARRIVING SOON!



COUNCIL & STAFF ▾ SPECIALIST GROUPS ▾ CONFERENCES ▾ NEWS PUBLICATIONS ▾ MEMBERSHIP 🔍

Association of Applied Biologists

Members have access to AAB Travel and Carer grants, FESPB research grants, reduced meeting fees and more...

JOIN AAB / RENEW

WHY JOIN AAB?

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) about these opportunities

Conference Updates

#UKPlantSciPresents Webinar Series



The fourth season of the #UKPlantSciPresents webinar series runs from September 28th – December 7th 2021.

The series promotes excellence in UK plant science and each webinar features two speakers who present for 25 minutes allowing 10 minutes for delegate questions.

All webinars will be posted on the AAB YouTube channel. Past #UKPlantSciPresents can be viewed on the 'GARNet Community' YouTube channel. The webinars will be hosted using the AAB Zoom account, will be free to attend but pre-registration is required.

Tuesday September 28th 3pm BST:

- **Richard Mott** (University College London): Sharing encrypted genotypes and phenotypes to accelerate crop improvement
 - **Gabriela Toledo-Ortiz** (Lancaster University): Tomatoes for Tomorrow
- Register for free: https://us02web.zoom.us/webinar/register/WN_UoccEsf0Qb69EtxT-ynVnQ



Tuesday October 12th 3pm BST:

- **Rumiana Ray** (University of Nottingham): Fusarium, wheat and aphids – a toxic mix with fatal consequences.
 - **Jackie Stroud** (SRUC): The role of earthworms in regenerative agriculture: soil tillage decisions and pest-disease dynamics.
- Register for free: https://us02web.zoom.us/webinar/register/WN_ByM0eUJmRleWdq6-4X8hLw



Tuesday October 26th 3pm BST:

- **Stuart Casson** (University of Sheffield): Environmental control of stomatal development, TBC
- Register for free: https://us02web.zoom.us/webinar/register/WN_DiUixFdnSfe65SQDg26DAA



Tuesday November 23rd 3pm GMT:

- **Sarah Raffan** (Rothamsted Research): Genome-editing for low acrylamide wheat
 - **Matthew Back** (Harper Adams): Can cover crops be used to lower populations of plant parasitic nematodes of field crops?
- Register for free: https://us02web.zoom.us/webinar/register/WN_700H7Bw4RsqFLh7-29CvIQ



Tuesday December 7th 3pm GMT:

- **Eirini Kaiserli** (University of Glasgow): Integrating light and temperature signalling in Arabidopsis
 - **Anne-Marie Labandera** (University of Birmingham)
- Register for free: https://us02web.zoom.us/webinar/register/WN_IzOKALoqS8akuQXd73he6g



Conference Updates

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ASSOCIATION OF APPLIED BIOLOGISTS

President: Professor Christine Foyer

Crop production with reduced pesticide and fertiliser inputs without compromising yield and quality

Virtual meeting: October 13th-14th 2021
8:50am-1:30pm



Provisional Programme

Crop production with reduced pesticide and fertiliser inputs without compromising yield and quality

REGISTRATION is OPEN for this event

AAB Members: £10-£15

Non-Members: £15-£20

PROVISIONAL PROGRAMME

ASSOCIATION OF APPLIED BIOLOGISTS

President: Prof. Christine Foyer, BSc, PhD

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ASSOCIATION OF APPLIED BIOLOGISTS

UNIVERSITY OF
BIRMINGHAM

BIFOR
BIRMINGHAM INSTITUTE OF FOREST RESEARCH

Trees for the Future - Diversity and complexity for resilience and carbon storage

A two-day hybrid conference hosted online and live at the
University of Birmingham, UK*
03-04 November 2021



Coast redwood forest, North California: Image courtesy of Jo Bradwell, JABBS

PROGRAMME

Association of Applied Biologists, Warwick Enterprise Park, Wellesbourne, Warwick CV35 9EF, UK
Registered Charity No. 275655; <http://www.aab.org.uk>
Tel: +44 (0)2476 999485; Email: john@aab.org.uk

Trees for the Future - Diversity and complexity for resilience and carbon storage

**03-04 November 2021 Hybrid event
(Birmingham University, UK)**

PROGRAMME

On-site Registration £100-£175

Virtual Registration £10-£85

**Non-members will receive a free
AAB membership until the end of 2022**

REGISTRATION



Latest members communication [CLICK HERE](#)

Read the latest issue of Forestry and Timber News or re-visit last month's Confor e-newsletters

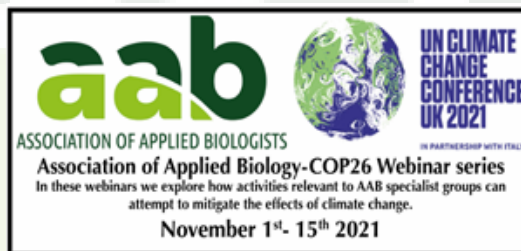
UNIVERSITY OF
BIRMINGHAM

BIFoR
BIRMINGHAM INSTITUTE OF FOREST RESEARCH

The Birmingham Institute of Forest Research (BIFoR)

[CLICK HERE](#)

Applied Biology and Climate Change AAB-COP26 Webinar Series: November 1st-15th



The COP26 Climate Conference is hosted in Glasgow in November 2021 and is (another) critical moment for humanity to establish policies to combat the myriad threats posed by climate change.

As a UK-based society the AAB will mark this important event by hosting a webinar series that looks at how applied biology is impacted by climate change and can play a role to mitigate its effects.

AAB will host **five coffee-time webinars** throughout the duration of COP26 between **November 1st-15th 2021**. We have invited experts in various fields of applied biology to explore how their specialism is impacted by climate change.

These webinars are hosted on zoom, begin at 11am (or 3pm) and will last for 45minutes, including questions. Registration is free and the entire series is available in single Zoom room.

https://us02web.zoom.us/webinar/register/WN_0Sh6Lzr1RBWAellWb49hZg

Monday November 1st 11am GMT: Luke Bell (University of Reading)

Friday November 5th 3pm GMT: Julie Law (Harnessing Plants Initiative, Salk Institute, USA)


Monday November 8th 11am GMT: TBC

Friday November 12th 11am GMT: Fred Otu-Larbi (Lancaster University)

Monday November 15th 11am GMT: Bob Rees (SRUC)




Conference Updates


ASSOCIATION OF APPLIED BIOLOGISTS
President: Professor Christine Foyer

Thinking differently about soil-borne disease management


A one day virtual conference on 10th November 2021



Photographs by kind permission of Dr Faye Ritchie, ADAS, Cambridge, UK

Programme available soon

Association of Applied Biologists, Warwick Enterprise Park, Wellesbourne, Warwick CV35 9EF, UK
Registered Charity No. 275655; <http://www.aab.org.uk>; Tel: +44 (0)2476 999486; Email: john@aab.org.uk


Association of Applied Biologists
Biocontrol & IPM Group
President: Prof. Christine Foyer

Improving Global and Local IPM

Hybrid event hosted online and live at the Olde Barn Hotel, Marston, UK
17-18 November 2021



Images from Eugenia Fezza and Keith Walters

Fall armyworm, *Spodoptera frugiperda*, larvae damaging a maize cob, image courtesy of www.fao.org

Programme available soon

[REGISTRATION](#)

[REGISTRATION](#)

ASSOCIATION OF APPLIED BIOLOGISTS

[Improving Global and Local IPM](#)

Special issue of *Annals of Applied Biology* planned for mid 2022 (Submission by 15/12/2021, details (submissions clarified as conference papers) to follow:

Contact Carol Millman carol@aab.org.uk)

17-18th November 2021, Hybrid event

Olde Barn Hotel, Grantham,
Lincolnshire, UK

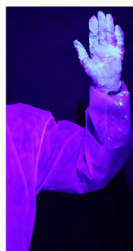
[REGISTRATION and FEES](#)

Conference Updates



President: Prof. Christine Foyer, BSc, PhD

International Advances in Pesticide Application



Association of Applied Biologists, Warwick Enterprise Park, Wellesbourne, Warwick CV35 9EF, UK
Registered Charity No. 275655; <http://www.aab.org.uk>
Tel: +44 (0)2476 999484; Email: Carol@aab.org.uk

International Advances in Pesticide Application

25th–27th January 2022
Chamber of Agriculture, North Rhine Westphalia, Germany

PROGRAMME AVAILABLE

IAPA2022 Per Gummer Andersen Award

The Per Gummer Andersen award is open to early career scientists to enable them to attend the IAPA2022 conference. The award is up to £1000 towards conference registration, accommodation and travel. Applicants should apply for this award by sending a copy of their curriculum vitae and a letter stating “why you think the award should be presented to them” to Tom Robinson at tom@tomrobinsonsprays.co.uk by 30 September 2021. The successful candidate will be informed of the committee’s decision by 15 October 2021.

Per had a passion for training – advisors, salespeople, sprayer operators and he held many many courses around the world. He had a special passion for those who work in the most risky environment; operators of knapsack sprayers in developing countries. He arranged his last course just two months before his death. The topic was, as always, safety and efficient plant protection, via a.o. certification and inspection of sprayers and training of operators and advisors. Mostly he was way ahead of the rest of us in discussions, thinking of details that he knew were important, but had to wait until the rest of us reached the same level...

About 10 years ago Per founded his own expert consultancy, Better-Spraying, where he continued work in standardisation, authored scientific papers and as consultant made practical test-work, arranged courses and produced training material.

Per was for decades, a member of European and International standardisation committees. He was a member of many Working Groups and also for some time, Chairman for the Working Group – Application Technology. He was also chairman for the Danish group for standardisation of sprayers, and a member of the AAB Pesticide Application group.

He had a strong belief in the importance of international standards for the industry. He often said that it is a lot better to have a standard to relate to that is not perfect, than being an actor on the market in a world with different conditions in different countries.

Via his work Per, throughout the years, developed an extraordinary knowledge, for example, in the phasing of implementation of the EU directive on sustainable use of pesticides, that was greatly requested. Work meant a lot to Per. In spite of his increasing handicap, he took part in the work of standardisation till the end. During the last two years he hosted a number of WG meetings in his home, the last just 2 weeks before his death.

ASSOCIATION OF APPLIED BIOLOGISTS

President: Professor Christine Foyer



Shaping the Future for Pollinators Innovations in Farmed Landscapes

ANNOUNCEMENT & CALL FOR PAPERS



A three-day conference at the
Cophthorne Hotel, Slough-Windsor
Postponed to 6-8 September 2022

Association of Applied Biologists, Warwick Enterprise Park, Wellesbourne, Warwick CV35 9EF, UK
Registered Charity No. 275655; <http://www.aab.org.uk>
Tel: +44 (0)2476 999485; Email: john@aab.org.uk

Shaping the Future for Pollinators: Innovations in Farmed Landscapes

6-8th September 2022, HYBRID EVENT
Cophthorne Hotel, Slough, UK



The World Bee Project

The World Bee Project The World Bee Project CIC uses Artificial Intelligence (AI), data analytics and the Internet of Things (IoT) to remotely monitor honeybees to research the pollinator and pollination crisis from a global perspective. It supports, connects and amplifies new technologies and scientific study to improve the health and wellbeing of bees and other pollinators. With thanks to Sabiha Rumani Malik, Founder and Executive President.

AAB FORWARD CONFERENCE PROGRAMME

2021

- 28 September onward **#UKPlantSciPresents webinar series**
Virtually via ZOOM. [REGISTER for FREE](#)
- 13-14 October **[Crop production with reduced pesticide and fertiliser inputs without compromising yield and quality](#)**
Virtually via ZOOM
(Cropping and the Environment groups)
- 1-15 November **AAB-COP26 webinar series**
Virtually via ZOOM
- 3-4 November **[Trees for the Future - Diversity and complexity for resilience and carbon storage](#)**
University of Birmingham; **HYBRID**
(AAB Multi Disiplinary, University of Birmingham, Bifor)
- 10 November **[Thinking differently about soil-borne disease management](#)**
Virtually via ZOOM
(Applied Mycology and Bacteriology group)
- 11 November **Decision Support Workshop**
Virtually via ZOOM
- 17-18 November **[Improving Global and Local IPM](#)**
Olde Barn Hotel, Marston, Lincs UK; **HYBRID**
(Biocontrol & IPM group)
- 14 December **Advances in Nematology 2021**
Linnean Society, London, UK
(Nematology group)

2022

- 25-27 January **[International Advances in Pesticide Application](#)**
Chamber of Agriculture, North Rhine Westphalia, Germany
(Pesticide Application Group)
- 9 March **[Closed Transfer Systems Workshop](#)**
Wrest Park, & Silsoe Spray Application Group, Silsoe, Bedford, UK; **HYBRID**
(Pesticide Application Group)
- 23-25 March **Agricultural greenhouse gas and ammonia mitigation; Solutions, challenges, and opportunities**
Macdonald Holyrood Hotel, Edinburgh
(Cropping and the Environment group/Scottish Government)
- 29-30 March **HortStresses: Understanding and managing biotic and abiotic stresses of horticultural crops**
University of Reading
(Plant Physiology and Crop Improvement group)
- 6-8 September **Shaping the Future for Pollinators: Innovations in Farmed Landscapes**
Cophthorne Hotel, Slough, UK
(Cropping and the Environment group/University of Reading/
British Ecological Society/Royal Entomological Society)

COVID-19

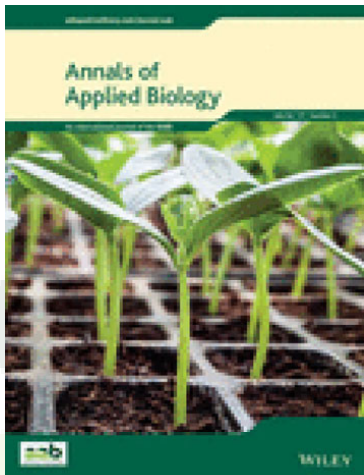
[COVID-19 Resource Centre](#) [The Lancet](#)

[Symptoms of long COVID](#)

[Origins of SARS-CoV-2: window is closing for key scientific studies](#) ([Nature](#))

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. 179 Iss. 2](#)

July 2021

2020 Impact Factors: 2.750



Plant Biotechnology Journal

[Vol. 19 Iss. 8](#)

August 2021



Royal Society of Biology

Plant Science Group

AAB is a member of the Plant Science Group of the Royal Society of Biology. This group publishes a monthly Plant Science Newsletter that anyone can sign up for and can be downloaded here:

Please [CLICK HERE](#)

Members of the *Association of Applied Biologists* are eligible for a two-year 50% discount on Royal Society of Biology membership

[Royal Society of Biology Membership](#)



BCPC

British Crop Production Council (BCPC) Newlink: [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)

- [The fungus and bacteria tackling plastic waste \(BBC\)](#)
- [COP26 'should be hybrid event' says former climate chief Figueres \(BBC\)](#)
- [Farm pesticides killing more bees – study \(BBC\)](#)
- [CFC ban bought us time to fight climate change, say scientists \(BBC\)](#)
- [Light pollution from street lamps linked to insect loss \(BBC\)](#)
- [Agrochemicals interact synergistically to increase bee mortality \(Nature\)](#)
- [Covid infection protection waning in double jabbed \(BBC\)](#)
- [Xylella fastidiosa \(EFSA\)](#)
- [Flashy Plants Attract More Scientists \(Scientific American\)](#)



AAB Membership Rates 2021

Membership Type	£
Full	62.00
Retired	31.00
Student	20.00
New Student Members Deal	*£5.00
<i>Get a FREE book from our Aspects of Applied Biology series + Annual Membership</i>	*£5.00 for the first year with valid student ID and a Direct Debit Mandate form returned for subsequent years
Members are also entitled to receive the following publications at reduced rates.	
<u><i>Annals of Applied Biology</i></u>	
Printed (hard copy)	85.00
Online (UK & Europe*)	75.56
Online (rest of world)	62.96
Printed + Online (UK & Europe*)	116.59
Printed + Online (rest of world)	111.04
* VAT incl. for UK & European members	

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?

Members of the association are entitled to many exclusive discounts and a whole range of dedicated content

What do I receive with an AAB Membership?

- A forum for applied biologists worldwide: network with the best in your specialism
- Very discounted registration fees for our regular scientific [conferences](#) and workshops across the AAB's research interests
- Significantly reduced subscriptions to [AAB publications](#)
- [Eligible to apply for 'Federation of European Societies of Plant Biologists' short term mobility grants \(up to €3000\)](#)
- Eligible to apply for [AAB ECP Travel grants](#)
- Eligible to apply for the 'AAB Carer Fund', £500 accessibility grants.
[Download an application form here](#)
- 30% discount on publications in our *Aspects of Applied Biology* series
- Discounted membership to the [Royal Society of Biology](#). AAB members receive a 50% discount on RSB membership! [Download details here.](#)
- [Opportunities to interact with the Global Plant Council](#)

Additional benefits for Student Members

- ALL new student members who set up a direct debit payment will receive a FREE *Aspects* book of their choice, from our [Aspects of Applied Biology Marketplace](#) (if in stock), worth up to £40.00!
- We encourage all of our specialist groups to adopt at least 1 student member - if you are interested in becoming part of a group, please contact the relevant convenor
- We would also like our Student Members to be involved with our conference organisation so if this is something of interest please contact the AAB Office

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. 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.

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. 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.