

August 2023



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ASSOCIATION OF APPLIED BIOLOGISTS

Newsletter

President: Prof. Mike Gooding, PhD

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Our Mission

“to further the application of biology to the production of food, materials, and energy, and for the maintenance and improvement of the earth’s environment”

AAB Quick Links

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AAB Early Career Professional members (AAB ECP) eligible for FREE Online registration to *ANY* AAB-organised hybrid event, AAB ECP non-members pay a nominal fee (£5) for access and also gain free membership!



Upcoming Events



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ASSOCIATION OF APPLIED BIOLOGISTS
FOOD SYSTEMS

Hosted online and at
The University of Leeds

**Plant Food Waste Valorisation:
Opportunities and Challenges**
September 11-12 2023

Schedule now available!

**Plant Food Waste Valorisation:
Opportunities and Challenges**
Sept 11-12 2023

Online registration still available

[Visit Event Website](#)



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ASSOCIATION OF APPLIED BIOLOGISTS
BIOCONTROL AND IPM GROUP

Hosted online and in Derby, UK

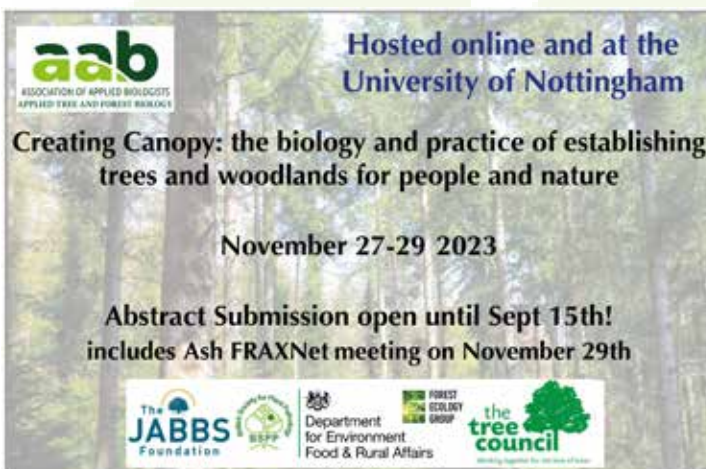
**IPM and Biocontrol 2023:
Increasing collaboration across the
innovation cycle**
November 15-16 2023

Abstract Submission deadline September 15th

**IPM and Biocontrol: Increasing
collaboration across the
innovation cycle**
Nov 15-16 2023

Abstract submission closes Sept 15th

[Visit Event Website](#)



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ASSOCIATION OF APPLIED BIOLOGISTS
APPLIED TREE AND FOREST BIOLOGY

Hosted online and at the
University of Nottingham

**Creating Canopy: the biology and practice of establishing
trees and woodlands for people and nature**
November 27-29 2023

Abstract Submission open until Sept 15th!
includes Ash FRAXNet meeting on November 29th

The JABBS Foundation, BSFA, Department for Environment Food & Rural Affairs, the tree council

**Creating Canopy: the biology and
practice of establishing trees and
woodlands for people and nature**
Nov 27-29

Abstract submission closes Sept 15th

[Visit Event Website](#)



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ASSOCIATION OF APPLIED BIOLOGISTS
NEMATOLOGY GROUP

Hosted online and at
The Linnean Society, London

Advances in Nematology
December 7th 2023

Abstract Submission open until October 1st
Invited speakers: Vincent O'Connor, University of Southampton
David Marcus Bellett-Travers., Anglia Ruskin University

Advances in Nematology
December 7 2023

Abstract submission closes Oct 1st

[Visit Event Website](#)



aab Hosted at the
EARLY CAREER PROFESSIONAL NETWORK University of Leicester

**AAB Early Career Professionals
Science and Skills Workshop
December 18-19 2023**

Applications now open!

**AAB Early Career Professionals
Science and Skills Workshop
Dec 18-19 2023**

Apply before October 15th

[Visit Event Website](#)



aab Hosted online and in
ASSOCIATION OF APPLIED BIOLOGISTS Brighton, UK
PESTICIDE APPLICATION GROUP

**International Advances in
Pesticide Application
January 23-25 2024**

Poster abstract submission deadline is Oct 1st

**International Advances in
Pesticide Application
Jan 23-25 2024**

**Poster abstract submission deadline
is October 1st**

[Visit Event Website](#)



**Association for Crop Protection
in Northern Britain
CONFERENCE** Hosted at
**The Apex Hotel
Dundee**

**Crop Production in Northern Britain
February 27-28 2024**

Abstract Submission now open!
Expected sessions on Potatoes, Combinable Crops, Ag and
Environment, Others....

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**Crop Production in Northern
Britain 2024
Feb 27-28 2024**

**Abstract submission deadline
is October 1st**

[Visit Event Website](#)

Annals of Applied Biology



International journal of the **aab**



Following

Annals of Applied Biology has a new twitter account.

Look out for exciting new twitter content that promotes papers and their authors that are published in the journal.

Annals is a 100% society-owned journal so all its revenue goes back to the community through the support of AAB activities.

[@AnnalsApplBio](#)

AAB-Owned Journals: New Issues AVAILABLE

Click on the links below to view the latest issues of our scientific journals.

Annals of Applied Biology
An international journal of the **aab**

Plant Biotechnology Journal

Open Access



Annals of Applied Biology

[Vol. 183 Iss. 2](#)

September 2023

Plant Biotechnology Journal

[Vol. 21 Iss. 9](#)

September 2023



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.

Annals of Applied Biology First Author Profiles

Oraon, S., Pal, S., & Mondal, S. (2023). Flower-visitor diversity and pollination of Indian olive (*Elaeocarpus floribundus* Blume). *Annals of Applied Biology*, 182(2), 183–191.
<https://doi.org/10.1111/aab.12808>

- Name: **Dr. Satyajit Oraon**

- **Current Workplace:** Independent Researcher

<https://twitter.com/SatyajitOraon2>

www.linkedin.com/in/dr-satyajit-oraon-76989a159



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

The authors introduce the research problems, provide background information and explain the motivation for the study. They also identify the gaps and clearly state the research questions.

- **Describe your scientific journey so far:**

I have completed my Master's degree in Botany from Visva-Bharati, India in 2017. During my master's degree programme in the Department of Botany, Visva-Bharati I worked on Pollination biology of some Leguminous plants. Since 2017, I have been worked on the topic entitled "Studies on allelopathic effect of some Lamiaceous plants on selected crops" for the award of Doctor of Philosophy. This work has given me some hands-on experience in the field of allelopathy and standardization of those protocols for our Lab, like identification of allelopathic plants, in-vitro and soil-based experiments, identification and quantification of allelochemicals etc. Throughout this period, I gained good skills in laboratory experiments viz. isolation of plant secondary metabolites using sophisticated analytical techniques (hands-on experience in handling basic laboratory equipment, e.g. precision balance, cyclomixer, microcentrifuge, accupipette, UV-VIS dual beam spectrophotometer and HPLC). During my Ph.D. tenure, I published many research and review articles as first author in reputed, high impact factor international journals. I have been awarded for the degree of Doctor of Philosophy in Botany on 24th January, 2023. I am also worked on the field of allelopathy, plant reproductive biology and plant-pollinator interactions.

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

Nature photography

Annals of Applied Biology First Author Profiles

Çağlayan, K., Ördek, K., Gazel, M., Elçi, E., Roumi, V., Lamovšek, J., & Mavrič Pleško, I. (2023). Incidence and genetic diversity of raspberry bushy dwarf virus (RBDV) in *Rubus* spp. in Turkey. *Annals of Applied Biology*, 1–11. <https://doi.org/10.1111/aab.12847>

Open Access



- Name: **KADRIYE CAGLAYAN**

- **Current Workplace:** HATAY MUSTAFA KEMAL UNIVERSITY, TURKEY

www.linkedin.com/in/kadriye-caglayan-37711992

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

The article was organised in frame of a EU Project (HORIZON-2020 RISE- No 734736- VirFree project and a bilateral project between Turkey and Slovenia (TUBITAK-2310042)

- **Describe your scientific journey so far:**

My scientific journey started in 1981 when I started to my PhD in Cukurova University in Turkey. I visited important virology labs during my PhD study like Hohenheim University in Germany (4 months) and John Innes Institute, Norwich-England (for one year) to get training on serological and molecular detection techniques of plant viruses and epidemiological studies.

My all academic life was in Turkish universities but a lot of collaborations with important virologists in important virology labs in Europe in frame of many EU and bilateral projects.

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

Walking, listening music and reading books



AAB are a member of the Royal Society of Biology Parliamentary Steering Group.

As part of this involvement we receive parliamentary updates from Susie Rabin who is RSB Associate Director of Parliamentary & Public Affairs.

Relevant highlights of the recent updates are:

- Parliament is now in recess and returns on Monday 4th September
- Conference recess: rising on Tuesday 19th September and returning on Monday 16th October
- The King's Speech will take place on 7th November – it is likely Parliament will be prorogued the week before
- Christmas recess: rising on Tuesday 19th December and returning on Monday 8th January 2024.

POST has published the following notes:

- Measuring sustainable environment-food system interactions on the environmental impact metrics for food systems, which are complex networks of decision-makers, natural processes and human activities.
<https://parliament.us16.list-manage.com/track/click?u=3ad7e4c57a864f07e4db008c4&id=3f0cfa2322&e=24699e77aa>
- Local area energy planning: achieving net zero locally on the relatively new process of local area energy planning that aims to deliver net zero targets more effectively at the regional level.
<https://parliament.us16.list-manage.com/track/click?u=3ad7e4c57a864f07e4db008c4&id=4507f77ef9&e=24699e77aa>

Committee updates:

- **Commons Science and Technology Committee** has published a report into Delivering nuclear power
<https://committees.parliament.uk/committee/135/science-innovation-and-technology-committee/publications/>
- **Commons Environmental Audit Committee** has launched an inquiry into the role of natural capital in the green economy. Evidence can be submitted until 22nd September.
<https://committees.parliament.uk/work/7882/the-role-of-natural-capital-in-the-green-economy/>
- **The Lords Environment and Climate Change Committee**
 The Committee published a report into Protected Areas
<https://committees.parliament.uk/committee/515/environment-and-climate-change-committee/publications/>

- The Scottish Affairs Committee has an inquiry into science and Scotland. Evidence will be accepted until 13th September.

<https://committees.parliament.uk/call-for-evidence/3162>

Government announcements:

- DSIT have announced the opening of a new fund, called the **Research Ventures Catalyst**. Up to £50m of Government investment will be provided to support new UK research ventures and encourage greater private and philanthropic backing for UK science, research, and innovation.

<https://www.gov.uk/government/news/game-changing-fund-opens-in-uk-to-boost-science-and-tech-research>

- £14 million to unlock agricultural innovation from **DEFRA**. Over £14 million is being made available in two new competition rounds to back research into innovative farming solutions. The latest funding forms part of the Farming Innovation Programme which is boosting sustainability and driving progress towards net zero in agriculture and horticulture.

<https://www.gov.uk/government/news/14-million-to-unlock-agricultural-innovation>



ASSOCIATION OF APPLIED BIOLOGISTS

The AAB NewsHub

A dedicated section for generic news content which may be of interest to our members and associates. These articles may range from current events, blogs, or discussion topics right the way through to some professionally published content. 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)

- [Something strange is happening in the Pacific and we must find out why](#) (New Scientist)
- [Our solar system might be 1.1 million years older than we thought](#) (New Scientist)
- [Flower that thrives in Death Valley may hold secret to heat adaptation](#) (New Scientist)
- [Bees may be able to tell if water contains sugar just by looking at it](#) (New Scientist)
- [Wisbech farm claims UK record-breaking year for watermelons](#) (BBC)
- [What is net zero and how are the UK and other countries doing?](#) (BBC)
- [Beekeepers to the rescue after 5 million bees fall off truck in Canada](#) (BBC)
- [Climate warming increases extreme daily wildfire growth risk in California](#) (Nature)



**Harper Adams
University**

Postdoctoral Researcher Vacancy
submit a CV with covering letter (deadline: 14/09/2023)

Professor Keith Walters
kwalters@harper-adams.ac.uk

Professor of Invertebrate Biology and Integrated Pest Management
Director of the Centre for Integrated Pest Management
Harper Adams University, Newport, Shropshire TF10 8NB, UK

The reason I am writing is that I have a vacancy for a postdoc that might interest. Specifically, we seek an ecologist to lead research into the mechanistic understanding of the spatio-temporal distribution of invertebrate populations. This work emerges from our recent programme investigating the potential for targeting patches of higher slug densities in arable fields with pesticides (conventional and biological), to support sustainable use of the products. It focuses on the remaining big questions relating to matching patch location with environmental factors (in particular soil characteristics), and developing models that predict where the patches will form. The work forms part of a larger project involving several industry participants (equipment manufacturers, robotic engineers, farmers, consultants etc.), and as such should give the successful candidate the chance to develop a broad range of transferable skills and contacts in several sectors.

Fuller details are available on the HAU web site:
(<https://jobs.harper-adams.ac.uk/vacancy.aspx?ref=KW-1228>) and I am very happy to speak to anybody who is interested regarding further information, published material describing the work we have already completed etc. Please feel free to email.

We are writing to encourage you to join AAB in 2023

Join a community of 1000+ like-minded professionals that also has significant financial benefits, especially for early career professionals (ECPs).

2023 Membership fees: **Regular members: £62**
Early Career Professional/ Retired members: £20
(anyone within 5 years of finishing full-time education; bachelor or graduate study)

Membership benefits:

- **Reduced fees for ALL AAB events.** Regular members pay £100 and ECP members pay £50 **LESS** than equivalent non-members to attend AAB in-person events. ECP members can join events as an online delegate for free.

[Download 2023 Conference Schedule here](#)

- **20% discount on Article Publishing Charges when submitting to Plant Biotechnology Journal**

- **ECPs are eligible for travel grants to any AAB event (up to £300)**

- **All members are eligible for Carer grants (up to £500)**

- **Eligibility to apply for Federation of European Society of Plant Biology short term mobility grants (up to €3000)**

- **Consideration for Fellowship of AAB (F Appl. Biol.) after seven years of continuous membership**

- **30% discount on all issues of 'Aspects of Applied Biology'**

- **Reciprocal 50% reduction in membership fees with the Royal Society of Biology**

- **Invitation to contribute events and opportunities to the monthly AAB newsletter circulated to 3500+ scientists**

- **Opportunity to join an AAB Specialist Group, which determine AAB activities.**

Applied Plant Pathology

Biocontrol and IPM

Food Systems

Nematology

Plant Physiology and Crop Improvement

Virology

Applied Tree and Forest Biology

Cropping and the Environment

Horticultural Quality and Food Loss

Pesticide Application

Soil Biology

Professor Mike Gooding, AAB President

Dr Geraint Parry, AAB Executive Officer

www.aab.org.uk/membership

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