



The Worshipful Company of Fruiterers in collaboration with the Trustees of the Journal of Horticultural Science and Biotechnology

Special Merit Award 2020

Climate Change

The Worshipful Company of Fruiterers and the Trustees of the Journal of Horticultural Science and Biotechnology (JHSB) are delighted to announce the launch of a new and highly significant Special Merit Award, to be awarded to organisations in the Fresh Produce Industry who have shown innovation, vision and practical application.

While the Award is generally intended to support three broad subject areas: **Climate Change** (addressing CC in the Fresh Produce Industry, details at Appendix A), **Technology** (the successful use of technology in the production and delivery of produce), **Health & Wellbeing** (for the long term good of ourselves and our society). The initial focus in this inaugural cycle is on Climate Change where we now invite proposals for funding; further details on our specific focus, within climate change, are detailed in the Application Guidelines and Appendix A, below.

The applications will be assessed by leading experts.

Who can apply?

All organisations in the Fresh Produce Industry are eligible and invited to apply for these prestigious Awards.

Proposals will need to explore the next major stage of an existing project with proven success in addressing climate change. The Awards are intended to encourage innovation, vision and practical application. Applicants will most likely be at a critical stage of development with an ongoing project. They will have already shown that their work so far has had a significant impact, but will require further financial support to take this work to the next level.

Guidelines for applicants and the criteria against which applications are assessed can be found in the Application Guidelines below.

What's in the Award?

The Award will be for up to **3 years**, in addition to which, the collective expertise drawn from within the Livery Company and JHSB will be available to successful applicants. They will receive a certificate, and a phased award of up to £10,000 per annum, over the period of the award.

The successful applicants will be required to provide an annual progress report and may be invited to make a presentation to the Company and the award sponsors - JHSB.

How to apply?

The Special Merit Award is led by Professor Eve Mitleton-Kelly who will be delighted to answer any early questions by email at e.mitleton-kelly@mitleton-kelly.org.uk Prospective applicants should also send applications by email, to Prof Eve Mitleton-Kelly, using the Form below.

Applications should reach the Fruiterers Awards Council by **11 November 2019**.

About the Worshipful Company of Fruiterers

We are a progressive City Livery Company that has been actively supporting the City of London and the fruit industry since the thirteenth century. Today over half our membership is actively engaged in the fruit industry, while the other half is drawn from a wide range of professions and occupations operating in the City and wider community. Our aim is to continue to be an influential fellowship, promoting the interests of the fruit industry, the Lord Mayor and the City of London Corporation building upon its ancient heritage and traditions.

About the Journal of Horticultural Science and Biotechnology (JHSB)

Founded in 1919 JHSB publishes the results of high quality, peer reviewed research in all aspects of production, environmental and social horticulture and detailed critical reviews of scientific progress. The JHSB's remit is publishing scientific research in the interests of those engaged in research and the practice of horticulture. It is managed solely by a Board of Trustees and regulated by the UK's Charity Commissioners for England and Wales, via the Chairman of Trustees and Secretary/Treasurer. Partnership with Taylor and Francis (the Informa Group) ensures rapid publication of research papers and reviews using the latest electronic techniques. The Senior Editor and a group of Associate Editors assess submissions for potential publication; afterwards the Social Media Manager and staff of Taylor and Francis enhance their dissemination.

Our key objectives are to:

- promote excellence across all sectors of the fresh produce industry
- support education and research within the fresh produce industry
- support the Lord Mayor and the City of London Corporation
- be active in raising funds for charity
- foster, within the Livery, a spirit of good fellowship
- encourage excellence in horticultural research and its rapid dissemination and application for the benefit of producers, consumers, the environment and society more widely

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Special Merit Award 2020 Climate Change

Application Form & Guidelines

Name of Organisation:

Name of Applicant, applying on behalf of the organisation:

Contact details (E-mail, telephone number and address):

Application Synopsis:

Applications must include a 2,000 word summary of a project conducted by the applicant organisation that has made a significant contribution in addressing climate change in the Fresh Produce Industry (nationally or internationally). The summary should include a brief introduction; a description of the technical aspects of the project and how it addresses climate change; and answer ***why is funding needed now, to take it to the next critical stage of development?***

Letters from related organisations testifying to the current value of the project and its proposed development, would be welcomed.

The criteria against which projects are assessed are:

- Originality and vision
- Significance of contribution in addressing climate change, i.e. impact
- Why is funding needed now?
- How will the project develop, what are the expected outcomes and when?
- Would other organisations be able to use the same approach?
- Value to the Fresh Produce Industry, the Fruiterers Company and JHSB
- Testimonials
- Quality of presentation

Application submission:

Completed forms should be emailed along with any supporting work to Prof Eve Mitleton-Kelly, Chair of the Fruiterers Special Merit Award at: e.mitleton-kelly@mitleton-kelly.org.uk

Application Deadline: 11 November 2019

Appendix A

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Special Merit Award 2020

Climate Change

The initial areas for awards are: **Non-traditional crops, Robotics, Water and Waste**. Applicants may also offer additional areas of application, if they can demonstrate significant contribution to addressing climate change at any stage in the life cycle of fresh produce.

1. The growing of **non-traditional crops**, such as apricots and grapes; Scottish blueberries and cherries; British olives and olive oil; tea; growing cranberries in the UK for Christmas; novel vegetable and salad crops, out of season produce and especially those with increased attributes which support human health and welfare. To include **non-traditional production systems** and protected cropping (under cover).
2. The use of **robots** generally, to include:
 - a. Work in harsh environments
e.g. robots could be used to harvest in late autumn and winter and at night time when conditions are more favourable;
 - b. Administer treatments to slow/speed up development to match market demand e.g. using UV light on strawberries every 3 days inhibits (slows down) growth, when there is a glut and avoids waste;
 - c. Other innovative use of robotics to aid the fresh produce industry in addressing climate change.
3. **Water** and the efficiency of irrigation systems, ensuring correct distribution to plants; water recycling and the use of different sources.
4. Reducing **Waste** at all stages throughout the life cycle (from growing of fresh produce to marketing and consumption), including **packaging** to reduce the use of packaging materials and innovation in the use of new materials.
5. **Any other areas** in all stages of the life cycle of fresh produce to effectively address climate change.