

## Real world impact



**The Institute of Science and the Environment focuses on current challenges, with global issues driving research projects ranging from protecting vulnerable species and their habitats, to building sustainable societies for present and future generations.**

With an established reputation for academic excellence, you will benefit from comprehensive course materials delivered by inspiring lecturers in stimulating learning environments. Our courses backed up by the Institute's extensive collaborative research projects jointly undertaken with other universities, private industry and public sector organisations.

### Significant impacts

We are highly impact-focused and expose students to a wide-range of social, scientific, and environmental issues. With real-world issues at the heart of your research projects, you will have the opportunity to challenge prevailing concepts and the opportunity to deliver purposeful contributions to the scientific community.

Some of our recent research projects conducted in other countries have included studies on the impact of climate change on water and drought; methods of preserving endangered and vulnerable animals and plants; building sustainable societies for an ageing and growing population; and increasing nutritionally-valuable crop harvests in Africa.

Since 2011, the University's National Pollen and Aerobiology Research Unit (NPARU) has also been the main provider of pollen and fungal spore forecasts, contributing significant pollen data to the Met Office for the whole of the UK and all of Ireland.

By ensuring that our research focus areas are accessible, supported, and relevant to society and current challenges, our students leave us prepared with the skills and expert subject knowledge needed to pursue ambitious careers in global markets.

### Essential science

The scientific research we conduct at Worcester is vital to shaping your course, and the products of previous research feeds directly back into your learning experience with us. Undergraduates receive broad training with options to develop specialist knowledge across all disciplines, while postgraduates take advantage of the University's supportive and stimulating research environment. Past research helps us tailor the structure of your course for future years, ensuring that our syllabus is relevant, current, and engaging to support and inspire future scientists.



### Case study

#### Rare bee recorded at the University of Worcester

A rare bee, *Nomada lathburiana*, currently listed as a Red Data Book species making it a rare and endangered organism, has been recorded during a student workshop at the University of Worcester. Commonly found in rural, less densely populated areas, the bee was discovered during a survey at the University's St John's campus with the Worcestershire Biological Records Centre (WBRC).

Senior Lecturer in Ecology and Environmental Management, Dr Duncan Westbury, was particularly excited by the unusual find, stating: "Regular recording and monitoring of species will continue throughout the year and hopefully we will find further hidden gems - our students are now more engaged than ever!"

[Find out more about the rare bee sighting.](#)

