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HOW WILL PLANTS ADAPT TO A HIGH CO₂ WORLD?

Christine Foyer
Professor of Plant Sciences
University of Birmingham

8:00 pm on Tuesday, 7th March 2023
In the Studio Theatre of the Lichfield Garrick

Christine Foyer is a Member of the Environmental Sustainability Board of the FERRERO group and the Editor in Chief of Food and Energy Security. She holds the Janaki Ammal Chair of the Indian Academy of Sciences and is a Member of the French Academy of Agriculture. In 2022, she was made an International Fellow of the Indian Society of Plant Physiology and she received the Charles F. Kettering Award of the American Society of Plant Physiology. Christine has over 400 published papers.

Christine will introduce the topic of climate change, greenhouse gases and their effect and cover photosynthesis and its importance in ecosystems, particularly in relation to the carbon dioxide fertilisation effect and the nature-based solutions to climate change. She will discuss the impact of high atmospheric CO₂ concentrations on crops and forests, measured using Free-Air Carbon dioxide Enrichment (FACE) sites. For example the site in Urbana USA that focusses on crops and the Birmingham Institute for Forest Research that studies how forest ecosystems will respond to future increases in atmospheric CO₂ and discuss the implications some of the results obtained to date have for society and the UK roadmap to net zero.

For further information, please see our website at www.LSES.org.uk
Students and Members Free.

Visitors £7.00. Tickets are not issued in advance, please pay at the door.

Members must sign in. Those signing in before 7:50 pm will have precedence over all visitors.

This lecture is expected to finish by 9.30 pm.