

Dr **CRAIG J STURROCK**

Institution: Division of Agricultural and Environmental Sciences, School of Biosciences,
University of Nottingham. Sutton Bonington Campus, Loughborough, UK

Short biography and experience:

Craig Sturrock is a Principal Research Fellow at the University of Nottingham, UK. He received his PhD in microbial ecology from the University of Abertay Dundee in 2002. In 2004, he started using X-ray Computed Tomography to investigate the influence of soil microbes of soil structural development. Craig joined University of Nottingham in 2010 where he is now co-director of The Hounsfield Facility, a dedicated X-ray imaging research facility for rhizosphere research. His research focuses on developing methodologies to enable high resolution quantification of the soil-plant-microbe ecosystem ranging from micro-scale changes in structure in agricultural soils to the quantification of crop root system architecture. A major part of his work is the development of novel image analysis techniques to characterise heterogeneous materials. These techniques have been applied to collaborative projects with materials science, engineering, veterinary medicine and food science.

Lecture title: **Multiscale imaging approaches for understanding crop root responses to soil environmental stress**

ORCID. 0000-0002-5333-8502

ScopusID. 6602147809

<https://www.nottingham.ac.uk/biosciences/people/craig.sturrock>