

Invitation

Public lecture by Dr. Yves Dumont from CIRAD,
France

Mathematics and Agronomy.
Applications in crop protection and yields'
improvement. Ongoing works and challenges

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Prof. Roumen Anguelov, the Head of the Department of Mathematics and Applied Mathematics at the University of Pretoria, cordially invites you to a public lecture titled: *'Mathematics and Agronomy. Applications in crop protection and yields' improvement. Ongoing works and challenges'* which will be presented by established international Visiting Researcher, Dr. Yves Dumont.

Abstract

Food safety has become an important challenge in the world, particularly in Austral Africa. While the food demand is increasing, crop yields are reducing or crops are impacted by diseases and pest. That is why crop protection and yields' improvement have become important issues, in which Mathematics can bring new insights.

The aim of this talk is to present recent and ongoing works on how Modelling and Mathematics can be useful tools to tackle some issues related to yields' improvement and crop protection. I will emphasize the importance of joined collaborations, through multidisciplinary projects, with field experts to build (and study) relevant models.

Brief Biographical sketch: Dr. Yves Dumont

Dr. Yves Dumont is a visiting researcher at the University of Pretoria and a senior researcher in UMR AMAP at CIRAD, Montpellier, France.

He completed his Habilitation in Applied Mathematics, at the University of Réunion Island in 2009. He received his PhD in Applied Mathematics, from the University of Haute Alsace in 1998.

Dr Dumont's research interest is Applied Mathematics, specialized in the modelling of Biological systems, their analysis and simulations, with a particular interest in Plant and Bio-aggressors Interactions. Dr Dumont is the author or co-author of 61 publications in peer reviewed journals, 1 book, and 20 papers in peer-reviewed conference proceedings.

Date Thursday, 20 September 2018
Time 16:00 to 17:00 (Guests are requested to arrive at 15:45 for 16:00)
Venue Plant Sciences Auditorium
RSVP melandre.frost@up.ac.za