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Post-doctoral Fellowship in Horticultural Science

Applications are invited for a one year one postdoctoral fellowship (2017) which is available as part of a collaborative Postgraduate funded by Citrus Research International (CRI) and the Department of Science and Technology (DST) of South Africa. The research project is concerned with multi-scale modelling of the impact of shade netting in citrus orchards. The objective of the study is to determine the impact of the altered ambient climate on:

1. Key tree and fruit physiological responses that determine fruit quality
2. Carbohydrate content and allocation between vegetative and reproductive organs

The successful incumbent will be expected to contribute substantially to various parts of the interdisciplinary project involving changes in the whole tree physiology i.e. fruit quality (fruit size, rind colour as well as carbohydrate content in addition to pulp sugar content) after changes in ambient environment due to shade netting. The incumbent should be proficient in laboratory procedure in order to do biochemical extraction and quantification of samples on HPLC, as well as handling data and using programming software (i.e. SAS, Statistica Matlab, Scilab or R) to analyze the changes between treatments.

The research will require interaction and communication with team members from different scientific fields. The details of research can be tailored according to the incumbent's particular area of expertise. Research tasks will also include the reporting of research outcomes at regular project meetings and seminars and in progress reports, as well as the preparation of scientific papers for publication. The fellowship will be tenable in the Department of Horticultural Science (Lombardi building, Victoria street) at the University of Stellenbosch.

The value of the fellowship is R250 000 per annum. Fellowships are tax exempt and the tenure of fellowship is one year. The commencement of the fellowship is from February 2017.

The successful incumbent has to have obtained the PhD degree within the last five years in Horticultural Science, Plant Physiology/Botany, Plant Ecophysiology or Biochemistry. The successful incumbent will be required to comply with the University of Stellenbosch's approved policies, procedures and practices during the tenure of the fellowship.

Further information can be obtained from, and applications submitted to, Dr. Paul Cronje (email: paulcronje@sun.ac.za, Tel +27 21 808 2689). Applications need to include the CV, list of publications and contact details of three referees, and are accepted until the position is filled.

The University of Stellenbosch reserves the right to cancel incomplete applications, to effect changes to the conditions of the Fellowship and/or to make no awards at all. Only short-listed candidates will be contacted. The closing date for the submission of applications is 30 December 2017.



Fakulteit AgriWetenskappe
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