

We invite application for the position of

Post-Doctoral Research Fellow

Crop Production and Soil Management

The Unit for Environmental Sciences and Management invites suitable applications for the Post-Doctoral Research Fellow in Agronomy position under the Crop Production and Soil Management (CPSM) sub-programme. Interested candidates are invited to familiarize themselves with the research themes of CPSM through [this link](#) or scan the QR code below:



The North-West University's Unit for Environmental Sciences and Management hosts a world-renowned group of researchers and is offering a Post-Doctoral Research Fellow position in the abovementioned field of research.

This is a full-time Post-Doctoral Fellowship (PDF) funded through the NWU Post-Doctoral programme. The fellowship carries a value of R249 000 (tax-free) per annum, once-off translocation costs, and R20 000 per annum research funding. The Unit currently has a number of positions available, and the PDF should commence as soon as possible. The fellowship is available for three years. The PDF position is reviewed on an annual basis and continuation thereof is subject to performance evaluation. The PDF will be based in Potchefstroom and hosted by Prof Jacques Berner.

Key responsibilities:

- Perform research and analyses in Agronomy.
- Play an active role as an investigator in all aspects of the research project.
- Lead author of at least 3 papers per annum published in internationally accredited peer-review journals.
- Assist in capacity development at the NWU through active interaction, co-supervision and collaboration with post-graduate students and interns.

Minimum criteria:

- A PhD degree in Crop or Plant Sciences or a related field.
- The candidate must have proven skills (through publication) in assessing and quantifying crop health. Applicants specializing in weed science, integrated pest management, plant protection/pathology or molecular biology are encouraged to apply.
- Strong written and oral communication skills with a minimum of 3 ISI-rated publications in the relevant discipline as well as presentations at various national and international conferences.
- Ability and willingness to conduct laboratory and fieldwork in the respective research field.
- Ability to work independently but also participate within the team to reach certain goals.
- Valid driver's license.

Desirable criteria:

- Experience using laboratory and field equipment such as the infrared gas analyzer, HandyPea fluorimeter, chlorophyll meters, leaf area meters, porometers, and/or soil moisture probes.
- Experience in biostatistics and working with software packages like R, Statistica, GenStat, SPSS or similar.
- Experience in general plant and soil laboratory techniques.
- Student supervision and mentoring experience.

Applications and enquiries:

If you are interested in applying, please submit the following documentation:

1. A letter of motivation detailing your relevant experience and research interests, current research activities, and your interest in the project(s).
2. Latest academic transcript.
3. A Curriculum Vitae including a list of publications.
4. The names, contact details and relationship of at least three references (including doctoral supervisor).
5. Proof of completion of PhD or, in the case of a final year PhD candidate, a letter from your supervisor stating the expected date of submission of the PhD thesis.
6. Copy of identification document or passport.

Incomplete applications will not be considered.

The closing date for applications is 15 September 2023 at 12:00 (noon).

To submit an application or for further enquiries, contact Prof Jacques Berner at Jacques.Berner@nwu.ac.za with the subject line: CPSM Postdoc Application OR in the case of enquiries, with the subject line: CPSM Postdoc Enquiry.