

The Agricultural Research Council (ARC) is a premier science institution that conducts research with partners, develops human capital and fosters innovation in support of the agricultural sector. It provides diagnostic, laboratory, analytical, agricultural engineering services, post-harvest technology development, agrochemical evaluation, consultation and advisory services, food processing technology services as well as various surveys and training interventions. Through its wider network of research campuses and experimental farms, the ARC provides a strong scientific base and a broadly distributed technology transfer capacity to the entire agricultural industry in South Africa.

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***The ARC-Soil, Climate and Water (ARC-SCW) seeks to appoint highly experienced and dynamic persons to the following positions in Arcadia, Pretoria:***

### **RESEARCHER: SOIL SCIENCE**

#### ***Key Performance Areas:***

- Provide strategic research direction for the Soil Science programme in harmony with the ARC's Strategic Plan,
- Pro-active personnel management in terms of application and effective utilisation to maintain and strengthen the core of expertise within the Soil Science (Pedology) discipline,
- Recruitment of funding and project management in an agricultural and natural resource environment, both nationally and internationally,
- Acquisition and maintenance of research equipment, computers, peripherals and specialised software,
- Postgraduate student supervision, mentorship and research team leadership,
- Monitoring and evaluation of research and technology development projects, and maintenance of scientific quality standards,
- Scientific networking, both nationally and internationally,
- Technology transfer.



**Requirements:**

- PhD in Soil Science/Agronomy with strong background in Weed Science,
- A proven research background across various fields of Soil Science,
- Previous experience in Conservation Agriculture would be an advantage,
- Ability to work with communities and conduct fieldwork,
- Experience in student supervision and mentoring,
- Registration with SACNASP or evidence that registration could be obtained,
- Good communication skills written and verbal,
- Willingness to travel away from home for intermediate periods,
- Valid driver's licence (code 08/EB).

**Enquiries: Dr DG Paterson, Tel: (012) 310 2500**

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**RESEARCHER: ANALYTICAL SOIL CHEMISTRY**

**Key Performance Areas:**

- Grow the Soil Science programme as a whole and the Analytical Services unit in particular,
- Provide relevant soil chemical inputs to research projects and a range of soil and other analyses,
- Project management and recruitment of funding in an agricultural and natural resource environment, both nationally and internationally,
- Monitoring and evaluation of analytical processes, and maintenance of scientific quality standards,
- Acquisition and maintenance of research and analytical equipment, computers, peripherals and specialised software,
- Compile analytical reports for clients,
- Contribute to reporting research findings in scientific articles,



- Mentoring young scientists/technicians/postgraduate students and discharging duties in a multidisciplinary and multi-cultural research team.

**Requirements:**

- PhD in Soil Science, specialising in Soil Chemistry,
- A proven research background in a soil (or related) laboratory environment,
- Knowledge of a wide range of analytical instrumentation, including ICP-MS and ICP-OES,
- Experience of supervising and managing within research projects,
- Experience of SANAS accreditation procedures would be an advantage,
- A proven ability to secure national and international external research grant/funding,
- Good communication skills written and verbal,
- Valid driver's licence code 08/EB.

**Enquiries: Dr DG Paterson, Tel: (012) 310 2500**

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***The ARC-Agricultural Engineering (ARC-AE) seeks to appoint a highly experienced and dynamic person to the following position in Silverton, Pretoria:***

## **SENIOR RESEARCHER: IRRIGATION AND AGRICULTURAL INFRASTRUCTURE ENGINEERING**

### ***Key Performance Areas:***

- Provide strategic leadership and management of the ARC-Agricultural Engineering division,
- Establish and lead a research programme within the areas of interest and expertise in engineering as applied to agricultural problems,
- Lead the implementation of advanced engineering technologies,
- Collaborate and interact with research teams across the ARC to ensure broad application of existing engineering technologies,
- Train postgraduate students in the application of next generation agricultural engineering technologies,
- Raise funds to ensure the optimal functioning of research programmes at the cutting edge of available technologies.

### ***Requirements:***

- PhD in Engineering or equivalent,
- Minimum of five (5) years' research experience and technical background in advanced engineering technologies applied to agricultural problems,
- Registration as a Professional Engineer with the Engineering Council of South Africa (ECSA),
- Minimum of eight (8) relevant peer-reviewed publications,
- Significant experience in project management, research team leadership and postgraduate student supervision,
- A proven ability to secure national and international research grants/funding,
- Good communication skills written and verbal,





- Valid driver's licence code 08/EB.

**Enquiries: Dr K Dhavu, Tel: (012) 842 9000**

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**CLOSING DATE FOR APPLICATIONS IS 01 JUNE 2021**

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A competitive remuneration package will be congruent with the scope, responsibilities and the stature of the position. The appointment will be subject to a positive security clearance and preference will be given to South African citizens.

Applications accompanied by covering letter, detailed CV (including certificates, supporting documents, copy of driver's licence and nationality - N.B. non-RSA citizens / work permit holders must attach certified copies), as well as the names and particulars of three (3) traceable referees, must be e-mailed to [ISCWCV@arc.agric.za](mailto:ISCWCV@arc.agric.za).

A SAQA evaluation report must accompany foreign qualifications. Incomplete applications will not be considered. Applicants who do not receive any response within four (4) weeks of the closing date should regard their applications as unsuccessful.

The Agricultural Research Council is an equal opportunity employer and is committed to the principles and processes of Employment Equity. The company has the right not to appoint.

