

The Agricultural Research Council (ARC) is a premier science institution that conducts research with partners, develops human capital and foster 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 institutes 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-Animal Production (ARC-AP) seeks to appoint a highly skilled, experienced and dynamic person to the following position at Irene, Pretoria:***

### **SENIOR RESEARCHER - RANGE AND FORAGE SCIENCES, ROODEPLAAT**

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

- Manages day to day activities at the National Forage Genebank and Herbarium,
- Initiates, manages and contributes towards national and international projects,
- Actively sources new national, international research opportunities including international Genebanks and write research proposals,
- Plans and coordinates seed and voucher specimen collection and curation activities at the National Forage Genebank and Herbarium,
- Plans and coordinates research with single or multi-disciplinary team,
- Conducts independent and advanced research, focussing on both new and commercial forages as well forage plant responses to biotic and abiotic stresses,
- Collaborate with Range & Forage Sciences - Forage Breeding unit,
- Compiles detailed internal reports as well as reports to external funders. Approves final reports,
- Manages data capture and shows advanced analysis, interpretation and recommendations,
- Publishes semi-scientific and peer reviewed articles, and publishes in journals with a high impact factor,
- Builds and maintains international and national relationships and strategic partners,
- Supervise or co-supervise PhD and MSc students with an emphasis on critical and scarce skills,
- Comply with all occupational health and safety regulations.



**Requirements:**

- PhD degree in Botany, Plant ecology or Plant Ecophysiology, Focus on forage crops will be an added advantage,
- 5 years relevant experience post PhD and eight peer-reviewed papers,
- Practical experience and technical knowledge of appropriate research projects, financial and human resource management,
- Experience in management of large data sets,
- Experience in technology transfer through popular and peer-reviewed articles, presentations and demonstrations,
- Proven record of presenting at national and international conferences,
- Track record of successful applications for research funding is mandatory,
- Good communication skills Verbal and written.

**Enquiries: Dr. TJ Tjelele, Tel: (012) 672 9314**

**SENIOR RESEARCHER: FORAGE BREEDING- RANGE AND FORAGE SCIENCES, CEDARA**

**Key Performance Areas:**

- Initiates, manages and contributes towards national and international projects,
- Renders expert diagnostic, technical and other services and consults at a national, international level,
- Develops, Maintains and Protects Plant Breeders Rights of the unit,
- Plans and coordinates research with single or multi-disciplinary teams,
- Manages people within projects and compiles detailed reports to various stakeholders,
- Manages data capture and shows advanced analysis, interpretation and recommendations,
- Publishes semi-scientific and peer reviewed articles, in journals with a high impact factor,
- Builds and maintains international and national relationships and networking opportunities,
- Supervise or co-supervise PhD and MSc students with an emphasis on critical and scarce skills,
- Comply with all occupational health and safety regulations.



### **Requirements:**

- PhD degree in Plant Breeding or equivalent qualification,
- 5 years relevant experience post PhD and eight peer-reviewed papers,
- Exposure to Biotechnology applications such as Marker-Assisted Selection, Biometrical Genetics and other modern breeding technologies,
- Practical experience and technical knowledge of appropriate research projects, financial and human resource management,
- Experience in technology transfer through popular and peer-reviewed articles, presentations and demonstrations,
- Good communication skills Verbal and written,
- A valid South African driver's licence.

**Enquiries: Dr. TJ Tjelele, Tel: (012) 672 9314**

### **RESEARCH TECHNICIAN - RANGE & FORAGE SCIENCES (FORAGE PRODUCTION), ROODEPLAAT**

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

- Contributes towards all research projects that has forage production activities,
- Supervises and manages the forage production teams and all forage production activities,
- Responsible for forage production resources and farm implements,
- Responsible for planning, preparation, planting and maintaining production of ARC pastures and silage preparation,
- Experience in grass and legume pastures as well as maize cultivation for silage and maize grain production,
- Compiles monthly and quarterly reports,
- Participates in writing publications under supervision,
- Starts building working relationships with stakeholders and research organisations
- Assists in training of support staff,
- Assist in farmers workshops and training events,



- Travel between ARC research farms for implementation of new forage production activities in collaboration with ARC-AP Line managers.

***Requirements:***

- 3 year National Diploma with 3 years applicable experience in Agronomy/Agriculture or related qualification,
- Prior working experience with forage production implements and their maintenance,
- Proven experience in producing different forage species grasses, legumes and maize for silage and grain production at farm scale and in setting up research trials,
- Experience in fertiliser requirements as well as weed control requirements for different forages,
- Experience in silage production,
- Experience in technology transfer through popular and peer-reviewed articles, presentations, and demonstrations,
- Evidence of contributions in publications or involvement in presentations e.g. farmers' days,
- Proven record of working in a team on large research projects,
- Good communication skills Verbal and written.

**Enquiries: Dr TJ Tjelele, Tel: (012) 672 9314**

**RESEARCHER: ANIMAL NUTRITION (POULTRY), IRENE**

***Key Performance Areas:***

- Source collaborations with stakeholders in the industry and maintain networking opportunities,
- Ensure successful transfer of scientific technology i.e. compilation of reports, oral and poster presentations under supervision,
- Participate in writing publications in line with the competency profile i.e. author/co-author for scientific paper every year,
- Participate in the project in a learning capacity and supervise as delegated,



- Utilise and maintain facilities, apparatus and equipment,
- Comply with the Occupational Health and Safety policies and procedures,
- Compile monthly, quarterly and annual reports,
- Initiate, manage and contribute towards national projects,
- Participate in information dissemination activities aimed at informing the industry.

***Requirements:***

- PhD Degree in Animal Science specialising in Poultry Nutrition or an MSc with 5 years with experience and extensive publications,
- Experience in technical nutrition role including involvement within the poultry industry,
- Have a sound scientific record of accomplishment, diet formulation and feed additives knowledge as well as practical hands-on on the ground farm-management experience,
- Registration with SACNASP as a Professional Animal Scientist,
- Leadership skills, people manager; strategic mind set, team player and commercial acumens,
- Experience in technology transfer through popular and peer-reviewed articles, presentations and demonstrations,
- Knowledge on safety standards as prescribed by the Occupational Health and Safety Act,
- Good communication skills Verbal and written Ability to work in a team,
- A valid South African driver's licence.

**Enquiries: Dr. B.D Nkosi, Tel: 012 672 9300**



## **RESEARCHER: ANIMAL NUTRITION (PIGS), IRENE**

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

- Source collaboration with stakeholders in the industry and maintain networking opportunities,
- Ensure successful transfer of scientific technology i.e. compilation of reports, oral and poster presentations under supervision,
- Participates in writing publications (in line with the competency profile i.e. author/co-author for scientific paper every year),
- Participate in the project in a learning capacity and supervise as delegated,
- Utilise and maintain facilities, apparatus and equipment,
- Comply with the Occupational Health and Safety policies and procedures,
- Compile monthly, quarterly and annual reports,
- Initiate, manage and contribute towards national projects,
- Participate in information dissemination activities aimed at informing the industry.

### **Requirements:**

- PhD Degree in Animal Science, specialising in Pig Nutrition, or an MSc. with 5 years minimum experience and extensive publications,
- Experience in technical nutrition role including involvement within the pig industry,
- Have a sound scientific record of accomplishment, diet formulation and feed additives knowledge as well as practical hands-on on the ground farm-management experience,
- Leadership skills, people manager; strategic mind set, team player and commercial acumens,
- Verbal and written communication skills,
- Registration with SACNASP as a Professional Animal Scientist,



- Experience in technology transfer through popular and peer-reviewed articles, presentations and demonstrations,
- Knowledge on safety standards as prescribed by the Occupational Health and Safety Act,
- Ability to work in a team,
- A valid South African driver's licence.

**Enquiries: Dr. BD Nkosi, Tel: (012) 672 9300**

**CLOSING DATE FOR APPLICATIONS: 01 JULY 2022**

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 license and nationality. NB: 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-mail to [APICV@arc.agric.za](mailto:APICV@arc.agric.za).

SAQA evaluation report must accompany foreign qualifications. Incomplete applications will not be considered. Applicants who do not receive any response four (4) weeks after the closing date must 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.

