

CAREER OPPORTUNITY

The Council for Scientific and Industrial Research (CSIR) is a leading scientific and technology research organisation that researches, develops, localises and diffuses technologies to accelerate socio-economic prosperity in South Africa. The organisation's work contributes to industrial development and supports a capable state.

Senior Researcher: Geochemistry

About the job:

The CSIR has a vacancy for **Senior Researcher** in the **Smart Places Cluster** within the **Water Center**. The incumbent will conduct research in the hydrogeological field as it relates to the geochemistry (or geology and chemistry) and understanding of hydrogeological impacts of land-use changes through hydrogeological assessments, including groundwater resource quality measures to enable/promote smart water use, and develop high quality and commercialisable/implementable technical outputs. This position is based in Stellenbosch.

About the Smart Places Cluster

The CSIR, with its rich multidisciplinary science, engineering and technology base – in climate change, environmental sciences, energy, water, building science, spatial planning and cleaner production – is ideally positioned to contribute to smarter places, including smart buildings, cities and regions, manufacturing, water use and energy use. Applying these skills to create truly smart places, would significantly improve the lives of South Africans. Smart places are places with efficient utility services, such as electricity and water. In terms of water, expertise extends to water and wastewater treatment technologies, real-time water management systems, water resource monitoring and water resource risk mitigation.

For more information about the cluster, please visit [SMART Places | CSIR](#)

Key responsibilities:

- Promote a culture of SET excellence (quality and delivery) and providing research leadership;
- Promote a culture of industrialization of research outcomes;
- Interact with stakeholders (clients, peers, etc.) within fields of expertise to develop long-term relationships both within and outside the CSIR;
- Conduct project management through robust, integrated planning;
- Raise personal, team and institutional profiles through publishing original research and presenting work at national and international conferences and workshops;
- Write, and review research proposals; research reports, client reports and peer-reviewed publications;
- Conceptualise, structure, manage and implement research projects;
- Contribute to policy research in support of South Africa's national priorities;
- Liaise with both internal and external clients and other relevant stakeholders;
- Conceptualise, structure, management and implementation of multi-disciplinary research projects.

Qualifications, skills and experience:

- A Master's degree in hydrogeology; preference being a doctoral degree in hydrogeology;
- At least five years' experience in hydrogeology as it relates to geochemistry or geology and chemistry, and the understanding of hydrogeological impacts of land-use changes through groundwater resource quality measurements.
- Applied knowledge and understanding of geochemical investigations with particular focus on groundwater resource quality assessments and monitoring techniques.
- Conceptualisation, structuring, management and implementation of multi-disciplinary research projects.
- Contribute to policy research in support of South Africa's national priorities.
- Write, and review research proposals; research reports, client reports and peer-reviewed publications.
- Liaise with both internal and external clients and other relevant stakeholders.
- Ability to work independently as well as in teams;
- Project management skills.
- Research and report writing skills.
- Communication and presentation skills.
- Problem solving, solution seeking orientation.
- Ability to provide thought leadership and mentoring.
- High level conceptualisation and analytical skills.
- Excellent facilitation and interpersonal skills.
- Computer literacy.

Please ensure that all work experience, abilities and skills are grouped together and not referenced all over the advert.

Should you meet the above requirements, please email your CV to msebelebele@csir.co.za with your name and surname, position title and reference number in the subject line, **(eg. John Smith: Job title: Reference No: 313117)**

Closing date: 31 January 2024

PLEASE NOTE THAT FEEDBACK WILL BE GIVEN TO SHORTLISTED CANDIDATES ONLY.

For more info, please contact the CSIR Recruitment Centre on **012 841 4774** or email us at Recruitmentinfo@csir.co.za

*The CSIR is an equal opportunity employer. As such, it is committed to the employment Equity Act and will through the filling of this vacancy, give preference to candidates from designated groups in terms of the Employment Equity Act. By applying for this position at the CSIR, the applicant understands, and agrees that the CSIR may solicit a credit and criminal report from registered credit bureau and/or South African Police Services (in relation to positions that requires trust and honesty and/or entail the handling of cash or finances), and may also verify the applicant's educational qualification and employment history. **The CSIR reserves the right to remove the advertisement at any time before the stated closing date and it further reserves the right not to appoint if a suitable candidate is not identified.***