**The University of KwaZulu-Natal (UKZN) is committed to Employment Equity. Preference will be given to applicants from the designated groups in accordance with our Employment Equity Plan.**

**COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE**

**POSTDOCTORAL RESEARCHER: Sustainable Agricultural Intensification**

**TWO YEAR FIXED-TERM APPOINTMENT**

**Centre for Transformative Agricultural and Food Systems (CTAFS)**

**School Of Agricultural, Earth and Environmental Sciences**

**PIETERMARITZBURG CENTRE**

**REF NO. CTAFS01/2022**

The Sustainable Agriculture Matrix (SAM) Consortium is a transdisciplinary and transnational network (includes partners from the USA, Austria, Brazil, Turkey, South Africa and sub-Saharan Africa) for co-developing an indicator system and associated products to (1) provide a consistent and transparent measurement of agriculture sustainability and improve accountability towards achieving sustainable agriculture and SDGs; (2) support dialogue, coordination and collaboration among stakeholders; (3) identify the inter-linkages among agriculture-related SDGs and improve the understanding of socio-economic and ecological dynamics in agricultural systems and beyond; and (4) identify and implement strategies towards sustainable agriculture. The CTAFS seeks to appoint a dynamic, innovative and self-motivated professional with a background in sustainable agriculture in a multidisciplinary set-up to support the SAM Consortium. The candidate is also expected to contribute to project deliverables and publish their research findings in accredited journals. As part of our transdisciplinary team, the successful candidate will be exposed to exciting research challenges and get many opportunities to foster their career growth through innovative solutions. An appointment will be on a 2-year fixed-term appointment subject to satisfactory performance and budget availability.

**Minimum Requirements**

* PhD related to sustainable agriculture and/or PhD in specific earth-related disciplines (e.g. agrometeorology, crop science, geography, Remote Sensing, hydrology/hydrometeorology), with evidence of sustainable agriculture experience.
* A proven research record as evidenced by recent publications in peer-reviewed ISI/DHET rated journals.
* Good programming in, e.g., R, Python, MATLAB and scripting skills.
* Computer simulation and/or statistical modelling skills
* Experience working in multidisciplinary teams.

Other desirable attributes relevant to the post include a background in analytical GIS and remote sensing skills, experience in developing web applications, and a valid driver’s licence.

Enquiries and details regarding this post may be directed to Prof Tafadzwa Mabhaudhi at email: mabhaudhi@ukzn.ac.za

The closing date for receipt of applications is 31 January 2022. However, this advert will remain open until the position is filled.

Applicants are required to submit the following: (1) CV with publication record, (2) letter of motivation, (3) Full academic records, and (4) contact details of two academic referees to Nopayi Mkhize, email: [MkhizeN34@ukzn.ac.za](mailto:MkhizeN34@ukzn.ac.za)

**The advert Reference Number MUST be clearly stated in the subject line.**