



**5 CREATES Scholarships for Regional PhD candidates available starting in April, 2018 - PhD by Research and Thesis only
(Tanzanians do not qualify for this Call since the required number for Tanzanian Students has been reached)**

The Centre for Research, agricultural Advancement, Teaching Excellence and Sustainability in Food and Nutritional Security (CREATES), hosted by the School of Life Sciences and Bioengineering at the Nelson Mandela African Institution of Science and Technology (NM-AIST) has opened its PhD positions for suitable candidates to apply for specialties in the four CREATES main streams namely; Sustainable Agriculture, Food and Nutrition Sciences, Biodiversity Conservation and Eco-system Management, and Global Health and Biomedical Sciences. This newly established African Centre of Excellence, CREATES, is aimed at students who are gifted, passionate, creative and free thinkers, innovative, and who will be job-creators rather than job-seekers in the future. CREATES provides experiential teaching, a buzzing atmosphere of international and interdisciplinary research and education activities, novel technologies and private-public partnerships with the industry and the community at large as well as hands-on learning experience and evidence-based problem solving projects. CREATES encompasses novel curricula approaches, cutting-edge research facilities and highly skilled national, regional and international supervisors in various fields of Life Sciences. CREATES encompasses Six main streams, i.e "Sustainable Agriculture", "Food Biotechnology", "Clinical Human Nutrition and Dietetics", "Biodiversity Conservation and Ecosystem Management", as well as "Global Health and Biomedical Sciences", which involves aspects of "Drug Development and Nanoscience".

Applicants for these PhD positions should have the following qualifications, knowledge and essential attributes:

- Have MSc degree in Life Sciences or relevant discipline
- Have at least one scientific publication in an international peer-reviewed renowned Journal
- The MSc degree should be recognized by NM-AIST senate and Tanzania Commission for Universities (TCU)
- Be able to draft and submit a research proposal concept note with the application documents Including title, brief introduction, methodology and expected results), showing that they are capable of Carrying out original research in the relevant field.
- Be below the age of 40 at application date
- Be able to publish scientifically in high impact peer reviewed international Journals (and preferably already have such publication)
- Have interest in the above teaching and research approach and be able to work independently and in the team

- Have excellent English oral and writing skills
- Be willing to specialize in one of the CREATES Pillars
- Have a high degree of computer competence and Familiarity with modern statistical software.
- Have the ability to work in multi-disciplinary and international teams
- Be self-motivated and be able to work under pressure to meet the deadline when required.
- Female candidates are strongly and highly encouraged to apply

Details of the Scholarship

The PhD scholarship programme has already started and will run for three years. All students will receive a partial scholarship over this time frame. The partial scholarship will cover University fees and direct student costs (i.e., a monthly stipend at the rate of US\$200 per month to cover living expenses (meals and upkeep allowance) while in Tanzania. Accommodation fees are being paid directly to NM-AIST which provides student hostels. Support to attend pre-scribed courses and/or undertake research in partner institutions will be covered as will be determined by CREATES Management Team and the respective students and supervisors. All students are required to apply for additional funding to cover their research activities.

Mode of application

- Applicants are required to provide their Curriculum Vitae (CV)
- A one-page abstract of your MSc thesis
- Scientific publication
- Two recommendation letters, one from their latest employer and the other from previous supervisor / educator
- Certified copies of academic certificates. All applicants holding foreign qualifications must have their qualifications validated and equated by the respective regulatory bodies before being allowed for admissions as follows:
 - The Tanzania Commission for Universities in respect of University Qualification Framework
 - (UQF) Level 6 to 9 qualifications
 - The National Council for Technical Education in respect of NTA Level 6 to 9 qualifications
 - The Vocational Education and Training Authority in respect of certificates in vocational education and training
 - The National Examination Council of Tanzania in respect of certificates secondary education and teacher education.
- Any publications they might have achieved
- A maximum 2-page motivation letter why they think they should be selected for this CREATES programme
- A 3-page concept note on a proposed research topic including a title, brief introduction, methodology and expected results.
- Successful candidates will be required to attend an oral interview
- Short listed applicants will be invited for an interview shortly after the deadline

CREATES RESEARCH THEMES

Pillars	Sustainable Agriculture	Food and Nutrition Science		Biodiversity Conservation and Ecosystem Management		Global Health and Biomedical Science	
Main Research Themes	Sustainable Agriculture	Human Nutrition and Dietetics	Food Science and Technology	Sustainable Use of Natural Resources	Biodiversity Conservation	Emerging and Re-emerging Health Threats	Pathogen Surveillance Preparedness and Response
Sub-Research Themes	Plant Molecular Breeding for Managing Biotic and Abiotic Stress	Clinical Nutrition	Agro-Processing and Postharvest Losses Management	-Rangeland Science and Management	Molecular Biodiversity and Bio-Prospecting	Human and Animal Infectious Diseases	Diseases Modelling and Predictions
	Sustainable Management of Tropical Agriculture Production Systems	Dietetics	Food Safety	Rangeland Science and Management	Molecular Biodiversity and Bio-Prospecting	Human and Animal Infectious	Vaccinology
	Pest Diagnostic and Management in Agriculture	Community Nutrition	Functional Food for Health	Land use Scenarios under Climate Change	Invasive Species Management	Zoonoses	Herbal Products and Pharmaceuticals
	Agro-ecology			Human Wildlife Co-existence	Community Based Conservation	Non Communicable Diseases	Diagnostics
	Seed borne Pathogens					Antimicrobial Resistance (AMR)	Risk Assessment and Management
	Molecular Plant Pathology						

Mode of applications and deadline

All application documents should be sent electronically to:
createspostgrad@nm-aist.ac.tz

Deadline for this application is **March 18th**,

Recruitment will be done in April, 2018.

For more information about the position and the CREATES please visit the NM-AIST website www.nm-aist.ac.tz under the menu of Schools and Centres

You can also visit <http://nm-aist.ac.tz/pages/lisbe.php>