

Botswana University of Agriculture and Natural Resources (BUAN) offers teaching, research and service in Agriculture and Natural Resources. The University's vision of becoming a vibrant research-intensive institution, is set to make BUAN an employer of choice both in the region and internationally. The University is in process of creating a Centre for Sustainable Resources and a Centre for the Bioeconomy, which will provide initiatives to develop research, innovation and entrepreneurship in these two strategic areas.

Botswana is a high middle-income, dynamic, resource-based economy, with exceptional natural resources and a wide diversity of environments. The transition to a knowledge-based economy is key to the country's future development, and the management of its resources and biodiversity is also a key long-term challenge. BUAN is developing capacity in order to address these opportunities for the future.

The University presents the following opportunities and invites candidates to be part of its journey to becoming a vibrant research-intensive institution.

#### 1. VACANCY CIRCULAR NO. 2020:10:38

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN BIOINFORMATICS AND COMPUTATIONAL BIOLOGY – ONE POSITION

The successful candidate will provide research and academic leadership in areas such as genome analysis, population genomics, quantitative genomics, transcriptomics, structure analysis and molecular modelling, or other areas of data analysis as applied to agriculture and natural resources.

#### 2. VACANCY CIRCULAR NO 2020:10:39

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN BIOTECHNOLOGY – ONE POSITION

The successful candidate will provide research and academic leadership in areas such as genomics, genome engineering, protein engineering, biopharmaceuticals, bioprocessing, cell culture and fermentation technology, biofuels, or other areas of biotechnology as applied to agriculture and natural resources.

#### 3. VACANCY CIRCULAR NO 2020:10:40

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN AGRICULTURAL ENTOMOLOGY – ONE POSITION

The successful candidate will provide research and academic leadership in areas such as; insect pest ecology and interactions in cropping and natural ecosystems, insect pest control, pesticide resistance and toxicology, insect pest population dynamics and modelling in cropping and natural ecosystems.

#### 4. VACANCY CIRCULAR NO: 2020: 10:42

##### SENIOR LECTURER/LECTURER IN AGRICULTURAL/BIOSYSTEMS ENGINEERING – ONE POSITION

The successful candidate will be conduct research in crop production machinery, strength of materials, tractor and implement technology, agricultural mechanization systems, tillage systems. A focus on precision agriculture would be of particular value.

#### 5. VACANCY CIRCULAR NO: 2020: 10:43

##### SENIOR LECTURER/LECTURER IN RENEWABLE ENERGY – ONE POSITION

The successful candidate will conduct research in renewable energy resources assessment, technology assessment, economic and financial assessment of renewable energy systems, energy storage and distribution systems, design, installation maintenance of renewable energy systems.

#### 6. VACANCY CIRCULAR NO 2019:10:44

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN DAIRY SCIENCE AND PRODUCTION – ONE POSITION

The successful candidate will provide research and academic leadership in dairy genomics, dairy goats management, dairy hygiene, dairy nutrition and physiology as well as dairy products processing and influence the country's dairy policy. Identify emerging dairy animal species such as donkeys and camels and carry out innovative research to commercialize their products.

#### 7. VACANCY CIRCULAR NO. 2020:10:45

##### SENIOR LECTURER/LECTURER IN ANIMAL SCIENCE AND PRODUCTION – ONE POSITION

The successful candidate will lead research in in livestock genomics, livestock production and management of different classes of livestock ruminants and non-ruminants.

#### 8. VACANCY CIRCULAR NO. 2020:10:46

##### SENIOR LECTURER/LECTURER IN DAIRY SCIENCE AND PRODUCTION – ONE POSITION

The successful candidate will conduct research in livestock genomics, dairy cattle/dairy goats management, dairy nutrition and physiology, dairy hygiene and dairy products development and processing.

#### 9. VACANCY CIRCULAR NO 2019:10:47

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN VETERINARY BIOMEDICAL SCIENCES OR VETERINARY EPIDEMIOLOGY – THREE POSITIONS

The successful candidates will provide research and academic leadership in Biomedical Sciences including laboratory investigations into animal diseases and medicines, or Veterinary Epidemiology including disease prevention, control, and monitoring in animal populations. The candidates will also carry out either biomedical or epidemiological data analyses as applied to agriculture and natural resources.

#### 10. VACANCY CIRCULAR NO 2020:10:48

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN WILDLIFE MANAGEMENT – ONE POSITION

The successful candidate will provide research and academic leadership in areas that include wildlife population dynamics, human-wildlife interaction, wildlife reproduction and mortality, population viability analysis, habitat selecting and partitioning, and other areas related to sustainable use and conservation of wildlife.

#### 11. VACANCY CIRCULAR NO 2020:10:49

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN WATER RESOURCES MANAGEMENT – ONE POSITION

The successful candidate will provide research and academic leadership in areas that include wastewater management, precision irrigation, integrated water resources management, climate change impacts on water resources, watershed management, water harvesting, and other areas as applied to sustainable development and management of wildlife and related resources.

#### 12. VACANCY CIRCULAR NO 2020:10:50

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN LAND AND CLIMATE SCIENCES – ONE POSITION

The successful candidate will provide research and academic leadership in areas that include land and food systems, water-climate-food nexus, climate variability and change, climate model evaluation and ensembles, applied mathematics in climate research, sustainable land management, and other areas within the discipline of land and climate sciences.

#### 13. VACANCY CIRCULAR NO 2020:10:51

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN ENVIRONMENTAL MANAGEMENT - ONE POSITION

The successful candidate will provide research and academic leadership in areas that include environmental change, environmental systems, sustainable development, environmental policies and application, waste management, remote sensing/geographic information systems, environmental management technology, environmental economics, and other areas related to environmental sustainability

#### 14. VACANCY CIRCULAR NO. 2020:10:60

##### SENIOR LECTURER/LECTURER IN BIOSYSTEMATICS - ONE POSITION

The successful candidate will conduct research in biosystematics, taxonomy and molecular biology; phylogenetic analysis, molecular evolution, and incorporating phylogenetic diversity into conservation planning, as well as other areas supporting research in biodiversity conservation in agriculture and natural resources.

#### 15. VACANCY CIRCULAR NO. 2020:10:61

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN ANALYTICAL CHEMISTRY – ONE POSITION

The successful candidate will provide research and academic leadership in broad areas of analytical chemistry such as analytical methods development, separation science, atomic and molecular spectroscopy, chemometric and quality control and assurance, material science, water quality and environmental chemistry.

#### 16. VACANCY CIRCULAR NO 2020:10:62

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN BIODIVERSITY CONSERVATION – ONE POSITION

The successful candidate will provide research and academic leadership in areas such as plant and animal diversity and conservation, human impact and protection of biodiversity, causes and measures to conserve endangered species, adaptation and mitigation measures to conserve diversity under climate change condition, response to diversity of fauna and flora to climate change, and management of protected areas.

#### 17. VACANCY CIRCULAR NO 2020:10:63

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER/LECTURER IN BIOMETRY– TWO POSITIONS

The successful candidates will provide research and academic leadership in areas such experimental designs and data analysis of data from experiments; modelling systems in agriculture and natural resources; research methods for biotechnology and genetic analysis.

#### 18. VACANCY CIRCULAR NO 2020:10:64

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN AGRICULTURAL EDUCATION – TWO POSITIONS

The successful candidates will provide research and academic leadership in agricultural education and training, curricular issues, professional development, integration of technology into teaching and learning, administration and supervision of agricultural education enterprises, measurement, testing and evaluation.

#### 19. VACANCY CIRCULAR NO. 2020:10:65

##### SENIOR LECTURER/LECTURER IN AGRICULTURAL EDUCATION – ONE POSITION

The successful candidate will lead and undertake ad research in areas across the teaching and learning of agriculture, curriculum design and the integration of technology in teaching and communication.

#### 20. VACANCY CIRCULAR NO 2020:10:66

##### PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER IN AGRICULTURAL EXTENSION – TWO POSITIONS

The successful candidates will provide research and academic leadership in agricultural innovations system and technology transfer and adoption among farming communities; management of agricultural extension/agricultural advisory services.

#### 21. VACANCY CIRCULAR NO. 2020:10:67

##### SENIOR LECTURER/LECTURER IN AGRICULTURAL EXTENSION AND RURAL DEVELOPMENT - ONE POSITION

The successful candidate will conduct research and extension in agricultural innovation systems and technology adoption among farming communities; management of agricultural extension/agricultural advisory services.

#### 22. VACANCY CIRCULAR NO. 2020:10:68

##### SENIOR LECTURER/LECTURER IN AGRICULTURAL COMMUNICATIONS - ONE POSITION

The successful candidate will conduct research in agricultural communications and linguistic issues across the different fields of agriculture and natural resources.

#### 23. VACANCY CIRCULAR NO. 2020:10:69

##### SENIOR LECTURER/LECTURER IN AGRICULTURAL ECONOMICS - TWO POSITIONS

The successful candidate will conduct research in agricultural economics, labour economics, rural development, agribusiness, policy and trade.

#### 24. VACANCY CIRCULAR NO. 2020:03:19

##### DIRECTOR, MEAT INDUSTRY TRAINING INSTITUTE

The successful candidate will provide research and academic leadership to MITI by planning, developing, directing, initiating and implementing: Academic programmes and plans that define the shape and scope of MITI in line with the vision, mission and values of the University; A strategic plan for MITI and making it consistent with the University strategic plan; A plan for the academic quality in the Institute. The Director will develop a research program in line with the requirements of the meat industry in Botswana.

#### 25. VACANCY CIRCULAR NO. 2020:07:61

##### MANAGER, RESEARCH DEVELOPMENT – ONE POSITION

The successful candidate will be responsible for the following areas; Identify opportunities for collaborative research; Compile past research outputs for possible commercialization; Protect research discoveries and intellectual property; Develop commercial opportunities for research outputs; Administration of research and teaching activities within the Faculty; Marketing of research programs and activities; Management of research collaborations and partnerships; Liaison between funding agencies and researchers.

All positions are available either on pensionable terms or a five (5) year contract, renewable on successful performance.

A competitive remuneration package with attendant benefits is offered together with a stimulating working environment.

For full details of each position see: <https://www.buan.ac.bw/vacancies/>

For further information please contact Dr Jasper Rees (VC@buan.ac.bw) or Prof James Nsoso (DVCAAR@buan.ac.bw).

Applications quoting the vacancy number, the post being applied for and accompanied by a cover letter, detailed CV, certified copies of educational/professional certificates, and at least three (3) recent contactable referees addressed and email to:

The Director, Human Resources  
Botswana University of  
Agriculture and Natural Resources  
Private Bag 0027 GABORONE

Email: [academicrecruit@buan.ac.bw](mailto:academicrecruit@buan.ac.bw)

CLOSING DATE: 27 NOVEMBER 2020



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