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**College of Agriculture & Environmental Sciences**

**Research focus areas for 2023: Department of Agriculture and Animal Health**

**Information required for the 2022 application**

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| **Please complete the information required in this form and submit a CV, Academic Transcripts as well as Concept Note of your proposed research** |
| **Degree you wish to apply for** | Master’s in Agriculture  |  | **PhD in Agriculture** |  |
| **Personal details and Contact information** |
| Title |  | Qualifications  |
| Surname |  |  |
| First names |  |  |
| Maiden name |  |  |
| Identity no/Passport no |  | Gender  | Male | Female |
| E-mail address |  | Nationality |  |
| City |  | Ethnic group |  |
| Postal code |  | Contact number |  |
| Country of residence |  | Cell number |  |
| **Employment details** |
| Job title |  |
| Company |  |
| Department |  |
| City |  |
| **Please ensure that you have submitted the following documents and tick which you have submitted** |
| Curriculum Vitae (CV) |  | Academic transcripts of previous qualifications |  | Concept note |  |
| Did you consult the Guide on How to Write a Concept Note which is available on the college website under Open Resources? https://www.unisa.ac.za/sites/corporate/default/Colleges/Agriculture-&-Environmental-Sciences/Open-Resources  | Yes**Yes** | No |
| **References: Please provide the following information from 2 References** |
| **Reference 1** | **Reference 2** |
| Title |  | Title |  |
| Surname |  | Surname |  |
| First names |  | First names |  |
| E-mail address |  | E-mail address |  |
| Cell phone number |  | Cell phone number |  |
| Daytime phone number |  | Daytime phone number |  |
| **Source of funding for the research project** |
| Do you have funding for your studies? | **Yes**  | No |
| If Yes, which of the following applies: **Either of Bursary or Personal find** | Bursary | Yes | No | Personal funds | Yes | No |
| **Field of interest** (chose only 1 as this should relate to your specialisation field as per your qualification) |
| Animal Science |  |
| Plant Science |  |
| Animal Health |  |
| Agricultural Economics |  |
| Food Security |  |
| **In which focus area are you interested in that relates to the field of interest? Choose one of the following** |
| **Animal Science**: Poultry Production (production management and biosecurity, breeding, physiology and nutrition), Monogastric nutrition (use of non-conventional feed resources, indigenous feed resources and Feed restriction methods) and Optimization models. Ruminant nutrition including large and small stock (pasture science, range and forage) |  |
| **Animal Health**: Animal Diseases – infectious and non-infectious diseases, Epidemiology of tickborne diseases (tickborne diseases), Veterinary Public Health/applied epidemiology (epidemiology of food borne diseases and antimicrobial drug resistance in domestic animals and humans), &Animal Nutrition and animal health, Phytomedicine and microbiology ((Epidemiology and diagnosis of Infectious diseases, antimicrobial drug resistance and drug development from plants/chemicals in both domestic animals and humans). Animal welfare.  |  |
| **Plant Science**: Field crop production research, Vegetable production research, Plant genetics/breeding and biotechnology research, Soil analyses research, Soil metabolomics, Irrigation and water management including hydroponics research, Plant protection research including plant pest/diseases research, Crop post-harvest research, Pasture production research, Organic and inorganic fertilizer application research, Indigenous crops research (Propagation and cultivation of indigenous plants and the effects on their chemical profile and biological activity), Plant metabolomics (metabolites, medicinal plants and assessment of these effects on the chemical profiles and biological activity), Plant-microbe/herbivore interactions (plants interacting with herbivores and microbes and especially pathogens). |  |
| **Agricultural Economics:** Agricultural production economics, Agribusiness & value adding, Land reform, Agricultural Extension related research, Bio-fuel/Bio-Energy, Agricultural marketing and Price Analyses, Agricultural Policy Analyses research, Risk and Decision Making Research, Agricultural management, Economic viability of projects, Value chain, international trade, rural finance, climate change (Adaptation strategies, CSA, Precision Agriculture, etc), Agricultural cooperatives research, Trend analyses research in Agriculture, Agricultural Entrepreneurship related research, Impact assessment of projects/programmes, the general Agricultural Socio-economic research; and Food security (National, Household food and nutrition security, urban agriculture, indigenous/ traditional vegetables and fruit, ethnic foods & food safety challenges). |  |
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| **Have you consulted the Focus Areas document for Agriculture and Animal Health?** | Yes | No |
| Proposed title of your research project:  |
| Indicate who your supervisor should be (give title, initial and surname):  |  |