

**DEPARTMENT OF MICROBIAL, BIOCHEMICAL AND FOOD BIOTECHNOLOGY**  
APPLICATION FOR POST-GRADUATE STUDY IN MICROBIOLOGY, BIOCHEMISTRY,  
BIOTECHNOLOGY OR FOOD SCIENCE

**TITLE and SURNAME:** \_\_\_\_\_ **FIRST NAMES:** \_\_\_\_\_

**POSTAL ADDRESS (ES):** \_\_\_\_\_

(for period up to mid-December) \_\_\_\_\_

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**CONTACT TEL:** (\_\_\_\_) \_\_\_\_\_ **MOBILE:** \_\_\_\_\_ **FAX** (\_\_\_\_) \_\_\_\_\_

**NATIONALITY:** \_\_\_\_\_ **E-MAIL:** \_\_\_\_\_

**STUDENT NUMBER (UFS):** \_\_\_\_\_ **I.D. NO:** \_\_\_\_\_

**The degree you wish to follow:** \_\_\_\_\_

(e.g. M.Sc., Ph.D.)

**In which discipline:** \_\_\_\_\_

(Microbiology, Biochemistry, Biotechnology or Food Science)

**Specific field of research interest:** \_\_\_\_\_

(Indicate first and second choices as well as name of supervisor, if known)

- **Microbial Diversity:** We find and describe yeasts, bacteria and archaea from everyday environments to extreme habitats. Who knows what these amazing organisms can teach us?
- **Human and Animal Health:** Understanding pathogenic microbes as well as the biochemistry of certain non-infectious diseases will improve treatment and lead to a better quality of life.
- **Drugs and Vaccines:** Rational drug and vaccine design in the department focuses on infections and diseases affecting humans, animals and plants.
- **Green Chemistry:** Microorganisms or enzymes are used to produce chemicals that can be used for renewable feedstocks, produce less pollution, are more energy-efficient and more specific.
- **Food Science:** Research topics include quality from farmer to the consumer, product and process development or improvement, the biochemical or chemical changes during food processing, microbial spoilage and safety of food.

**Previous degrees:** \_\_\_\_\_

(Curriculum vitae and full study record to be included; **not necessary if previous degrees were awarded by UFS;**

If previous degrees were obtained from a non-South African university, a **SAQA-evaluation certificate** might be requested prior to final selection; you will be informed if required.)

**University:** \_\_\_\_\_ **Student number:** \_\_\_\_\_

If your previous degrees are not in Microbiology, Biochemistry, Biotechnology or Food Science, please supply information concerning any practical experience that you may have in these disciplines:

**Mail application to:** Dr. Trudi O'Neill, Department of Microbial, Biochemical and Food Biotechnology, University of the Free State, P.O. Box 339, Bloemfontein 9300, SOUTH AFRICA. (email: [oneillhg@ufs.ac.za](mailto:oneillhg@ufs.ac.za))

Further info is available at <http://www.ufs.ac.za/biotech>