

## Details on Project: Industrial Fungal Bioprocesses (NRF programme)

### Focus Area

**Economic growth and international competitiveness**

### Particulars of Applicant

Project Leader	Prof James (JC) Du Preez
Faculty	Natural and Agricultural Sciences
Department/Unit/ Centre	Microbial Biochemical and Food Biotechnology

### Proposal Details

Title	<b>Industrial Fungal Bioprocesses for the Production of Enzymes and Fine Chemicals</b>
Description	Very few bioprocesses are currently used by the South African manufacturing industry. The production of higher value products from cheap bulk substrates should in future be important to the South African economy. In addition to the improvement of established products, there is also a need for new products to enable the South African industry to compete globally. It will be a great advantage if such processes are based on environmentally friendly bioprocesses. It is our aim to develop fungal bioprocesses that can be used in the production of value-added products (i.e. fine chemicals, wood pulp and derived products) from cheap bulk substrates (alkanes, alkenes, wood and cheap carbohydrates). Our efforts will focus on the use of fungal (including yeast) enzyme systems.
Funding	National Research Foundation (NRF), THRIP, SAPPI Management Services, Water Research Commission

### Members

Prof Stephanus (SG) Kilian  
Prof Koos (J) Albertyn  
Dr Kobus (J) Myburgh

### Links

Click on this link to Fermentation Biotechnology Group for other research information	<a href="http://www.ufs.ac.za/content.aspx?id=463">http://www.ufs.ac.za/content.aspx?id=463</a>
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