



## Stellenbosch University, Department of Process Engineering

Stellenbosch, South Africa

<http://processengineering.sun.ac.za/>

<b>Title:</b>	Dietary protein in a yellow pea biorefinery
<b>Abstract:</b>	Yellow peas contain appreciable quantities of highlyvaluable dietary proteins, which are presently imported to South Africa. Local agriculture of yellow peas will provide feedstock for co-production of such dietary protein with food starch, ethanol and/or fibres. The present project assesses alternative production processes for such a biorefinery, through process simulation based on own experimental measurements.
<b>Lead institution:</b>	Stellenbosch University
<b>Partner institutions:</b>	-
<b>Student name:</b>	Julia Annoh-Quarshie
<b>Supervisor name:</b>	Prof JF Görgens
<b>Degree:</b>	MEng
<b>Funded by:</b>	NRF
<b>Start date:</b>	March 2016
<b>End date:</b>	March 2018
<b>Feedstock:</b>	Yellow peas
<b>Value chain products:</b>	Dietary protein, food starch, ethanol
<b>Geographic source of the feedstock:</b>	KZN, WC, MP