



## Council for Scientific and Industrial Research (CSIR)

Natural Resources and the Environment (NRE)

Durban, South Africa

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<b>Title:</b>	Valorisation of fruit and vegetable waste into value added products: biogas and compost
<b>Abstract:</b>	The work presented in this paper was part of an international initiative in which South Africa collaborated in a European Union (EU) sponsored project (Biowaste4SP, an acronym for Biowaste for Sustainable Products) whose mandate was 'turning biowaste into sustainable products by development of appropriate conversion technologies applicable in developing countries' during 2012 – 2015. The Biowaste4SP project was an international collaboration involving 16 research institutions from 10 participating countries from Africa, and Asia as well as support organisations from Europe (see <a href="http://www.biowaste4sp.eu">www.biowaste4sp.eu</a> ). In South Africa, the participants were EThekweni Municipality and the Council for Scientific and Industrial Research (CSIR). The major contributions from South African (EThekweni Municipality) were to demonstrate anaerobic digestion of agro-based biowaste to produce biogas and a compost-derived biofertilizer.
<b>Lead institution:</b>	CSIR
<b>Partner institutions:</b>	UKZN, eThekweni municipality, EU
<b>Principal Investigator:</b>	Prof. Bruce Sithole
<b>Student:</b>	Neville Tawona
<b>Degree:</b>	MSc
<b>Funded by:</b>	CSIR, NRF, EUFP7
<b>Start date:</b>	Sept 2014
<b>End date:</b>	Dec 2016
<b>Feedstock:</b>	Fruit and vegetable waste
<b>Value chain products:</b>	Biogas, compost
<b>Geographic source of the feedstock:</b>	EThekweni Municipality