

Title:	Valorisation of low value fish processing waste : Determining nutritional quality of fish protein hydrolysates and phosphorous supplements in animal diets
Abstract:	<p>Fish processing waste is an organic waste that is produced in high volumes in South Africa. It is highly perishable and oftentimes discarded at sea or in landfill; however, it contains significant amounts of nutrients that could be processed into specialist animal feed ingredients. However, final product characteristics will determine the suitability of the products as feed ingredients, and their market value. For this reason, it is critical to establish the nutritional value of the products that have been developed, in order to generate the data required by feed formulators to include the products in balanced animal diets.</p> <p>The aim of the project is to therefore evaluate the nutritional value of specialist hydrolysed proteins and phosphorous mineral supplements, in practical animal production systems.</p>
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Partner institutions:	-
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Degree:	MEng
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Start date:	January 2016
End date:	December 2017
Feedstock:	Waste originating from fish processing activities
Value chain products:	Specialist hydrolysed proteins and phosphate minerals – aimed for high-value animal feed applications.
Geographic source of the feedstock:	Western Cape