(!) SCIENCE ALERT

	Search
Home	
Journals -	Journals > American Journal of Food Technology > Abstract
▶ Browse by subject	American Journal of Food Technology Year: 2010 Volume: 5 Issue: 1 Page No.: 1-12 DOI: 10.3923/ajft.2010.1.12
▶ A to Z Journals	
Aims & Scope 🚽	Nutritional Evaluation of Wild Sicklepod (Senna obtusifolia) Seeds from Obanliku, Eastern Nigeria
Online First 🔹	J.N. Ingweye, G.A. Kalio, J.A. Ubua and E.P. Umoren
Current Issue 🕞	Abstract: The study evaluated the nutritive value of seeds of wild Senna obtusi as an alternative plant protein source in livestock diets. Proximate composition r showed high dry matter (92.50%), crude protein (29.54%) and crude fiber (10.1 ether extract, nitrogen free extract, ash and calorific values. The vitamin conter showed poor vitamins B_2 , B_1 , C and A but the seeds were rich in vitamin B_3 (1.8
Previous Issues 👻	
Editorial Board 💡	
Guide to Authors 🕞	values compared to other seeds. The seeds were also abundant in calcium (960 i potassium (1,200 mg/100 g), phosphorus (810 mg/100 g), sodium (600 mg/100 g) (640 mg/100 g), iron (234.60 mg/100 g), zinc (53.12 mg/100 g) and copper (10.4 but low in molybdenum, cobalt, chromium, selenium, sulphur and fluorine. The arr profile reveals a high concentration of leucine (7.60 g/100 g protein), histidine (2 protein), proline (2.33 g/100 g protein) and glycine (4.11 g/100 g protein), while the amino acids were of low concentration in the raw seed. The concentration o nutrients in the legume seeds recorded high values (260, 185, 388.50 and 83.25 for alkaloid, saponin, tannin and oxalate respectively, while phytate, hydrocyanic phytohaemaglutinin levels were low. The high level of most anti-nutrients indicat potential for interfering with the utilization of the nutrients by the animals. This i creates a need for detoxification of the seeds through processing before using in feeds.
	[Abstract] [Fulltext PDF] [Fulltext HTML] [References] [View Citation] [Report
	How to cite this article:
	Ingweye, J.N., G.A. Kalio, J.A. Ubua and E.P. Umoren, 2010. Nutritional evaluat sicklepod (<i>Senna obtusifolia</i>) seeds from obanliku, South-Eastern Nigeria. Am. J. Technol., 5: 1-12.
	DOI: <u>10.3923/ajft.2010.1.12</u>

URL: http://scialert.net/abstract/?doi=ajft.2010.1.12

COMMENT ON THIS PAPER

Full Name:	
E-mail:	
Comments:	
Security Question:	1+11=? jn 12 jn 1