

PRINT: ISSN 0971-8923 ONLINE: ISSN 2456-6756

# JOURNAL OF SOCIAL SCIENCES

*Interdisciplinary Reflection of Contemporary Society*

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J. Soc. Sci., 15(3): 229-233 (2007)

PRINT: ISSN 0971-8923 ONLINE: ISSN 2456-6756

DOI: 10.31901/24566756.2007/15.03.05

## **Production and Productivity of Crustacean in Nigeria**

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**KEYWORD** Crustacean; productivity; stochastic frontier; technical efficiency; production

**ABSTRACT** The study examined the Productivity and Technical Efficiency (TE) of Crustacean Production in Nigeria using the stochastic frontier production function analysis. Primary data were collected using a set of structured questionnaire administered on 100 crustacean producers who were selected using a multistage sampling technique. Producers were selected from five villages in Ilaje Local Government Area of Ondo state, Nigeria. Results showed that Crustacean production was in the rational stage of production (stage II) as depicted by the Returns to Scale (RTS) of 0.8045. Foundation stock, feeds, labour cost, equipment cost, and other costs were efficiently allocated and used, as confirmed by each variable having estimated coefficient value of between zero and unity. The Technical Efficiencies of the producers varied between 0.45 and 0.98 with a mean of 0.70 and about 40% of the producers had TE exceeding 0.70. This study further revealed that feeds and equipment cost significantly affected TE while other socioeconomic variables such as age of producers led to decrease in TE but family size increased TE. Thus these variables are important policy variables for improving Crustacean production in Nigeria.