



MES AMANI COLLEGE
OF VANDALUR

NCIATRI²³ ABSTRACTS²⁰

Editors

**Ansar E. B., Dhanya P. R., Jisha K. C., Kesavan K.
Lathif Penath, Mohammed Areej E. M. & Sheena P. A.**



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Growth Performance Study of *Anabas Testudineus* by Utilization of Prawn Shell Waste as a Potential Fish Feed Ingredient

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Fish meal is habitually considered as the major protein source in fish feed for fish culture. Rising cost, deteriorating quality and unavailability of fishmeal caused huge difficulty in modern aquaculture, particularly for fish nutrition. Nearly all *Anabas testudineus* cultures faced loss, due to high feed costs, inappropriate feed formulation and management. So it was necessary to find a profitable replacement of fishmeal, which could provide better growth performance to *A. testudineus*. A feeding trial was conducted for 120 days in 200-L circular fibre tanks with proper aeration, to compare the influence of prawn shell waste, in the formulated diet and commercial feed for *A. testudineus*. *Anabas* fishes were collected from a local farm and are distributed into two fibre enforced tanks, 5 fishes were stocked in each tank for comparing fish growth rate and feed utilization. This study revealed that the prawn shell waste were tested and confirmed satisfactory results, having 33.4% protein.

KEYWORDS: Prawn Shell Waste, Formulated Feed, Growth Performance.