

ICAR- CIFTEQ[®] Chitin and Chitosan from Prawn Shell Waste

Salient features

- Chitin is a nitrogenous polysaccharide (poly N-acetyl Amino D- glucose) found in the outer skeleton of insects, exoskeleton of crabs and shrimps and internal structure of lobsters and other invertebrates.
- Chitin is present as chitin protein complex along with minerals mainly calcium carbonate.

Advantages

- ✓ On dietary supplementation, chitin is beneficial in boosting the growth of healthy gut bacteria, anti- inflammatory, preventing and curing the inflammatory bowel disease and helps in weight loss.



Process

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Technology /

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Product

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developed by

Year

1992

Source of funding

Indian Council of Agricultural Research

More information

Status of commercialization / Patent / Publications

Madhavan, P. (1992). Chitin, chitosan and their novel applications. Science lecture series, CIFT, Kochi, 1.

Technology transferred to:

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1. Uniloids Biosciences Pvt. Ltd., Andhra Pradesh
 2. V.V.Biotech Private Limited, Andhra Pradesh
 3. The Kerala State Co-operative Federation for Fisheries Development Ltd (Matsyafed)
 4. Fab Dye Kem Pvt Ltd., Alappzuha