

## ICAR- CIFTEQ<sup>®</sup> Water Soluble Chitosan

### Salient features

- Normally, the native pH of Carboxymethyl chitosan lies at the alkaline range; whereas the product developed by ICAR-CIFT is soluble over a wide range of pH, viz 6-9
- The product is biocompatible and devoid of any cellular toxicity

### Advantages

- ✓ Active ingredient in feed, foliar spray and insecticide formulations
- ✓ It is a dietary fibre which increases faecal mass, reduces the glycemic response of the food, and lowers the cholesterol level.
- ✓ Excellent heavy metal adsorption characteristics i.e. promising option for water treatment.
- ✓ The excellent moisture holding characteristics along with the similarities with the extracellular matrix polysaccharides makes it ideal for cosmetic applications.



### Process

### Technology / Product

### developed by

### Year

### Source of funding

### More information

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### Status of commercialization / Patent / Publications

Binsi, P. K., & Zynudheen, A. A. (2018). Carboxymethyl chitosan (CMCH): A water-soluble derivative of chitosan