

APPLICATION

Low cost protein hydrolysate developed from the edible silkworm pupa which is rich in nutrients particularly quality protein and lipid.

COMPANY NAME	TECHNOLOGY READINESS LEVEL (TRL)	INTELLECTUAL PROPERTY
Innotech LLP	TRL: 4 (Concept proven from lab scale)	IP filing process is under progress
FOUNDERS' NAME		
Prachurjya Dutta		

PROBLEM ADDRESSED

Malnutrition in all its forms remains a global concern, particularly affecting highly vulnerable populations in several regions of the world. The Global Nutrition Report, 2016 confirms the urgency of collective action to combat malnutrition cascading. NE India, being extensive grower of silkworms, our startup is focused on the following aspects:

- Sustainable technology for silkworm pupae processing and value addition as food products.
- Novel pharmaceutical and nutraceutical products (protein hydrolysates; lipids and bioactive compound).
- Process development for inhibiting/eliminating allergens.

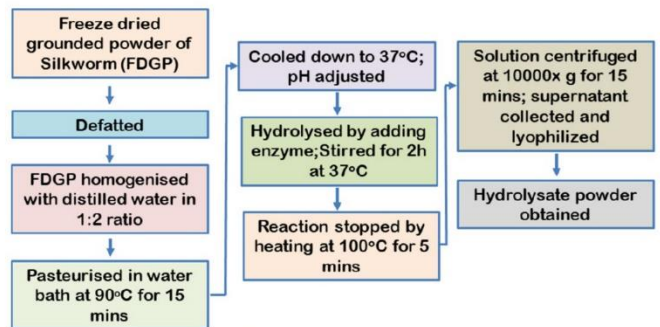
ABOUT THE TECHNOLOGY

Waste silkworm pupae of Indian silk industry are the primary source for the development of safe processed foods. The functional components are extracted and isolated from waste silkworm pupae for the development of functional food and health supplements. 8 variations of the ready to eat food products from waste silk pupae would be available after extensive in-depth analysis of the shelf-life, packaging and nutrient content of the protein extract.

Reach Us:

Dr. Amaresh Panda, Lead- TTO, Mob: +91-9819053408
 Mr. Praveen Paliwal, Manager-TTO, Mob: +91 9588652185
 Technology Transfer Office, KIIT-TBI
amaresh@kiitincubator.in, praveen@kiitincubator.in,
tto@kiitincubator.in, <https://tto.kiitincubator.in>

PROCESS FLOW



USP

- Low cost alternative to conventional meat or other protein source
- Rich in protein and other micro nutrients
- Apart from nutritional benefits it also have medicinal values

END USERS/CUSTOMERS

1. Consumers
2. Sports Nutrition
3. Raw material for other products such as protein bar
4. Use of by products in other industries