COMMERCIALIZATION OF TECHNOLOGIES AND PRODUCTS

Products and Technologies for Commercialization

**Softwares**
- Expert System for Precision Computation of Atmospheric Water Natura Data

**Technologies**
- Anti-Fungal Fungi Endostractines and Endocrinogens
- Aromatherapeutic Textile Product Technology
- Bacteriological Water Testing Kit
- Biofertilizers
- BSEK/SEK
- Eco-friendly Solvents
- Fruit CRM-PR System in Processing Jasmine
- Genetically Inherent CMI Lines of Brinjal and Brinjal Crosses
- The crop propagation Propagules for Sugarcane, Potatoes, Mango and Banana
- Animal Dung
- Natural Finger/toe Sugarcane and Grapes
- Oregano OSM-Based Mustard Hybrid
- Prunus and Pea Traps
- Plant based Natural Dyes
- Protective Gloves for Oils Planters
- Red Wine from Punjabi Purple Grapes
- Royal jelly by Honey Bees

**Biotechnologists**
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**Contractor**

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**Technologies Commercialized**

**Aromatherapeutic Textile Products (2014)**
The technology of aromatherapeutic textile products was licensed to Ms. MP Fresh Foods Private Limited, Ludhiana on non-exclusive basis.

**Brinjal Hybrid PBH-3 (2013)**
The parental lines of brinjal hybrid PBH-3 were licensed to Ms. Onkar Seeds Corporation, Khidroan, Pakistan on non-exclusive basis to produce and sell the seeds of PBH-3.

**Consortium Bio-fertilizers (2015)**
The PMJ has granted the rights to MS. OMJS, Patiala for manufacturing and marketing of the Consortium bio-fertilizer developed by PMJ on non-exclusive basis. The consortium bio-fertilizer is useful for sugarcane, wheat, maize, onion, cotton and tomato crop.

**Fermented Circulation Solar Dryer (2013)**
The PMJ has offered non-exclusive rights to MS. Windermax Solar Energy Corporation, Phullan regarding the manufacturing and selling of the Forced Circulation Solar Dryer developed by the university.

**Gluten-free Atta (2015)**
The PMJ has licensed the formulation of gluten-free atta to the Ms. Agrinex Food Private Limited, Ludhiana on non-exclusive basis.

**Honey Heating-cum-Filtration Machine (2013)**
The PMJ has granted the rights to MS. Agriex Food Private Limited, Ludhiana on non-exclusive basis to manufacture and market honey heating-cum-filtration machine.

**Multi Grain Instant Porridge (2015)**
The PMJ has granted the rights on non-exclusive basis to the Ms. Earth Foods India Foods, Ludhiana on non-exclusive basis to manufacture and sell the seeds of Multi Grain Instant Porridge developed by PMJ.

**Navy Hybrid PBH-5 and PBH-6 (2014)**
The parental lines of Navy Hybrid PBH-5 and PBH-6 were licensed to Ms. Ashwani Seeds India Private Limited, Talmansan, on non-exclusive basis to produce and sell the seeds of navy hybrids.

**Poly Nucatine (2014)**
The PMJ has provided the technology of poly nucatine to MS. Farming Solutions Private Limited, Ludhiana on exclusive basis for three years to manufacture and market Complete Knock Down (CKD) KMs.

**Premix for Ready to Fry Potato Snacks (2015)**
The PMJ has provided the technology of premix for ready to fry potato snacks to MS. White Gold Food Processing, Ferozepur, Ludhiana on non-exclusive basis.

**PQCM Culture (Bio-fertilizer) (2015)**
The PMJ has granted the rights to MS. Sollar Crop Sciences Incorporation, Akolapur on non-exclusive basis for manufacturing and marketing of the bio-fertilizer based on the PQCM Culture developed by PMJ.

**Thickendestra based Diabetic Medicine (2013)**
The PMJ has licensed the technology for bio-control of Host root of paddy using Thickendestra kurganica strain to Ms. International Pounsrana Limited. These diets on exclusive basis to undertake further research and development, manufacture, and market the Thickendestra based bio-pesticide.

**Vegetable Washing Machine (2013)**
The technology of vegetable washing machine was licensed to MS. Builders, Ludhiana on non-exclusive basis to manufacture and market the machine.

**Vegetable Variety (2015)**
The PMJ has offered non-exclusive rights to produce and sell the seeds of CHB hybrid CH-27, brinjal hybrid PBH-4 and PBH-5, Musa Mona hybrid MON-27 and Onion Variety PBH-4 to Kalash Seeds Limited, Ludhiana.

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**CROP VARIETIES**

**Cereals and Fodder Crops**
- Barani Rice: Punjab Barani 2 and Punjab Barani 3
- Wheat:
  - Khara Wheat: PMH-1, PMH-2, PMH-3, PMH-4, PMH-6, Parkash & Modh (Composite)
  - Green Wheat: PMH-7, PMH-8 and PMH-10
- Penyra: Barani

**Vegetables**
- Brinjal Hybrid PBH-3 and PBH-4
- Carrot: Punjab Carrot Red and Punjab Black Beauty
- Chilli: CH-27, Punjabi Sindhi and Punjab 70
- Muskmelon: NIR-177
- Onion: PBN-6