

Achievements

- Two patents have been filed by the institute:
 - Application No: 3255/MUM/2012
Title: Process for one step synthesis of bactericidal silver nano-particles from tissue extracts of *Labeo rohita*.
 - Application No: 3127/MUM/2015
Title: Development of a microbially derived polymeric product for gel formation, microbial colonization and metals binding.
- Application for Trademark of ICAR-NIASM has been filed at Trademark Registry Office Mumbai.
- Potential technologies of ICAR-NIASM identified by ITMC:

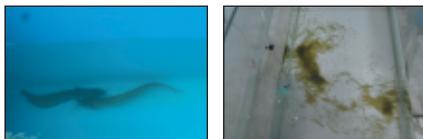
- Dragon fruit: Wonder crop for degraded and water scarce area.



- Enhancing profitability from ratoon sugarcane with efficient management of sugarcane waste (Trash) and improved ratoon management practices by using a multi-purpose "SORF Machine" (Stubble shaving, Off-barring, Root pruning and Placement of basal dose of fertilisers).



- Breeding and seed production of stinging catfish, *Heteropneustes fossilis* (Singhi).



Activities of the ITMU

- The Unit is working on behalf of institute for registration of technologies as Patents, Trademark, Copyright, Plant breeder's rights and Geographical indication at Mumbai Registry Office.
- Actively involved in providing information, orientation related to different IPR issue and facilities to institute researchers & scientists.
- Organization of IPR awareness programmes in collaboration with other ICAR institutes.
- Collection and documentation of the literature related to IPR and Agricultural Technology.

Composition of ITMC

Dr. N. P. Singh, Director, ICAR-NIASM	Chairman
Dr. Jagadish Rane, (Head, SDSM and Member Secretary, SRC)	Member
Dr. K. K. Krishnani, (Head, SESM)	Member
Dr. A. R. Desai, Senior Scientist, (Fruit Science) ICAR-CCARI, Goa as IPR Expert	Member
Dr. A. K. Singh, Senior Scientist as Technical Expert	Member
Dr. B. Sajjanar, Scientist as IPR Expert	Member
Dr. D. P. Patel, OIC ITMU	Member Secretary

Technical Folder No. 13



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ITMU

Role and Achievements



ICAR- National Institute of Abiotic Stress Management
(Deemed to be University)

Malegaon, Baramati - 413 115, Pune, Maharashtra, India

Introduction

Institute Technology Management Unit (ITMU) has been established at ICAR-National Institute of Abiotic Stress Management (ICAR-NIASM) to facilitate the management of various technologies developed by the institute and Intellectual Property Right (IPR) related issues. Institute Technology Management Committee (ITMC) is the highest decision making body at the institute which oversee the activities of ITMU. The novel tools, technologies, products, varieties and practical methods developed by the institute are being registered at National Agencies and documented at ITMU. The management, transfer of technologies and its dissemination to the farming community is co-ordinated by the ITMU.

Objectives

- To pursue all Intellectual Property (IP) protection, maintenance, transfer and commercialization related matters at the institute level following ICAR guidelines and any other administrative or policy decisions taken by ICAR from time to time.
- To create awareness about IPR's.
- To facilitate commercialization of technologies.
- To accelerate technology development and utilization by the entrepreneurs for commercialization of agricultural technologies.
- To provide prior art search/ patent search to staff of the institute.
- To collect and document literatures related to agricultural technologies.

Intellectual Property Rights (IPR's)

- Intellectual property (IP) refers to novel inventions, literary and research works, symbols, names, images and designs.
- Intellectual property rights considered as reward/ recognition for creativity and skilful work in execution of ideas.
- They also entitle inventor to prevent others from using, dealing or tampering with inventor's product without prior permission from inventor. Inventor can in fact legally use them to stop and compensate for any damages.
- The invention or technology developed by the scientists /staff of ICAR-NIASM can be protected through IPR's.

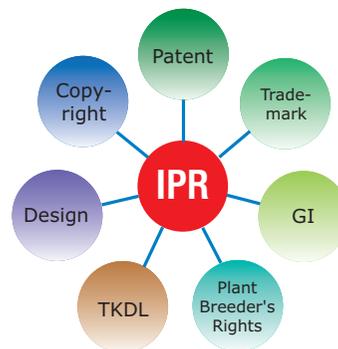


Figure: Schematic presentation of IPR's

Types of IPR's

1. **Patent** : Patent is an exclusive right granted by law to an inventor or assignee to prevent others from commercially benefiting from his/her patented invention without permission, for a limited period of time in exchange for detailed public disclosure of patented invention.

2. **Plant Breeder's Rights** : Plant breeder's rights are rights granted to the breeder of a new variety of plant that give the breeder exclusive control over the propagating material (including seeds, cuttings, tissue culture) and harvested material (cut flowers, fruit, foliage) of a new variety for a number of years.
3. **Traditional Knowledge Digital Library (TKDL)** : Traditional knowledge is in the form of stories, legends, folklores, rituals, songs and even laws. TKDL is an initiative to provide the information on traditional knowledge existing in the country, in languages and format understandable by patent examiners at International Patent Office's (IPOs), so as to prevent the grant of wrong patents.
4. **Geographical Indication (GI)** : A geographical indication is basically a notice stating that a given product originates in a given geographical area.
5. **Trademark** : A trademark is a sign that individualizes the goods or services of a given enterprise and distinguishes them from those of competitors. To fall under the law of protection, a trademark must be distinctive and not deceptive, illegal or immoral.
6. **Design** : It is the aesthetics and ergonomics of a product. It consists of three-dimensional elements such as the creation of the product's shape, or two-dimensional ones, such as graphics, patterns and colours.
7. **Copyright** : Copyright is a form of protection provided to author of "original works" and includes such things as literary, software, dramatic, musical, artistic and certain other intellectual creation both published and unpublished.