



## Online Course in Plant Biosecurity (MOOCs Platform)



**NATIONAL INSTITUTE OF PLANT HEALTH MANAGEMENT**

Department of Agriculture, Cooperation & Farmers Welfare  
Ministry of Agriculture & Farmers Welfare, Government of India  
Rajendranagar, Hyderabad - 500 030, Telangana, India.

**National Institute of Plant Health Management (NIPHM)** is a premier autonomous Institute under Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture & Farmer's welfare, Government of India established in the year 2008 with the expanded scope of promoting environmentally sustainable Plant Health Management practices in diverse and changing agro-climatic conditions and Plant Biosecurity Management and Pesticide Management through capacity building programmes. It also provides inputs for policy development on Plant Health Management, Plant Biosecurity, Pesticide Management, etc. NIPHM activities revolve around six areas namely capacity building, education, adaptive research, consultancy, policy development and projects.



### About the course:

#### Online course in Plant Biosecurity:

India is rich in biodiversity with varied climatic conditions which is vulnerable to exotic invasive pest threats. The exponential expansion of trade in agricultural material leads to high incidence of exotic pest into India. The recent incursion of many invasive pests such as tomato pin worm (*Tuta absoluta*), rugose spiralling whitefly (*Aleurodicus rugioperculatus*) and fall army worm (*Spodoptera frugiperda*) make huge loss to farmers in terms of crop loss

and management using chemical spray. Most of these invasive alien species have established and invaded widespread areas in India, due to lack of awareness among stakeholders and due to inadequate surveillance, containment and eradication programmes.

Plant Biosecurity is of paramount importance to any country to safeguard food-security, sustainability of agricultural/horticultural production and also in protecting livelihood of people. It has emerged as an urgent issue, which requires implementation of regulations, policies, enhancement of technological capabilities and human capacity building to meet such threats. Realizing the importance of plant biosecurity, NIPHM launched its first online course in Plant Biosecurity (3 months duration) in 2019 and completed 2 batches and the course received an overwhelming response. In order to increase the reach out and cover large number of candidates, NIPHM proposed to launch the third batch of online course in Plant Biosecurity in the month of April, 2020.



### Salient features of the course

The course will be beneficial for the candidates in the following aspects:-

- As an online course in a user-friendly manner under MOOCs platform
- Comprehensive coverage to cater the sectorial needs
- Availability of reading material for each subject covered under the course
- Comprehensive assessment of the candidates
- A certificate (on successful completion) from NIPHM for better employment prospects for the candidates.

<b>Eligibility Criteria:</b>	<p><b>1. Essential Qualification:</b> Graduate in any stream (Provisional or degree certificate has to be uploaded in support of claim) / pursuing final year in graduation in any stream (Bonafide study certificate issued by Head of the Institution / College has to be uploaded in support of claim).</p> <p>2. The degree must be from a recognized Indian university</p> <p>3. The degree must be from any Indian University incorporated by an Act of Central or State Legislature in India or other educational Institution established by an Act of Parliament or declared to be deemed University under section 3 of the University Grants Commission Act, 1956</p> <p>4. In case the qualification of a candidate is from a foreign university, it must be recognized by government of India, as equivalent to a degree offered in India</p>
<b>Minimum Age:</b>	20 years
<b>Course Fee</b>	<p>Rs.2000/-</p> <p>1. Fee for entire programme is Rs. 2000/- which is to be paid at the time of admission</p> <p>2. Fee is to be paid to NIPHM through RTGS (wire-transfer) after approval of registration for the course</p>

### Course Structure and contents:

The certificate course has 24 lectures and will be offered in three months. Reading material on each module covered under the programme will be provided to the students. The course will cover plant biosecurity, International regulatory framework, plant quarantine system, import legislation and regulation in India, import and export procedures for consumption, propagative material, bio-control agents and germplasm, post entry quarantine facility, impact of introduced pests, emerging threats, pest risk analysis, phytosanitary treatments, survey and surveillance, detection and diagnosis of insects, plant pathogens and weed seeds, pest incursion management, regional harmonization of phytosanitary measures to safeguard regional biosecurity.



### Outcome

The plant biosecurity concerns are at three levels, namely global, national and local levels and this course creates awareness at national and local level. It exposes the participants to plant biosecurity concepts, impact of invasive species and exotic pest threats to safeguard Indian Agriculture and forestry.



## Important Events

Name of the Event	Important Dates
Notification about admission	16 <sup>th</sup> January 2020
Online registration and submission of applications	29 <sup>th</sup> February 2020
Verification of application and confirmation of admission on receipt of payment	20 <sup>th</sup> March 2020
Course commences	1 <sup>st</sup> April 2020
Course duration	3 Months



### Patron

**Smt. G. Jayalakshmi, I.A.S.**  
**Director General, NIPHM**

**Course Director: Dr. J. Alice R. P. Sujeetha, Director (Plant Biosecurity)**  
**Course Coordinator: Ms. R. Madhubala, Assistant Scientific Officer (PP)**  
**IT Coordinator: Er. Shaik Liyakhat Ali Ahamed, Assistant Director (ICT)**  
**Course Supervisor: Dr. A. G. Girish, Deputy Director (PP)**

**For clarifications please contact: 04024018788, 789311922 and email: [asoppniphm1-ap@gov.in](mailto:asoppniphm1-ap@gov.in)**