

# Tamil Nadu Agricultural University



## Sponsored Global Workshop on Molecular Methods in Plant Virus Diagnosis

16 – 20 July, 2013

**Venue: DPMB&B, CPMB&B, TNAU, Coimbatore, India**

Vector-transmitted virus diseases have emerged as major constraints to the production and quality of crop plants, worldwide. Resistance against different virus diseases have been identified and deployed in crop plants. However, resistance to virus diseases is often encountered with the breakdown of such resistance. Hence, enhanced research capacity of scientists in contemporary technologies on plant virus diagnosis is essential to design novel strategies to control the virus spread and increase the crop productivity. This workshop aims to cover virus and vector epidemiology and diagnosis using state-of-the-art molecular techniques.

### Jointly Organized By

Department of Plant Molecular Biology and Bioinformatics  
Center for Plant Molecular Biology and Biotechnology  
Tamil Nadu Agricultural University  
Coimbatore, India



Plant Virus Department  
Leibniz-Institut DSMZ  
German Collection of Microorganisms and  
Cell Cultures GmbH, Germany



For further details please contact  
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(or)

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Technical Sessions and Hands on  
experience on

1. Molecular plant virology
2. Genome organization in virus
3. Molecular Assays
4. Cloning and sequencing
5. Bioinformatics in molecular virology

No Registration / bench fee

Last date for receiving application: 30<sup>th</sup> June, 2013.

The application should be sent through proper channel and an  
advance copy to: [bioinformatics@tnau.ac.in](mailto:bioinformatics@tnau.ac.in)



Global workshop on molecular  
methods in plant virus diagnosis

## Proforma of Application

Name of the applicant : \_\_\_\_\_

Present Position : \_\_\_\_\_

Category : Faculty /  
student

Address : \_\_\_\_\_

Mobile : \_\_\_\_\_

E-mail : \_\_\_\_\_

How this training will be useful to  
your research / position?

- 1.
- 2.
- 3.
- 4.

Signature of the applicant

Last date for receiving application:

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### Patron

**Dr. K. Ramasamy**

Vice-Chancellor, TNAU

### Organizing Committee

**Dr. R. Chandra Babu**, Director i/c, CPMB&B

**Dr. M. Maheswaran**, DR i/c

**Dr. E. I. Jonathan**, Director, CPPS

**Dr. N. Kumar**, Dean (Hort.)

**Dr. P. Nagarajan**, P&H, DPMB&B

**Dr. D. Sudhakar**, P&H, DPB

**Dr. N. Ragupathy**, P&H (Pl. Pathol.)

**Dr. P. Jansi Rani**, P&H (Veg.)

**Dr. R. Rabindran**

Faculty of DPB and DPMB&B

### Course Coordinators

#### International

**Dr. Stephan Winter**, Head, PVD, DSMZ

**Dr. Marianne Koerbler**, PVD, DSMZ

#### National

**Dr. N. Manikanda Boopathi**

**Dr. K. Angappan**

**Dr. V. Balasubramani**

**Dr. S. Rajesh**

**Dr. P. Meenakshisundaram**

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## Tamil Nadu Agricultural University



**AVRDC**

The World Vegetable Center

Sponsored

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Tamil Nadu Agricultural University  
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and  
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Germany

# Global Workshop on Molecular Methods in Plant Virus Diagnosis

## Workshop Overview

Vector-transmitted virus diseases have emerged as major constraints to the production and quality of crop plants, worldwide. Resistance against different virus diseases have been identified and deployed in crop plants. However, resistance to virus diseases is often encountered with the breakdown of such resistance in plants was reported. Hence, enhanced research capacity of scientists in contemporary technologies on plant virus diagnosis is essential to design novel strategies to control the virus and increase the crop productivity. This workshop aims to cover virus and vector epidemiology and diagnosis using state-of-the-art molecular techniques.

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4. *Cloning and sequencing*
5. *Bioinformatics in molecular virology*

## About TNAU



Tamil Nadu Agricultural University is the leading agrotechnology provider of India and its graduates are being recognized throughout the world. TNAU has made a significant contribution to the development of more productive and healthy agro-ecosystems through technical innovation and adaptation for improved virus disease management. Field sites and modern laboratories at TNAU are ideally situated to conduct laboratory experiments field and net-house screening of germplasm accessions or mapping populations for virus resistance.



## About DSMZ

Plant Virus Department at Leibniz-Institut DSMZ, GmbH, Germany is one of the leading organizations working on plant virus diagnostics and characterization. It has expertise on virus-vector-plant interactions in many tropical countries and has experience in investigating molecular mechanisms triggered by virus infections leading to recovery and plant resistance which may ultimately have practical applications in the development of virus resistance in crop plants.

## Sponsor

This Workshop is sponsored by Federal Ministry for Economic Cooperation and Development (BMZ) - Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany through the AVRDC - The World Vegetable Center-led International Agricultural Research project "Beating Begomoviruses: Better livelihoods for farmers in tropical Asia with Begomovirus-resistant tomato, hot pepper and mungbean and integrated disease management".

## Procedure to apply Eligibility

This workshop is open to interested faculty, research scholars and PG students from agricultural and other universities. Preference will be given to those who have research program in virus related research.

## Other guidelines

1. There is no registration fee or bench fees.
2. Applicant has to arrange for their travel and accommodation on their own.
3. Applications should be forwarded only through proper channel and an advance copy to [bioinformatics@tnau.ac.in](mailto:bioinformatics@tnau.ac.in).
4. Course materials, working lunch and tea will be provided during the workshop.