



## XLII BRAZILIAN CONGRESS OF PHYTOPATHOLOGY

Rio de Janeiro, August 3rd - 7th 2009

Phytopathology

Science, Evolution and Prospects for the Biotechnology Era

### MINI-COURSE: DIAGNOSIS AND THERAPY OF PHYTOPATHOGENS

**CONVENORS:** Dra. [VERA LÚCIA DE ALMEIDA MARINHO](#) and Dra. [ABI SOARES DOS ANJOS MARQUES](#) (Empresa Brasileira de Pesquisa Agropecuária – Recursos Genéticos e Biotecnologia/ DF)

LECTURE (TITLE)	TIME (minutes)	RESPONSIBLE/ Curriculum Vitae	AFFILIATION	E-MAIL
<b>DAY 08/04</b>				
Introduction Diagnosis: concept, implementation, methods, concepts of sensitivity and specificity	30	Dra. <a href="#">Vera Lúcia de Almeida Marinho</a>	<a href="#">Embrapa - Recursos Genéticos e Biotecnologia/ DF</a>	<a href="mailto:marinho.vera@gmail.com">marinho.vera@gmail.com</a>
Methods for diagnosis (morphological and molecular) from phytopathogenic fungi. Term and chemotherapy, advantages and disadvantages	50	Dr. <a href="#">Ailton Reis</a>	<a href="#">Embrapa - Hortaliças/ DF</a>	<a href="mailto:ailton.reis@pq.cnpq.br">ailton.reis@pq.cnpq.br</a>
<b>DAY 08/05</b>				
Methods for diagnosis (morphological, biochemical, immunological and molecular) of phytopathogenic bacteria.	40	Dr. <a href="#">Carlos Hidemi Uesugi</a>	<a href="#">UnB/ DF</a>	<a href="mailto:uesugich@unb.br">uesugich@unb.br</a>

Term and chemotherapy, advantages and disadvantages				
Methods for diagnosis (morphological and molecular) of phytopathogenic nematodes. Term and chemotherapy, advantages and disadvantages	40	<a href="#">Dr. Vilmar Gonzaga</a>	<a href="#">Embrapa - Recursos Genéticos e Biotecnologia/ DF</a>	<a href="mailto:vilmar@cenargen.embrapa.br">vilmar@cenargen.embrapa.br</a>
<b>DAY 08/06</b>				
Methods for diagnosis of viruses, viroids and phytoplasma: PCR, RT-PCR, ELISA, PCR, Real Time PCR; Cryotherapy and thermotherapy, advantages and disadvantages	50	<a href="#">Dra. Vera Lúcia de Almeida Marinho</a>	<a href="#">Embrapa - Recursos Genéticos e Biotecnologia/ DF</a>	<a href="mailto:marinho.vera@gmail.com">marinho.vera@gmail.com</a>
Presentation practice of using Real Time PCR for the diagnosis	30	<a href="#">Dra. Vera Lúcia de Almeida Marinho</a>	<a href="#">Embrapa - Recursos Genéticos e Biotecnologia/ DF</a>	<a href="mailto:marinho.vera@gmail.com">marinho.vera@gmail.com</a>

**ATTENDANTS: 250**