



NG LEE CHUEN

Dr.

EDUCATION



BSc, PhD. (UPM)

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EXPERTISE

FIELD

Agriculture

Expertise

Agricultural Science

Specialization

Plant Pathology

Biological Control

Plant Growth-promoting Microorganism

Biological Composting

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is on plant pathology, the interactions of plant to pathogen invasion through the physiological and biochemical responds. The responds of plant toward pathogen infection is complex, the detailed understanding of plant physiology and biology, soil science, botany, microbiology and plant defence mechanisms is required. Biological control of plant disease is getting more attention due to the toxicity residual of chemical pesticide. The application of plant growth-promoting microorganism (PGPM), agro-waste compost and silicon (Si) are focused in our research to enhance the plant resistance against pathogen infection and also as an alternative in disease management. The precision in application and the mechanism of reaction are the main emphases in our research. Besides, the use of agro-waste compost and liming material to improve the soil and plant health is also explored as a comprehensive approach in plant disease management. The collaboration from the industry reflexed the significance of the study.

PROFESSIONAL MEMBERSHIP

- The International Society for Silicon

NETWORKING & RESEARCH COLLABORATION

- Universiti Putra Malaysia
- University De Bretagne-SUD, France
- Khon Kaen University, Thailand
- Malaysian Agricultural Research and Development Institute (MARDI)
- Humibox (M) Sdn. Bhd. Malaysia

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