



## The 6<sup>th</sup> Asian-Pacific Conference on Plant-Microbe Symbiosis and Nitrogen Fixation

### Schedule “6<sup>th</sup> APMNF” 7-9 January, 2024

Date	Time	Activities
Tuesday 9-1-24	9.00-9.20	<p><b>Chairman: Prof. Dr. Toshiki Uchiumi</b>  <b>Co-Chair: Dr. Kamonluck Teamtisong</b></p> <p><b>Session: Application of N<sub>2</sub>– fixation &amp; N – cycle (continue)</b></p> <p><b>Invited speaker 1</b>  <b>Prof. Dr. Toshiki Uchiumi</b>            Kagoshima University, Japan</p> <p>Class 1 plant hemoglobin functions in two different symbiotic systems of <i>Lotus japonicus</i></p>
	9.20-9.35	<p><b>speaker 2</b>            Transcriptome Analysis of Two RpoN Sigma Factors in <i>Bradyrhizobium</i> sp. Strain DOA9: Insights into Nitrogen Fixation Regulation under Free-Living Conditions</p> <p><b>Dr. Jenjira Wongdee</b></p>
	9.35-9.50	<p><b>speaker 3</b>            Mechanism of endophytic bradyrhizobial cell viability, differentiation, and nitrogen fixation in rice, chili, and tomato</p> <p><b>Dr. Teerana Greetatorn</b></p>
	9.50-10.15	<b>Coffee Break</b>
	10.15-10.35	<p><b>Chairman: Prof. Dr. Arinthip Thamchaipenet</b>  <b>Co-Chair: Dr. Katsuharu Saito</b></p> <p><b>Session: Non – legume and Microbial Symbiosis</b></p> <p><b>Invited speaker 1</b>  <b>Prof. Arinthip Thamchaipenet</b>            KU, Thailand</p> <p>Beneficial endophytic streptomycetes alleviate salinity tolerance in rice</p>
	10.35-10.55	<p><b>Invited speaker 2</b>  <b>Prof. Dr. Katsuharu Saito</b>            Shinshu University, Japan</p> <p>Enhancing asymbiotic growth in arbuscular mycorrhizal fungi using mixed fatty acids</p>



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	10.55-11.10	<p><b>speaker 3</b> Arbuscular mycorrhizal <i>Acaulospora morrowiae</i> suppresses growth and nutrient uptakes of host plants regardless of soil P availabilities</p> <p><b>Dr. Lompong – Klinnawee</b></p>	
	11.10-11.25	<p><b>speaker 4</b> Matching of cannabis endophytic bacterial microbiomes for plant growth stimulation and metabolite promotions</p> <p><b>Dr. Panlada Tittabutr</b></p>	
	11.25-13.00	<b>Lunch</b>	Room: Lunch Room (Nimman)
	13.00-13.20	<p><b>Chairman: Prof. Dr. Shin Okazaki</b> <b>Co-Chair: Prof. Dr. Chang-Fu Tian</b></p> <p><b>Session: Legume and Rhizobial symbiosis</b></p> <p><b>Invited speaker 1</b> <b>Prof. Dr. Shin Okazaki</b> TUAT, Japan</p> <p>Symbiotic roles of rhizobial type III effectors in soybean nodulation</p>	Room: Doi Luang-Doi Nang
	13.20-13.40	<p><b>Invited speaker 2</b> <b>Prof. Dr. Chang-Fu Tian</b> China Agricultural University, China</p> <p>Optimization mechanisms for symbiotic function of broad-host-range <i>Sinorhizobium fredii</i></p>	
	13.40-13.55	<p><b>speaker 3</b> Wild mungbean resistance to the nematode <i>Meloidogyne enterolobii</i> involves the induction of phenylpropanoid metabolism and lignification</p> <p><b>Dr. Sook-Kuan Lee</b></p>	
	13.55-14.10	<p><b>speaker 4</b> Performance in nurseries and analysis of native microbial symbionts of Australian Acacia hybrid seedlings in Northern Vietnam (Phu Tho Province)</p> <p><b>Ms. Anh Phuong Ngo</b></p>	
	14.10-14.25	<p><b>Flash poster presentation (even No.)</b> (1 min/person)</p>	

December 7-9, 2024, Chiang Mai, Thailand.



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	14.25-14.45	Coffee Break
		Committee meeting Room: Small Party Room
	14.45-15.45	Poster presentation (even No.)
		Room: Doi Luang-Doi Nang
	15.45-16.00	<p><b>Chairman: Dr. Toungporn Uttarotai</b>  <b>Co-Chair: Dr. Pongdet Piromyou</b></p> <p><b>Session: Young Scientist (Oral presentation)</b></p> <p><b>speaker 1</b>  Phylogenetic diversity of rhizobia nodulating <i>Crotalaria pallida</i> intercropped with coffee trees in Gia Lai province, Vietnam</p> <p><b>Mr. Long Nguyen Van</b></p>
	16.00-16.15	<p><b>speaker 2</b>  Unveiling the Tripartite Synergistic Enhancement of Plant-Arbuscular Mycorrhizal Fungus Symbiosis by endophytic <i>Bacillus velezensis</i> S141 in <i>Lotus japonicus</i></p> <p><b>Mr. Sutee Kiddee</b></p>
	16.15-16.30	<p><b>speaker 3</b>  Enhancement of Rhizobial Inoculant for Peanut through Co-inoculation with Phosphate-Solubilizing Bacteria</p> <p><b>Dr. Jean Louise Cocson Damo</b></p>
	16.30-16.45	<p><b>speaker 4</b>  Basidiomycetes Fungi isolated from rice in northern Thailand: Advantage or Disadvantage?</p> <p><b>Ms. Sahar Absalan</b></p>
	16.45-17.00	<p><b>speaker 5</b>  Isolation and characterization of cowpea rhizobia in Myanmar</p> <p><b>Dr. Aung Zaw Htwe</b></p>
	17.00-17.15	<p><b>speaker 6</b>  Role of type IV secretion system (T4SS) in <i>Bradyrhizobium</i>-legumes symbiosis</p> <p><b>Ms. Praneet Wangthaisong</b></p>



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	17.15-17.30	<b>speaker 7</b> Identification of a genomic region related to host specificity in nodule symbiosis of <i>Lotus burttii</i>  <b>Mr. Yuhei Chiba</b>	
	17.30-17.45	<b>speaker 8</b> Phyllospheric Bacteria Isolated from Broccoli ( <i>Brassica oleracea</i> var. <i>italica</i> ) as Biocontrol Agent against <i>Ralstonia solanacearum</i> and as Plant Growth Promoting Bacteria  <b>Mr. Ariya Putra</b>	
	17.45-18.30	<b>Special lecture by Prof. Shusei Sato</b> Overview & Inspiration on Plant-microbe interaction Research: The future and the possible collaboration	
	18.30-18.50	<b>Closing Remark</b> - Summarize the overall research from the 6 <sup>th</sup> APMNF by Prof. Dr. Kiwamu Minamisawa  - Summarize of the meeting and closing the conference by Prof. Dr. Neung Teaumroong	
	19.30-23.00	<b>Banquet &amp; Awards Ceremony</b>  (Dressing with Traditional Thai Northern Style)	Room: Room: Doi Suthep 1-2