



# GIANT PRAWN 2017

## PROGRAMME – TECHNICAL SESSION



MONDAY 20 MARCH			
<b>8.00 – 9.00 AM: REGISTRATION</b> <b>9.00 – 9.30 AM: OPENING CEREMONY</b> Chief Guest: Prof. Worsak Kanok-Nukulchai, President, AIT			
Chairs: Patrick Sorgeloos Chumnarn Pongsri			
Invited papers	Update on global farmed freshwater prawn production statistics	Michael New	9.30-10.00
	Research and development work and current status of Macrobrachium farming in Thailand	Uthairat Na-Nakorn	10.00-10.30
Group photo and Coffee break			
Invited papers	Status of Macrobrachium farming in India	C. Mohanakumaran Nair	11.00-11.30
	Status of Macrobrachium farming in Vietnam and prospects for further development	Tran Ngoc Hai	11.30-12.00
	Small-scale farming of <i>M. nipponense</i> and <i>M. rosenbergii</i> in China	Yang Guoliang	12.00-12.30
Lunch break			
Chairs: Cherdsak Virapat Amara Yakupitiyage			
Sponsors papers	Genetic improvement of SPF giant freshwater prawns: advancement after five generations of selective breeding	Donghuo Jiang, CP Group, Thailand	13.30-13.50
	Giant Prawn Stocking Programme in Thailand	Nutthapong Wannapat, DoF, Thailand	13.50-14.10
	The stocking strategies of giant freshwater prawn <i>Macrobrachium rosenbergii</i> for culture-based fisheries	Tuantong Jutagate, Ubon Ratchathani University	14.10-14.30
	Distinctive histopathology of <i>Spiroplasma eriocheiris</i> infection in the giant river prawn, <i>Macrobrachium rosenbergii</i>	Rapeepun Vanichviriyakit, Centex Shrimp, Thailand	14.30-14.50
	Applications for genetic tools in selective breeding: implications for giant prawn	Cynthia T Lawley, Illumina, USA	14.50-15.10
	Q & A		15.10-15.30
Tea break			
Panel discussion	Why does freshwater prawn farming expand in some countries and not in others?		16.00-17.30
Panel Chair: Patrick Sorgeloos			
	WELCOME DINNER hosted by DoF, Thailand		18.30-20.30

**TUESDAY 21 MARCH**

**Chairs: Uthairat Na-Nakorn  
Donghuo Jiang**

<b>Invited papers</b>	<b>Current state of the art in all-male and all-female <i>Macrobrachium</i> production and plans for the future</b>	<b>Amir Sagi</b>	<b>08.30-09.10</b>
	<b>Genomic and other omics in <i>Macrobrachium</i> research and their potential impact on the farming of this genus</b>	<b>Peter Mather</b>	<b>09.10-09.40</b>
	<b>Hatchery production methods and broodstock development for <i>Macrobrachium</i> species</b>	<b>William Daniels</b>	<b>09.40-10.10</b>

**Coffee break**

<b>Invited papers</b>	<b>The status of <i>Macrobrachium</i> research and farming in Malaysia and prospects for expansion</b>	<b>Mohd. Fariduddin Othman</b>	<b>10.40-11.10</b>
	<b>Current status of and prospects for <i>Macrobrachium</i> farming in the USA mainland, Hawaii and US Territories</b>	<b>James Tidwell</b>	<b>11.10-11.40</b>
	<b>Status and prospects for <i>Macrobrachium</i> farming in Brazil</b>	<b>Patricia Moraes-Valenti</b>	<b>11.40-12.10</b>
	<b>Q &amp; A</b>		<b>12.10-12.30</b>

**Lunch break**

**Chairs: Endhay Kusnendar Konatara  
Rapeepun Vanichviriyakit**

<b>Contributed papers</b>	<b>All-female biotechnology, means for intensified culture</b>	<b>Assaf Shechter</b>	<b>13.30-13.45</b>
	<b>Culturing all-female prawns pays off – an economic perspective</b>	<b>Raveh Gill-More</b>	<b>13.45-14.00</b>
	<b>Latest on all-male production: Three generations of cultured prawn without W chromosome</b>	<b>Eli Aflalo</b>	<b>14.00-14.15</b>
	<b>Size-selective predation by all-male prawns – implications for sustainable bio-control over apple snail invasions</b>	<b>Amit Savaya Alkalay</b>	<b>14.15-14.30</b>
	<b>Detection of plasmodium from freshwater giant prawn, <i>Macrobrachium rosenbergii</i></b>	<b>Marina Hassan</b>	<b>14.30-14.45</b>
	<b>New selective breeding line for <i>Macrobrachium rosenbergii</i> in Malaysia-a candidate gene approach</b>	<b>Norainy Mohd Husin</b>	<b>14.45-15.00</b>
	<b>The impact of quorum sensing and quorum quenching on survival and growth of giant freshwater prawn <i>Macrobrachium rosenbergii</i> larvae when challenged with pathogenic <i>Vibrio campbellii</i></b>	<b>Pande Gde Sasmita</b>	<b>15.00-15.15</b>
	<b>Relative gene expression studies on <i>Macrobrachium rosenbergii</i> supplemented with immunomodulatory medicinal herbs</b>	<b>Jasmine Anand</b>	<b>15.15-15.30</b>

**Tea break**

<b>Panel discussion</b>	<b>Broodstock, hatchery and biotechnological innovations</b>  <b>Panel Chair: Amir Sagi</b>	<b>16.00-17.30</b>
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WEDNESDAY 22 MARCH			
Chairs: William Daniels Nguyen Tran Hai			
Invited papers	Advances in feeding practices and in zootechniques to improve survival in prawn hatcheries	Patrick Sorgeloos	08.30-09.00
	Current status of <i>Macrobrachium</i> nutrition and grow-out feeds and feeding	Amara Yakupitiyage	09.00-09.30
	Freshwater prawn farming in integrated systems	Wagner Valenti	09.30-10.00
Coffee break			
Invited papers	History, current status and prospects for <i>Macrobrachium</i> farming in Taiwan	Ta-Chih Cheng	10.30-11.00
	Status and future prospects for <i>Macrobrachium</i> farming in Myanmar	Nyan Taw and Soe Tun	11.00-11.30
	The culture model and key point of commercial <i>Macrobrachium</i> feed technology in China	Zhang Song	11.30-12.00
	Alternative reproductive strategies in freshwater prawns of the genus <i>Macrobrachium</i>	Ilan Karplus	12.00-12.30
	Lunch break		
Chairs: Harold Philips Peeyush Soni			
Contributed papers	Lethal salinity determination and larvae survival of <i>Macrobrachium carcinus</i>	Eudes De Souza Correia	13.30-13.45
	Larval survival of <i>Macrobrachium carcinus</i> (Linnaeus, 1758) in different rearing systems	João Paulo Lima	13.45-14.00
	Towards development of microbound diet and its application on larval and post larval of freshwater prawn, <i>Macrobrachium rosenbergii</i>	Noordiyana Mat Noordin	14.00-14.15
	Dietary feeding regimes for freshwater shrimp under biofloc system	Ashraf Suloma	14.15-14.30
	Effects of carbon sources on growth freshwater shrimp and bacteria community in biofloc nursery phase	Rania	14.30-14.45
	Effect of Biodegradable Substrate and Biofloc on the Growth Performance of <i>Macrobrachium rosenbergii</i> Nursed in Zero-Water Exchange, Non-Recirculating System	Abdullah Rahim	14.45-15.00
	Larval rearing of freshwater prawn ( <i>Macrobrachium rosenbergii</i> ) applying bioflocs technology with different carbon sources	Tran Nguyen Duy Khoa	15.00-15.15
	Effects of dissolved oxygen concentrations on food intake, growth and oxygen consumption of giant freshwater prawn	Do Thi Thanh Huong	15.15-15.30
Tea break			
Panel discussion	Grow-out systems and their problems in freshwater prawn farming  Panel Chair: Rohana Subasinghe		16.00-17.30
AIT PRESIDENT'S RECEPTION DINNER			

THURSDAY 23 MARCH			
Chairs: Peter Mather Eli Aflalo			
Invited papers	Health management for Macrobrachium farming	Rohana Subasinghe	08.30-09.00
	Macrobrachium in Bangladesh	Md Ayaz Hasan Chisty	09.00-09.30
	Status of <i>Macrobrachium</i> culture in Indonesia with special reference to genetic improvement and integration with other farming systems	Endhay Kusnendar	09.30-10.00
Coffee break			
Invited papers	Progress in the farming of various Macrobrachium species in the islands of the Pacific	Timothy Pickering	10.30-11.00
	Status and prospects for <i>Macrobrachium</i> farming in Russia with particular reference to the use of thermal effluents	Nikolina Kovatcheva	11.00-11.30
	The rise and fall of a pro-poor initiative in aquaculture: The story of the Noakhali Freshwater Prawn industry	Harvey Demaine	11.30-12.00
	Giant prawn market and trend	Fatima Ferdouse	12.00-12.30
Lunch break			
Chairs: Mohd. Fariduddin Othman Timothy Pickering			
Contributed papers	Factors influencing declining productivity of giant freshwater prawn farming across the pacific region; approaches to addressing the problems	Satya Nandlal	13.30-13.45
	R&D status and development of the Malaysian giant freshwater prawn industry	Subha Bhasu	13.45-14.00
	Growth and survival of giant freshwater prawn <i>Macrobrachium rosenbergii</i> de Man under the climatic conditions of Bihar	Poonam Prakash	14.00-14.15
	Comparative efficacy of plant-based diet on growth performance of post larval stage of freshwater prawn <i>Macrobrachium rosenbergii</i>	Balasaheb Chavan	14.15-14.30
	Effect of mineral levels in freshwater prawns ( <i>Macrobrachium rosenbergii</i> ) fed plant protein based diets supplemented with microbial phytase	Rasina Rasid	14.30-14.45
	Replacement of seawater with crude salt for giant freshwater prawn larvae rearing with reference to trace metal impact	Mohammad Lokman Ali	14.45-15.00
	Effects of various sodium and potassium concentrations mediums on Na/K-ATPase activity and condition indices at different larval stages of <i>Macrobrachium rosenbergii</i>	Kamran Rezaei Tavabe	15.00-15.15
	Effects of moringa leaves ( <i>Moringa oleifera</i> ) extraction on quality changes and melanosis of giant freshwater prawn ( <i>Macrobrachium rosenbergii</i> ) during chilled storage	Nurul Ulfah Karim	15.15-15.30
Tea break			
CLOSING SESSION			16.00-17.00