

# 第一届中国-新西兰藻类与环境双边会议 第一轮通知

## The 1<sup>st</sup> China-New Zealand Forum on Algae and Environment

第一届中国-新西兰藻类与环境双边会议将于 2019 年 3 月 28 日在中国科学院水生生物研究所召开，由中国科学院藻类重点实验室、藻类生物技术和生物能源研发中心共同举办，旨在传播和探讨藻类生物技术在环境领域的广泛应用。本次大会不仅力邀到新西兰国家水和大气研究所（National Institute of Water and Atmospheric Research, Ltd）、悉尼科技大学（University of Technology Sydney）、Cawthron Institute、奥塔哥大学（University of Otago）等知名研究机构的科学家和技术专家，同时还邀请到中国科学院水生生物研究所、中国科学院南京地理湖泊研究所、暨南大学的研究人员，从藻类培养和废水治理、水体修复、水华治理及藻类生物技术在其他领域的应用等多角度来分享他们的研究成果和经验。

我们诚挚邀请您莅临本次大会，期待通过本次会议进一步加强我国与国际同行在藻类与环境领域的学术交流，拓宽视野，促进合作，扩大我国在国际同行中的影响，推动藻类生物技术和环境领域的可持续发展。

### 一、会议组织

主办：中国科学院水生生物研究所

承办：中国科学院藻类重点实验室、藻类生物技术和生物能源研发中心

### 二、会议时间

2019 年 3 月 28 日—3 月 30 日

### 三、会议地点

中科院水生生物研究所 3 号实验楼 2 层报告厅

### 四、会议日程

**Friday, March 29, 2019**

9:00 am-9:10 am	<b>Opening Remark</b>	
	9:00 am - 9:10 am	Welcome Speech: Zhan Yin/Wei Hu? (Director, IHB-CAS, China)
Session I Chair: Qiang Hu	9:10 am - 9:30 am	A Cyanobacterial Model System to Study Assembly and Electron Transport Processes of the Photosystem II Complex of Oxygenic Photosynthesis Julian Eaton-Rye (University of Otago, New Zealand)
	9:30 am - 9:50 am	Controlling the Planktonic Microalgae: the Key for Ecosystem Restoration of Eutrophic Shallow Lakes Zhengwen Liu Nanjing Institute of Geography & Limnology, CAS
	9:50 am - 10:10 am	Microalgae as a Resource for Biofuels and Bioproducts Jose A Olivares (LANL, USA)
10:10 am -10:40 am	<b>Group Photography &amp; Coffee Break</b>	
Session II Chair: Julian Eaton-Rye	10:40 am-11:00 am	Research and Engineering Application of Constructed Wetlands in China Zhenbin Wu (IHB-CAS, China)
	11:00 am - 11:20 am	Developing Enhanced Pond Systems for Wastewater Treatment in New Zealand Rupert Justin Craggs (NIWA, New Zealand)
	11:20 am - 11:35 am	Other NZ Algae Biotechnology Research Rupert Justin Craggs (NIWA, New Zealand)
	11:35 am - 11:55 am	Microalgal Harvesting using Membrane Filtration: Challenges and Perspectives Xuezhi Zhang (IHB-CAS, China)
	11:55 am - 12:15 am	Zooplankton Dynamics in Wastewater Treatment High Rate Algal Ponds and Development of Effective Control Methods Valerio Montemezzani (NIWA, New Zealand)
12:15 pm-1:00 pm	<b>Lunch</b>	

Session III Chair: Xuezhi Zhang	1:00 pm - 1:20 pm	Long-term Changes in Ecosystem and Restoration Practice in a Mesotrophic Lake Erhai in Yungui Plateau, in Southwestern China Te Cao (IHB-CAS, China)
	1:20 pm - 1:40 pm	High Rate Algal Ponds for Efficient Wastewater Treatment and Algal Biomass Production for Biofuel Use Jason Park (NIWA, New Zealand)
	1:40 pm - 2:00 pm	Widespread Distribution and Adaptive Degradation of Microcystin Decomposer (mlr-genotype) in the Large Chinese Eutrophic Lake : Implications for Cyanotoxin Biodegradation and Water Management Nanqin Gan (IHB-CAS, China)
	2:00 pm - 2:20 pm	Size matters – Microalgae Production and Nutrient Removal in Wastewater Treatment High Rate Algal Ponds of Three Sizes Donna Lee Sutherland (UTS, Australia)
2:20 pm - 3:20 pm	Poster Session & Coffee Break	
Session IV Chair: Rupert Justin Craggs	3:20 pm - 3:40 pm	Environmental Improvement and Plankton Ecological Succession Effects of Cultivation of Seaweed <i>Gracilaria lemaneiformis</i> – A Case Study in Nanao Coastal Waters, South China Yufeng Yang Jinan University, China
	3:40 pm - 4:00 pm	Algal Biotechnology at the Cawthron Institute, Nelson, New Zealand Michael Anthony Packer (Cawthron Institute, New Zealand)
	4:00 pm - 4:20 pm	Effects of Three Gorges Dam on Spatiotemporal Distribution of Silicon in the Tributary: Evidence from the Xiangxi River Yonghong Bi (IHB-CAS, China)
	4:20 pm - 4:40 pm	Aquaculture Wastewater Treatment and Resource Utilization Based on Microalgae Biotechnology Lan Wang (IHB-CAS, China)
4:40 pm - 5:10 pm	Award & Closing Remark	
5:10 pm - 6:00 pm	Institute Tour	

## 五、墙报征集

墙报尺寸： 1.2 M（长）×0.9 M（宽）（提供电子版即可）

投稿方式： [jialichen@ihb.ac.cn](mailto:jialichen@ihb.ac.cn) (请注明“中新双边会议海报”)

投稿截止时间：2019年3月25日

欢迎各位师生踊跃投稿，对于评选出的优秀海报将予以奖励。

六、注册费：无

七、会议语言：英文

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