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# **2022 BRICS Urbanization Green Innovation Young Scientist Conference**

## **Conference Agenda**

**Time: 9:00-18:00, Tuesday 10 May, 2022 (GMT+8, Beijing)**

**Zoom Meeting ID:862 6253 2112, Passcode:533785**

### **Organizers:**

**South China Institute of Environmental Sciences, Ministry of  
Ecology and Environment of China**

**State Environmental Protection Key Laboratory of Urban Ecological  
Environment Simulation and Protection**

<b>Opening Ceremony</b>	
<b>(09: 00-09: 35)</b>	
<b>09: 00-09: 35</b>	<b>Moderator: Mr. Mingyi Liang, Researcher, Director of Urban Ecology and Environment Center, South China Institute of Environmental Sciences, MEE</b>
<b>09: 00-09: 05</b>	Introduction
<b>09: 05-09: 20</b>	Welcome Speech
<b>09: 20-09: 35</b>	Academician's Remarks: China: <b>Dr. Zhifeng Yang, Academician of Chinese Academy of Engineering</b> Russia: <b>Dr. Sergey N. Bobylev, Academician of the Russian Academy of Natural Sciences and the Russian Ecological Academy</b> India: <b>Dr. S Venkata Mohan, Senior Principal Scientist</b>
<b>Speech</b>	
<b>(09: 35-12: 00)</b>	
<b>09: 35-10: 20</b>	<b>Session 1: Policies for Sustainable Environment</b> <b>Moderator: Dr. Chen Chen, Senior Engineer, South China Institute of Environmental Sciences, MEE</b>
<b>09: 35-09: 50</b>	<b>Speech Topic:</b> Innovation orientation of China' SDG policy <b>Dr. Zhanfeng Dong, Researcher, Chinese Academy of Environmental Planning (China)</b>
<b>09: 50-10: 05</b>	<b>Speech Topic:</b> Urban trees for climate change mitigation and adaptation in cities <b>Dr. Weiqi Zhou, Researcher, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences (China)</b>

10: 05-10: 20	<p><b>Speech Topic:</b> Nature-based solution for urban climate mitigation</p> <p><b>Dr. Zhaowu Yu, Researcher,</b> Fudan University (China)</p>
10: 20-12: 00	<p><b>Session2: Mechanisms of Pollutant Behavior and Fate</b></p> <p><b>Moderator: Dr. Shan Huang, South China Institute of Environmental Sciences, MEE/</b></p> <p><b>Dr. Diwen Liang, Assistant Researcher, South China Institute of Environmental Sciences, MEE</b></p>
10: 20-10: 35	<p><b>Speech Topic:</b> Wastewater into energy: how microbial fuel cells can make that happen</p> <p><b>Dr. Fernanda Leite Lobo, Associate Professor,</b> Federal University of Ceará (Brazil)</p>
10: 35-10: 50	<p><b>Speech Topic:</b> Typhoon effects on element cycles in estuarine ecosystem</p> <p><b>Dr. Shan Huang/Dr. Chen Chen, Senior Engineer,</b> South China Institute of Environmental Sciences, MEE (China)</p>
10: 50-11: 05	<p><b>Speech Topic:</b> Unique microbiome in organic matter-polluted urban rivers</p> <p><b>Dr. Shanquan Wang, Professor,</b> Sun Yat-Sen University (China)</p>
11: 05-11: 20	<p><b>Speech Topic:</b> Innovative techniques for freshwater conservation and biological monitoring in Southern Africa</p> <p><b>Dr. Samuel Nkopane Motitsoe, Associate Professor,</b> Rhodes University (South Africa)</p>
11: 20-11: 35	<p><b>Speech Topic:</b> The discovery and application of anaerobic ammonium oxidation coupled with iron reduction in China</p> <p><b>Dr. Chen Chen, Senior Engineer,</b> South China Institute of Environmental Sciences, MEE (China)</p>
11: 35-12: 00	<p style="text-align: center;"><b>Q&amp;A</b></p>

## Lunch & Break

(12: 00-14: 00)

## Speech

(14: 00-16: 45)

<b>14: 00-16: 00</b>	<b>Session 3: Technologies for Pollutant Control</b> <b>Moderator: Dr. Asheesh Kumar Yadav, Researcher, CSIR-Institute of Minerals and Materials Technology/ Dr. Sai Liang, Professor, Guangdong University of Technology</b>
<b>14: 00-14: 15</b>	<b>Speech Topic:</b> Coupling of microbial electrochemical technology with constructed wetlands for enhancing wastewater treatment and resource recovery <b>Dr. Asheesh Kumar Yadav, Researcher, CSIR-Institute of Minerals and Materials Technology (India)</b>
<b>14: 15-14: 30</b>	<b>Speech Topic:</b> From COVID-19 coronavirus to biological contaminants: challenges and preliminary reflections <b>Dr. Xiaoli Zhao, Researcher, Chinese Research Academy of Environmental Sciences (China)</b>
<b>14: 30-14: 45</b>	<b>Speech Topic:</b> Critical R&D issues in solid waste management <b>Dr. Sunil Kumar, Researcher, CSIR-National Environmental Engineering Research Institute (India)</b>
<b>14: 45-15: 00</b>	<b>Speech Topic</b> Analytical methods for determination of emerging contaminants and new remediation technologies in wastewater reclamation <b>Dr. Bhekumuzi Gumbi, Researcher, University of KwaZulu-Natal (South Africa)</b>
<b>15: 00-15: 15</b>	<b>Speech Topic:</b> Phycotechnology-path towards sustainability <b>Dr. Kiran Bala, Researcher, Indian Institute of Technology Indore (India)</b>

15: 15-15: 30	<p><b>Speech Topic:</b> State policy and programme for the prevention of air pollution in the Russian Federation.</p> <p><b>Dr. Putyatin Daniil, Professor/ Director of All-Russian Research Institute for Environmental Protection, All-Russian Research Institute for Environmental Protection (VNII Ecology) (Russia)</b></p>
15: 30-16: 00	Q&A
16: 00-16: 45	<p><b>Poster Presentation</b> (Posters will be displayed in the meeting hall all day)</p> <p><b>Moderator: Dr. Chen Chen, Senior Engineer, South China Institute of Environmental Sciences, MEE/ Ms. Min Wang, South China Institute of Environmental Sciences, MEE</b></p>
16: 00-16: 45	Poster Presentation
<p><b>Panel Discussion</b></p> <p><b>New Challenges: How to Monitor and Control New Environmental Risks in COVID-19 Pandemic Era and Beyond</b></p> <p><b>(16: 45-17: 45)</b></p>	
16: 45-17: 45	<p><b>Moderator: Dr. Chen Chen, Senior Engineer, South China Institute of Environmental Sciences, MEE</b></p>
16: 45-17: 45	Free Discussion
<p><b>Closing Ceremony</b></p> <p><b>(17: 45-18: 00)</b></p>	

<b>17: 45-18: 00</b>	<b>Moderator: Dr. Yingmin Zhang, Researcher, Deputy Director of Science and Technology Management Division, South China Institute of Environmental Sciences, MEE</b>
<b>17: 45-18: 00</b>	Closing Remark <b>Dr. Yingmin Zhang, Researcher, Deputy Director of Science and Technology Management Division, South China Institute of Environmental Sciences, MEE</b>