

# The Asia-Pacific Network for Wastewater Monitoring of COVID-19 (WATMOC webinar)

## Wastewater Monitoring of COVID-19: Progresses and challenges

12 PM to 3 PM (AEDT), Feb 24, 2022

Zoom: <https://uow-au.zoom.us/j/85943428995?pwd=dm5yZENWcjNIOTI5c1h4aTMzYWJOUT09>

Time (AEDT)	Agenda
<b>Session 1: Progresses of WBE for COVID-19 monitoring</b>	
12:00 PM	Opening & Welcome Address WATMOC report <i>A/Prof. Guangming Jiang, University of Wollongong, AUSTRALIA</i>
12:10 PM	<b>Keynote 1</b> Selection of process controls in detection of SARS-CoV-2 in wastewater <i>Professor Ryo Honda, Kanazawa University, JAPAN</i>
12:30 PM	<b>Keynote 2</b> SARS-CoV-2 wastewater surveillance of COVID-19 and VOCs during three waves of pandemic in Jaipur (India) <i>Dr. Sudipti Arora, Dr. B. Lal Institute of Biotechnology, Jaipur, INDIA</i>
12:50 PM	Analytical performance comparison of four SARS-CoV-2 RT-qPCR primer-probe sets for wastewater samples <i>Ms Shuxin Zhang, University of Wollongong, Australia</i>
1:05 PM	Infectivity decay of coronaviruses in sewer reactors with real domestic wastewater <i>Dr Jiahua Shi, University of Wollongong, Australia</i>
	5 min Break
<b>Session 2: Challenges of WBE for COVID-19 monitoring</b>	
1:25 PM	<b>Keynote 3</b> Survival of SARS-CoV-2 in wastewater <i>Professor Sam Sherchan, Morgan State University, USA</i>
1:45 PM	<b>Keynote 4</b> Demystify the back-estimation of COVID-19 case numbers using wastewater-based epidemiology <i>Dr Xuan Li, University of Wollongong, Australia</i>

<b>2:05 PM</b>	Reduction of SARS-CoV-2 in wastewater treatment plants <b><i>Md. Alamin Hasan, Kanazawa University, JAPAN</i></b>
<b>2:20 PM</b>	Vertical outbreak of COVID-19 in high-rise buildings: the role of sewer stacks and prevention measures <b><i>Ms Ying Guo, University of Wollongong, Australia</i></b>
	5 min Break
<b>Session 3: Feature talk</b>	
<b>2:40 PM</b>	Has wastewater surveillance of COVID-19 helped in Disaster Risk Reduction? <b><i>Professor Manish Kumar, University of Petroleum and Energy Studies, INDIA</i></b>
<b>3:00 PM</b>	Closing <b><i>A/Prof. Guangming Jiang, University of Wollongong, AUSTRALIA</i></b>

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