

Integrated Surface-Groundwater Management for Sustainable Development



Prof. B. Maheshwari is a professor in water, environment and sustainability at Western Sydney University, Australia. He has over 30 years' teaching, capacity building, research and outreach experience. His current work is particularly focused on water resources planning, groundwater monitoring and management, urban water, transdisciplinary research, and wastewater reuse.

Prof. A. M. Thompson is a professor in biological systems engineering and chair of Nelson Institute's Water Resources Management Program of University of Wisconsin-Madison, USA. She has over 25 years' experience in hydrological modeling & stormwater management, sediment, nutrient and pathogen transport and cold regional hydrology.



Prof. A. Goonetilleke is a professor in water, environmental engineering at Queensland University of Technology (QUT), Australia. He has over 40 years of Australian and international experience in protecting and restoring water quality, risk-based stormwater/wastewater recycling, integrated water resources management, climate change.

Prof. K. G. Karthikeyan is a professor in biological systems engineering at University of Wisconsin-Madison, USA. He has over 25 years' experience in water quality chemistry, applications of GIS & water quality models, waste water management and fate, removal and transport of nutrient and contaminants in surface/sub-surface environments.



To Apply Online:

Use the link: <https://erp.iitkgp.ac.in/CEP/courses.htm>

Duration of the course: 6th to 10th December 2021

Last date to apply: 5th December 2021

SPARC webinar series

Integrated Surface-Groundwater Management for Sustainable Development

Schedule: 6th to 10th December 2021

S.No	Date	Time (IST)	Proposed Topic	Faculty
1	06/12/2021	2:00 PM to 2:30 PM	Inauguration	
2	06/12/2021	2:35 PM to 4:35 PM	1.1. Managed aquifer recharge – Understanding the process 1.2. Managing the invisible resource – the role of participatory groundwater monitoring and management	Prof. B. Maheshwari Western Sydney University, Australia
3	07/12/2021	5:30 PM to 7:30 PM	2.1. Urban hydrology and stormwater management 2.2. Interdisciplinary approaches to water resources management (case studies from Wisconsin, USA)	Prof. A. M. Thompson University of Wisconsin-Madison, USA
4	08/12/2021	2:00 PM to 4 PM	3.1. Urban stormwater pollution and mitigation 3.2. Treating urban stormwater as a resource	Prof. A. Goonetilleke Queensland University of Technology
5	09/12/2021	5:30 PM to 7:30 PM	4.1. Soil Basics and nutrient transformation in soils 4.2. Interaction of organic chemicals, toxic inorganic constituents	Prof. K. G. Karthikeyan University of Wisconsin-Madison
6	10/12/2021	2:00 PM to 4:00 PM	5.1. Water in the urban and peri-urban Landscapes – planning for livable cities	Prof. B. Maheshwari Western Sydney University, Australia
7	10/12/2021	4: 05 PM to 4:30 PM	Closure	

Contact Us

Dr D.R. Mailapalli, Agricultural and Food Engineering

Email: mailapalli@agfe.iitkg.ac.in

Dr P.K. Singh, Center for Rural Development and Innovative Sustainable Technology

Email: psingh@iitkgp.ac.in

Indian Institute of Technology, Kharagpur, India

The Project Team:

IIT Kharagpur

GBPUAT Pantnagar

NIT Surat

Western Sydney University, Australia

University of Wisconsin Madison, USA

Queensland University of Technology, Australia

