

**ONE DAY
ONLINE NATIONAL WORKSHOP
ON
SOURCE APPORTIONMENT STUDIES FOR
THE MITIGATION OF AIR POLLUTION**

**(Under TEQIP-III)
(13th Sep. 2020)**

About the Institute

Madhav Institute of Technology & Science (MITS) was established in 1957 by His Highness Late Sir Jiwaji Rao Scindia, Maharaja, of the erstwhile state of Gwalior. The foundation stone of the institute was laid by Late Dr. Rajendra Prasad on 20th October 1956 and the building was inaugurated by Late Dr. S. Radhakrishnan on 11th December, 1964. The Institute offers education in eleven undergraduate programmes, eighteen PG programmes and has a QIP centre for Ph.D. The prime objective of the Institute is to provide quality education in Engineering and Technology and to conquer this venture.

**REGISTERED YOURSELF :-
<https://forms.gle/T39CfLLN8MJtBs69>**

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NOTE:-

- No fess is required at any stage of online workshop.
- E-Certificate will provided to all active participants.
- Whatsapp group will be used for communication purpose.
- Google meet app will be used for conducting online workshop.



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Organized by
Department of Civil Engineering
Madhav Institute of Technology & Science
(Accredited by NAAC)
(A Govt. Aided UGC Autonomous Institute under RGPV, Bhopal)
Gole ka Mandir, Gwalior-474005
www.mitsgwalior.in

About Speakers

1. Dr. Mukesh Khare (Professor, IIT-Delhi)



Professor Mukesh Khare is the Fellow of Institution of Engineers India and Fellow of Wessex Institute of Great Britain. He is a Chartered Engineer and was born in Varanasi, India. He obtained his

Ph.D. degree in Faculty of Engineering from Newcastle University, UK and has managed a range of environmental projects throughout his professional career. With a specialization in air quality modelling, Prof. Khare's experience has covered research and development studies, teaching, consulting, modelling, editorial activities. In addition, Prof. Khare has authored more than 150 research publications primarily for peer reviewed journals and conference proceedings. He has two sons and lives and work in Indian Institute of Technology Delhi, India. He has received various grants in the field of Environmental Engineering. He has also collaborated with

- Ecole de Mines, Nantes, France (Prof. Michele Pavageau)
- Harvard University, Cambridge, USA (Prof. Peter Rodger)
- Ecole Nationale des Ponts (Paris), France (Prof. S. Modwel)
- University of West Indies, Trinidad & Tobago (Prof. S. Sankat) and many more.

2. Dr. K. V. George (Sr. Principle Scientist)



Dr. K. V. George earned his Ph.D. from IIT- Delhi. Currently, he is working as Sr. Principle Scientist & Head, Air Pollution Control Division CSIR-National Environmental Engineering

Research Institute (CSIR-NEERI), Nagpur. He has work experience of more than 29 years in Environmental Engineering. He was associated with following activities:

- Worked for cleaning studies of Union Carbide India Limited (UCIL), Bhopal after the MIC Gas accident;
- Carried out EIA studies for Chemical Industry, Thermal Power Plant, Cement Plant, Refinery and Fertilizer plant.
- Conducted source dispersion modelling studies using tools like ISCST3, AERMOD and CALPUFF for different industrial clusters.
- Worked on source apportionment study for industrial, urban and coal mine area;
- Worked on National Green Tribunal (NGT) instructed study of Coal gasifier in Ceramic Industries of Morbi, Gujarat.
- He was a member of Indian Antarctica Expedition in 2000 for research work at MAITRI Station;

3. Dr. Asha Lalwani (Sr. Scientist, NEERI)



Dr. Asha Lalwani earned his Ph.D. in Statistics from RTM Nagpur University, Nagpur. Currently, she is working as Sr. Scientist, Air Pollution Control Division, CSIR-National

Environmental Engineering Research Institute (CSIR-NEERI), Nagpur. She was associated with following work domain:

- Application of statistical techniques to understand environmental problems.
- Handling R&D projects related to nonlinear analysis and modeling of air pollutant concentrations.
- Handling consultancy projects related to source apportionment of particulate matter in urban cities.
- Satellite data retrieval and validation using advanced algorithms.
- Development of statistical models to forecast the air pollution levels in advance.
- Application of chaos theory to study the persistence property and complexity in air quality data.
- Publication : 37 papers in international SCI journals, 2 chapters in books and 22 papers in conferences and national journals.