

K.L. DEEMED TO BE UNIVERSITY

DEPARTMENT OF CIVIL ENGINEERING

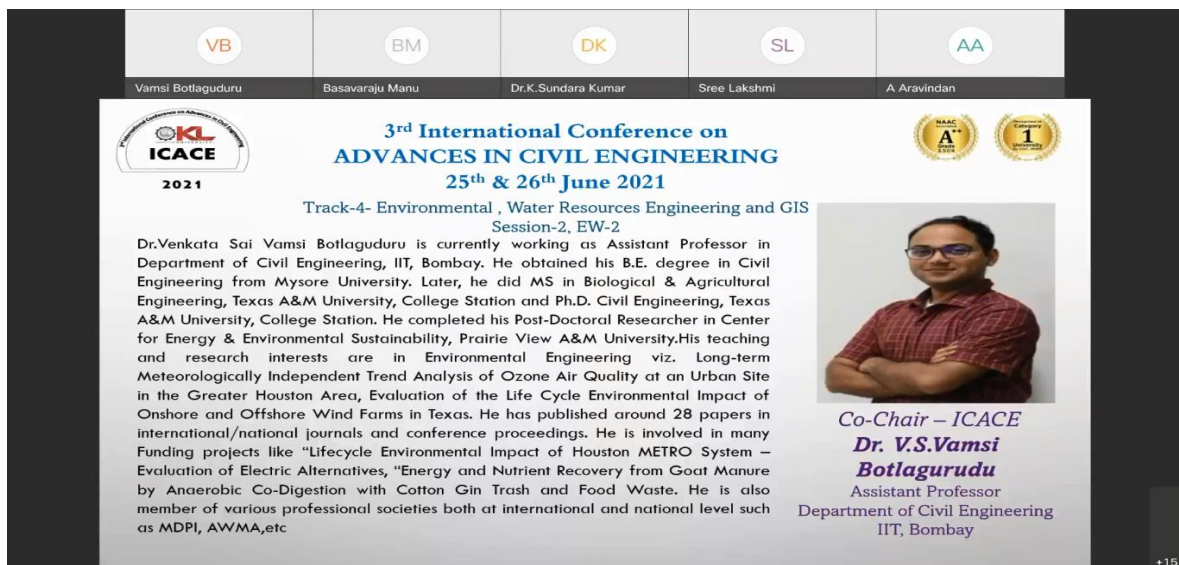
Alumni Contribution in

3rd International Conference on Advances in Civil Engineering
26th June 2021, Department of Civil Engineering, KLEF

Organized by Civil Engineering Department

1. Alumni contribution as session Co-Chair in **Environment, Water Resources Engineering & GIS (EW)**

Dr. V.S. Vamsi Botlagurudu, (Y3 BATCH KLCE)Assistant Professor, Dept of Civil Eng. IIT Bombay



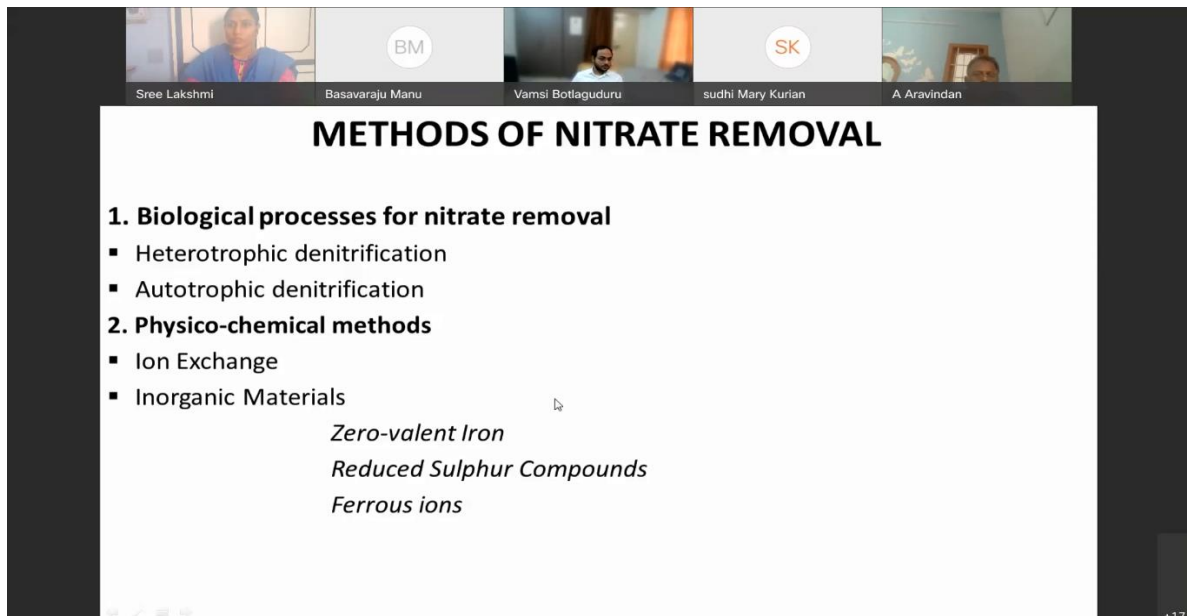
VB BM DK SL AA
Vamsi Botlagurudu Basavaraju Manu Dr.K.Sundara Kumar Sree Lakshmi A Aravindan

**3rd International Conference on
ADVANCES IN CIVIL ENGINEERING
25th & 26th June 2021**

Track-4- Environmental , Water Resources Engineering and GIS
Session-2, EW-2

Dr.Venkata Sai Vamsi Botlagurudu is currently working as Assistant Professor in Department of Civil Engineering, IIT, Bombay. He obtained his B.E. degree in Civil Engineering from Mysore University. Later, he did MS in Biological & Agricultural Engineering, Texas A&M University, College Station and Ph.D. Civil Engineering, Texas A&M University, College Station. He completed his Post-Doctoral Researcher in Center for Energy & Environmental Sustainability, Prairie View A&M University. His teaching and research interests are in Environmental Engineering viz. Long-term Meteorologically Independent Trend Analysis of Ozone Air Quality at an Urban Site in the Greater Houston Area, Evaluation of the Life Cycle Environmental Impact of Onshore and Offshore Wind Farms in Texas. He has published around 28 papers in international/national journals and conference proceedings. He is involved in many Funding projects like "Lifecycle Environmental Impact of Houston METRO System – Evaluation of Electric Alternatives, "Energy and Nutrient Recovery from Goat Manure by Anaerobic Co-Digestion with Cotton Gin Trash and Food Waste. He is also member of various professional societies both at international and national level such as MDPI, AWWMA, etc

**Co-Chair – ICACE
Dr. V.S.Vamsi
Botlagurudu**
Assistant Professor
Department of Civil Engineering
IIT, Bombay



BM SK
Sree Lakshmi Basavaraju Manu Vamsi Botlagurudu sudhi Mary Kurian A Aravindan

METHODS OF NITRATE REMOVAL

1. **Biological processes for nitrate removal**
 - Heterotrophic denitrification
 - Autotrophic denitrification
2. **Physico-chemical methods**
 - Ion Exchange
 - Inorganic Materials
 - Zero-valent Iron
 - Reduced Sulphur Compounds
 - Ferrous ions