



PULP& PAPER SUMMIT

TOWARDS FUTURE READY ENTERPRISES:
ADVANCING INNOVATIVE WATER SOLUTIONS

1 JULY 2025, NEW DELHI

SPEAKERS BOOKLET







Towards Future Ready Enterprises:
Advancing Innovative Water Solutions

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Bronze Technology Start - Up







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SPEAKERS PROFILE



Mr Avinash Mishra Senior Advisor, CII Water Institute & Former Advisor NITI Aayog

Mr AVINASH MISHRA is Former Adviser (Water & Land Resources, Environment, Forests & Climate Change , Panchayat Raj Verticals) of NITI Aayog (GOI). He is having an experience of 33 Years of Water Resources sector. His educational qualifications are B.E. (CIVIL), M.Tech. (Water Resources) from IIT Delhi . He has been working National Policy Planning formulation, Action Plans of the country. He is engaged in the Development Plans, Proposals of the State Governments relating to Major, Medium, Minor Irrigation, Flood Control, Drainage, Command Area Development ,Watershed Development, Drinking Water Supply & Sanitation. Also assisted to the Plan Panel of the country in the Analysis and prioritization of various projects in terms of socio economic benefits and its impact. Represented the Planning Commission now NITI Aayog in the various technical advisory committees of the Irrigation & Water Supply many schemes i.e. PMKSY, JJM, SVAMITVA Yojana, Atal Bhujal Sector. Initiated Yojana, Aguifer Mapping, Member of Various Committee on Water Resources including the Committee of Bureau of Indian Standards. He has been associated in various Professional Development Programmes organized by National and International manyCertificate programmes from Lee Kuan Yew National Agencies of repute University Of Singapore, Public Private Partnership (PPP) in Infrastructure Development, from Indian Institute Of Management Ahmedabad, He had been associated in various reports and publication i.e. (1) Report of the Irrigation Task Force, (2) Report of the Ground Water Management and Ownership (3) 12th Plan Document of India relating to Water Resources Sector (4) Report of the High level Expert group on Water logging in Punjab, (5) Road map on Pradhan Mantri KrishiSinchai Yojana, (6) Composite Water Management Index (7) Water Neutrality (8) Irrigation from Waste water in Urban and Peri Urban areas.



Mr Pavan Khaitan
President, IPPTA and
Vice Chairman & Managing Director
Kuantum Papers Limited

Mr. Pavan Khaitan is the Vice Chairman & Managing Director of Kuantum Papers, one of the leading Agro and Wood-Based Paper Manufacturers in India. He has played a pivotal role in shaping the company's strategic vision towards improving machine efficiency, focusing on quality outputs, ensuring timely plant modernizations, advancing process reengineering and accreditations and forging successful collaborations with MNC's. Further, he actively engages in initiatives aimed at empowering communities and minimizing the company's ecological footprint.

As the visionary force behind Kuantum Papers, Mr. Khaitan continues to inspire a new era of responsible and purpose-driven leadership within the Paper Industry.



Ms Shilpa NischalPrincipal Counsellor
CII Water Institute

With over 24 years of working experience on diverse sustainable development issues particularly related to water resources, Ms. Nischal has been working towards conceptualizing, developing & implementing various watershed level activities to enable improved water scenario across geographies. Her areas of work include water resource evaluation, hydro-meteorological analyses, and hydrological risk assessment for watersheds under diverse climate change scenarios.

She spearheads operations at CII Water Institute and manages multi-disciplinary teams comprising professionals for applying integrated Water Assessment tools and techniques such as WATSCAN, a GIS and remote sensing-based Tool that facilitates decision making for improved water resource management. She has been working closely with industry on projects that enable improved water use efficiency and solutions for enabling transformation from water risks to a resilient scenario. She has also contributed to popular publications both in the capacity of author and editor.



Mr Sanjay Gupta
Senior Counsellor
CII - Water Institute

Mr. Sanjay has more than 24 years' experience in Water sustainability and Water security domain and helped more than 400+ companies of diverse sectors in India & abroad in their water sustainability journey.

Specialized in conducting industrial water audits, feasibility studies on rainwater harvesting, road map for Zero Liquid Discharge and water & wastewater assessment studies. Instrumental in developing various services such as the Blue Rating Systems and National Award for Excellence in Water Management for the industries. Worked with multi stakeholders in defining and preparing the guidelines for the Water neutrality/Positivity for Indian Industry along with NITI Aayog.

Expertise in application engineering of Industrial water and waste treatments systems. Trained more than 25, 000 personal on water and wastewater management in industry and PSU's. Prepared high-quality technical reports and provides inputs into tender documents and contractor specifications. Trained and mentored junior team members on various elements of the water conservation and managements.



Mr Jukka HakolaChief Operating Officer
Sansox, Finland

Mr. Hakola has M.Sc degree both from engineering from LUT, Finland and Economics UWasa Finland. He has hold a several key portions in several bigger companies like Wärtsilä and Outotec but also worked in several small companies and start-ups like Numcore and present SansOx.

SansOx provides solutions to improve the quality of the water in all stages of natural water circulation. Mr. Hakola's dedicated work has lead to situation where SansOx solutions are removing radon from potable water in Philippines, improving pond water in Thailand and Korea and increasing the DO in POME in Malaysia. He also leads the team to make aeration of wastewater in pulp and paper industry more efficient with less energy. The clean and better quality of water are the factors that drive him to meet customers and develop solutions around the world



Mr Ram SanthanamDirector - Engineering
Haber

Ram Santhanam brings over 30 years of extensive experience in the paper industry, specializing in Water Treatment, Process Optimization, Process Engineering, and Chemical Engineering. Following a noteworthy 15-year tenure at Nalco, where he focused on chemical applications for paper and water, he currently leads the Research and Development efforts for new automation solutions in the paper industry.

Combining his profound engineering expertise with a keen understanding of harnessing data, Ram has successfully crafted innovative solutions to address some of the industry's most challenging situations.



Mr Nandivardhan MorareddyVice President, Business Excellence Kuantum Papers Limited

- Mr.Nandi an accomplished manufacturing excellence professional with 28 years of broad-based experience in various pulp and paper operations, technical leadership, and managerial roles.
- Proven track record in driving manufacturing excellence and sustainable practices across the pulp and paper value chain.
- Leads mill-wide initiatives in process innovation, advanced process control (APC) and digital transformation.
- Passionate about integrating technology and best practices to enhance mill performance and sustainability.
- Hands-on experience across various sections of integrated wood and agro pulp & paper manufacturing, board making, and container board production.
- Holds a graduate degree in Chemical Technology and a Postgraduate Diploma in Environment and Sustainable Management.



Mr Vijay Kumar Managing Director Swan Environmental Pvt. Ltd.

Mr. Ch. Vijay Kumar founded and established Swan Environmental Pvt. Ltd. in the year 1988 to offer wide range of analytical instruments for protecting the natural resources. He formed 3 more companies viz., Swan Technical Services, Swan Biotec, Swan Scientific in the year 2016 to segment and serve in a focused manner. He is very selective in choosing a technology partner and gives utmost importance to technology based on global reference standard methods. His expertise helps in studying the customer specifications thoroughly and providing the best solution ensuring full customer satisfaction. He conducted many Seminars & Work Shops PAN India and educated the Industry on various latest and best monitoring technologies for Environment, Health & Safety (EHS). He won several awards from Shimadzu for his contributions made in spreading awareness about Importance of TOC and for his outstanding sales performance in South Asia Region. He may be contacted on his email: vijay@swanenviron.com.



Mr Ashok Kumar Satpathy
Senior Manager
Emami Paper Mills Ltd

Ashok Kumar Satpathy is currently serving as Senior Manager (Mechanical, Paper Machine-3) and brings with him over 27 years of extensive experience in the pulp and paper industry. He holds a Diploma in Mechanical Engineering and has been associated with his current organization since October 22, 2018. Prior to this, he was a Senior Manager in the Unit-5 Project at M/s NR Agarwal Industries Limited, where he served from July 1, 2013, to October 21, 2018. Born on July 1, 1971, Mr. Satpathy has consistently demonstrated technical expertise and leadership in managing mechanical operations, particularly in paper machine projects.



Mr Ratnakar Karumanchi Senior Manager Emami Paper Mills Ltd

With over 18 years of experience in various levels of Paper & Board manufacturing, has led multiple process optimization and machine upgrade projects.



Mr Sidhartha Mohanty
Divisional Head-Manufacturing and
Projects
ITC Ltd.- PSPD

Sidhartha brings over 35 years of extensive experience in the Pulp and Paper industry. He holds deep domain expertise in Pulp manufacturing, Pigment Coatings, Specialty Papers and Value-Added Paperboards. He played an instrumental role in the development of plastic substitution solutions, beginning with poly-extrusion and progressing to next-generation barrier paperboards. He demonstrates strong expertise in application-based product offerings and has led initiatives in customized product development, including import substitution for cigarette boards.

Sidhartha champions sustainability driven transformation across operations, with a strong emphasis on Water Stewardship, Energy Transition and Circularity He also has a proven track record in implementing Business Excellence frameworks, along with leading numerous key initiatives focussed on digital technology integration to drive enhanced operational performance. He is well-versed in operations and process engineering, with a proven track record in driving project management and execution excellence. In his current role, Sidhartha heads the Manufacturing and Projects vertical for ITC's Paperboards and Specialty Papers business.



Mr. Tapan Kumar Rai
Associate Vice President (AVP) – Paper
Vertical
Ion Exchange (India) Ltd

Mr. Tapan Kumar Rai, Associate Vice President – Paper Vertical at Ion Exchange (India) Ltd., brings over three decades of in-depth experience in the pulp and paper industry. With a degree in Pulp & Paper Engineering and an MBA in Marketing, he combines technical expertise with strategic vision to drive innovative and sustainable solutions in paper manufacturing. Since 2017, he has played a pivotal role in advancing Ion Exchange's high-performance water and wastewater treatment offerings for the sector. Based in Delhi, Mr. Rai is known for his practical insights, customer-first approach and deep understanding of industry needs.



Mr Sanjeev Dhar Corporate Regional Head North Thermax Limited

Sanjeev is experienced commercial operations manager with a demonstrated history of working in the oil & energy industry. He possess strong operations professional skilled in build strong relationships, Energy, Power Plants, Procurement, and Business Development.



Mr Deepak Jindal
Senior General Manager
Naini Papers Limited

Is a graduate in Biotechnology from Panjab University, Chandigarh, He is an environment management professional possessing in depth knowledge and understanding in the field of environment management. Having worked on multiple projects simultaneously, he possess an innate sense of task prioritization as well as focused attitude towards working for environmental causes, thus ensuring our future generations a safe and healthy environment.

He is dynamic and result oriented professional with 25 + years of expertise in field of environment management and pollution Control. From the last 15 years he is associated with Naini Papers Limited. He has extensive experience in end to end execution of projects and fully conversant with various environment standards and there implementation thereof.



Mr Ramasahayam Veman Head Sustainability ITC PSPD Limited

Veman is a mechanical engineer with over 20 years of diverse experience in operations, project management, and sustainability. Currently serving as Chief Manager – Energy & Sustainability at ITC Limited's Paperboards and Specialty Papers Division, he leads strategic initiatives in energy efficiency, decarbonisation, and ESG performance. He is a certified Energy Manager and Auditor by Bureau of Energy Efficiency (BEE).

Veman has spearheaded renewable energy projects including biofuel boilers, wind and solar installations, and has been instrumental in formulating ITC's 2030 sustainability roadmap targeting 50% emission reduction. He also led efforts to achieve Alliance for Water Stewardship Platinum certification and conducted product carbon footprint assessments, including carbon neutrality certifications. He is involved in successful implementation of energy conservation, water recycling, and regulatory compliance programs. Veman is also actively involved in national-level policy discussions as a member of BEE's Sectoral Advisory Group of Pulp & Paper Sector and IPMA's Environmental Sub-committee.



Mr N.NavaneedhaKrishnan DGM (Environment) Tamil Nadu Newsprints and Papers Limited

Mr.N. Navanedhakrishnan, Deputy General Manager (Environment) works at Tamil Nadu Newsprint and Papers Limited (TNPL), holds an M.Sc. in Environmental Science bringing nearly 27 years of experience in environmental management and industrial water treatment systems.

He currently heads the Water Management Department, overseeing the operations of the Water Treatment Plant (WTP) and Effluent Treatment Plant (ETP), and other environmental initiatives.

His expertise spans sustainable water practices, regulatory compliance, and effluent treatment process optimization. Prior to his role at TNPL, he served for two years at Shasun Chemicals and drugs Limited.

Mr.N. Navanedhakrishnan is known for his deep technical knowledge in effluent treatment and his commitment to environmental stewardship in the industrial sector.

Further he is implementing Best Environmental standards in water management and reduction of water consumption in Industrial scenario.



Mr Sandeep Bhaskar Sales Head, Cooking & Fiberline, India Region Valmet India

Sandeep Bhaskar, B.E. (Chemical), is the Sales Head for Cooking & Fiberline in the India Region at Valmet Technologies Private Limited. With over 20 years of experience across operations, projects, and sales, he has worked in various capacities within the pulp and paper as well as textile industries. His extensive industry knowledge and strategic insight have been instrumental in delivering innovative and efficient solutions to clients across the region.



Mr Atul Madhusudan Dikshit Senior Vice President – Technical Krofta Engineering Limited

Mr. Atul Madhusudan Dikshit is a highly respected environmental engineer with over 33 years of rich experience in the field of industrial wastewater treatment, specializing in anaerobic biological processes. Currently serving as Vice President – Technical at Krofta Engineering Limited, he leads innovation and implementation of next-generation treatment technologies in industries such as paper & pulp, distilleries, pharmaceuticals, dairy, and food processing.

He holds a Bachelor's degree in Civil – Environmental Engineering from Walchand Institute of Technology, Solapur, and has played a key role in executing over 75 large-scale effluent treatment projects across India, Egypt, Australia, and Sri Lanka.

Mr. Dikshit is known for his deep understanding of anaerobic systems like UASB, EGSB, and CSTR, and is a recognized thought leader in sustainable wastewater solutions, including energy recovery, zero liquid discharge (ZLD), and low-footprint reactor design.

During his illustrious career, he has worked with top environmental engineering firms, and also operated as an independent consultant delivering high-impact projects.

Today, he continues to drive innovation through the development of K3 and K3+ anaerobic reactor technologies, enhancing treatment efficiency in challenging sectors like kraft paper manufacturing.

Mr. Dikshit is not only a process expert but also a passionate mentor, contributing to industry capacity-building through training, team development, and technical knowledge-sharing.



Ms Shivani Yadav
Project Scientist
JS Water Energy Life Company Private
Limited

Dr. Shivani Yadav is a highly accomplished Environmental Engineer with interdisciplinary experience spanning research, teaching, and industrial consultancy. She earned her Ph.D. in Environmental Engineering from Delhi Technological University (DTU), where she made notable contributions in areas such as Advanced Oxidation Processes (AOPs) for the treatment of industrial pollutants, stormwater runoff management, phytoremediation and not the least but the development of bio-retention systems using macrophytes. She is appointed as Project Scientist at JS Water Energy Life Co Pvt. Ltd., where she is set to lead initiatives in bio-nano-based wastewater treatment solutions, reflecting her commitment to eco-friendly and innovative environmental technologies.

Her blend of academic rigor, hands-on consulting, and industry innovation positions her as a leading authority in eco-friendly, nature-based solutions for polluted water bodies. She has a robust research portfolio with multiple peer-reviewed SCI/SCIE-indexed publications, underscoring her expertise in water treatment technologies, including the use of modified biochar, hybrid stormwater treatment systems, and solar-assisted oxidation processes. Recognized with multiple Researcher Excellence Awards (2022–2024), she also contributed to the Central Pollution Control Board's inspection of gross polluting industries under Namami Gange project.

Beyond academia, she has engaged in industry-focused projects involving effluent characterization, environmental management systems, and compliance with national standards.



Dr S K GoyalChief Scientist & Head
CSIR NEERI

Dr. S.K. Goyal is presently Chief Scientist and Head of CSIR NEERI Zonal Centre at Delhi. He has done Bachelors in Pulp & Paper Engineering and Masters in Chemical Engineering with specialization in industrial pollution abatement from IIT Roorkee and PhD in Environmental Science & Technology from Nagpur University. With more than 3 5 years research experience at NEERI, he has contributed significantly to various projects relating to Carrying Capacity based developmental planning studies for different topographical zones (Doon Valley, NCR, Greater Kochi Region, Jamshedpur, Odisha Iron Ore Mining) leading to sustainable development of the regions, environmental impact assessment (EIA) studies for different industrial sectors, stack emission monitoring with QA/QC and performance evaluation, vehicle emission inventory, vehicular emission mode ling and assessing its contribution to ambient air quality.

He has more than 100 research publications in journals/conference and has supervised more than 30 MSc/M.Tech students and supervising Five PhD students on air and water pollution related topics. Dr. Goyal is presently working on various projects related to a ir and water pollution issues of Delhi NCR, and carrying capacity based environmentally sustainable industrial and infrastructure development studies. Prior to his current posting at Delhi in 2016, he was Heading Environmental Impact & Risk Assessment (EIR A) Division at NEERI, Nagpur.

He is former member of Expert Appraisal Committee (EAC) of MoEF&CC, member of technical committee of QCI N ABET during 2020 20 24, Board Member of Quality Council of India (QCI), former member of Sub committee of Commission of Air Quality Management in Delhi and Adjoining Areas on Monitoring & Identification', member of BIS on Air Quality, Member of SEAC UP & Rajasthan and EAC MoEF&CC for matters related to Taj Trapezium Zone (TTZ)), Expert Committee Member for Hon ble Supreme Court and NGT matters related to various environmental issues.



Mr SVR Krishnan
Vice President, IPPTA & Executive
Director
Khanna Paper Mills Limited

Mr. Krishnan holds an M.Sc. and M.Tech from BITS Pilani, and a Postgraduate qualification in ASM from IIT Delhi. He is currently serving as the Executive Director at Khanna Paper Mill Limited. With 41 years of operational experience, Mr. Krishnan has an extensive background in waste paper, virgin pulp, paper and coated board manufacturing, converting, and end-use applications in the pulp and paper industry.

Throughout his career, he has travelled widely across India and internationally to regions such as Scandinavia, Europe, the UK, and the US for machinery selection, attending seminars and conferences, and presenting technical papers. A major part of his professional journey was with ITC Ltd., where he worked in the Paperboards & Specialty Papers Division in various roles and capacities.

From 2017, he served for six years as Executive Director – Operations at TNPL, overseeing all three of their factories dealing with paper, paperboards, and cement. Mr. Krishnan is well-versed in the current industry scenario, contemporary technologies, and emerging trends in the pulp and paper sector. Beyond his professional accomplishments, he is also recognized for his commitment to social causes, particularly in supporting education for underprivileged children and care for senior citizens.



Mr Suresh Babu

AVP – Tech and Manufacturing Excellence
Khanna Paper Mills Limited

Mr. Suresh Babu Thallapaneni is currently serving as the Head – Technical & Manufacturing Excellence at Khanna Paper Mills Limited, bringing with him 26 years of rich experience in the paper industry. He holds a Master of Sciences and Technology degree along with a Postgraduate Diploma in Software Technology (PGDST).

He began his professional journey in 1996 with ITC Limited (BCM) and has since gained extensive experience across various domains in the pulp and paper industry, including quality assurance and R&D. Known for his creativity and innovation, Mr. Thallapaneni has played a pivotal role in driving cost leadership initiatives. He is also well-connected with customers and the converting industry, fostering strong industry relationships.

Over the course of his career, he has contributed to several prominent organizations such as ITC - Paper & Paper Boards, JK Paper Ltd., IP-APPM Ltd., Century Paper Mills Ltd., Hansol-Korea, Kuantum Papers Ltd., and Khanna Paper Mills Ltd. His areas of specialization include manufacturing excellence, quality control, and production within the manufacturing sector.

In his current role at Khanna Paper Mills Limited in Amritsar, he holds comprehensive responsibilities encompassing technical functions, manufacturing operations, and environmental, health, and safety (EHS) standards. Mr. Thallapaneni has also contributed to the academic and professional community by publishing eight technical papers in national and international journals across various platforms.



Dr Nitin EndlayHead Environmental Management Division Central Pulp & Paper Research Institute CPPRI

Dr. Nitin Endlay (M.Sc, PGDIPM, Ph.D) is working as Head Environmental Management Division of Central Pulp & Paper Research Institute (CPPRI), Saharanpur (U.P.) India. He alsoheads the Information Technology Division & Statistical Division of the Institute and is Technical Manager of his NABL accredited Division . He has over 32 years of working experience in the field of environmental management. His area of work include includes Biomethanation, Trouble shooting , Performance Evaluation, Adequacy Assessment, Conversion of Solid Waste to Value Added Products, Water Conservation, Water Audit , EIA/ REIA, Odor Control , Environmental Monitoring (including ambient air quality and stack emissions) etc. He was actively associated with successful commissioning of full scale biomethanation plant for recovery of bioenergy from black liquor in an agro based pulp and paper mill. He has visited over 300 Pulp and Paper mills in the country including abroad in connection with providing solutions to various environmental and technological related issues and gaining knowledge about latest pollution control technologies

He has been twice recipient of the prestigious Swedish Industrial Development Agency (SIDA) fellowship for Advanced Training in Environmental Technology for Pulp & Paper Industries at Markaryd, Sweden.He has also received Outstanding Scientist of the Year 2021 at InternationalConference on Agriculture, Horticulture & Food Science in 2021

He also went on a Study tour to Norway & Sweden under a UNIDO Project Development & Adoption of Appropriate Technologies for Enhancing Productivity in the Paper & Pulp Sector to study latest trends in Technology and R&D in Pulp & Paper Sector so as to make Indian paper Industry sustainable and environmentally compatible.