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Department of Chemicals & Petrochemicals  
Ministry of Chemicals & Fertilizers  
Government of India



**Indian Centre for Plastics  
in the Environment (ICPE)  
is hosting the  
International Conference  
on Plastics & Sustainability**  
on

**3 FEB 2023**

at The Lalit, Connaught Place,  
New Delhi.



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Climate change caused by global warming has brought “**Sustainability**” at the center stage. Plastic products paradoxically play a positive role, and these have relatively lowered environmental footprints. ICPE is hosting the Conference to address these issues.

**Keynote Address & Panel Discussions shall cover**

- **Plastics Recycling Technologies**
- **Biodegradable/Biocompostable Polymers**
- **Waste Management Solutions**
- **Policy & Regulatory Issues**

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**Mr. Arun Baroka (IAS)**  
**Secretary, C&PC, GOI**

## **Inaugural Speech**

Arun Baroka has been appointed as Secretary, Department of Chemicals and Petrochemicals, Ministry of Chemicals and Fertilisers. Baroka is a 1990-batch IAS officer of the AGMUT cadre.



**Dr. Jakob Fischer**  
**Senior Partner - McKinsey & Company**  
**Global Energy & Material Practice - Tokyo**

## **Keynote Speaker**

### **Dr. Jakob Fischer – Senior Partner**

Jakob is a Senior Partner of McKinsey & Company. He is currently based in Tokyo to lead McKinsey GEM (Global Energy and Material Practice) in Asia. Since joining the firm in 2000, he has mainly served the chemical, Oil & Gas downstream, agricultural and process industries. He was leading the global Petrochemical service line of McKinsey for multiple years as well as the Chemicals & Agricultural practice in EMEA and Asia. He is serving clients mainly in Europe, Middle East, North America, Africa, and Asia.

### **Engagement experience (excerpt)**

- Several strategy studies for mid-size and large chemicals companies – from commodities such as steam crackers, refineries, and polymers to specialties.
- Several specialty chemical strategy projects in Europe, Japan, ME, SEA, China, Korea, Americas, Africa.
- Intensive work for several large Petrochemical companies on strategy, reliability and operations
- Layout, ramp-up, and extensive participation in major M&A studies (incl. top1/2/3 in relevant industries)
- Improved performance of several SOEs
- Series of ~200 site diagnostics for manufacturing sites with focus on improving all core processes and functions including production, maintenance, reliability, quality, and site services (incl. applying advanced analytic tools)
- Several organic growth projects in specialty chemicals including elements of green business building and sustainability.

### **Petrochemicals 2040 and role of sustainability**

In the last decade, profit pool of Petrochemicals industry has expanded by ~\$80 bn, largely driven emerging market growth and advantaged feedstock. Looking forward to next two decades, while macroeconomic growth appears to remain healthy, circularity and decarbonization will play a central role as vectors for growth and value creation. Companies which are proactively acting on these strategic imperatives, are already delivering higher valuations vs. companies which are not. During the session, we will share our proprietary analysis on value creation, portfolio moves and recent activity in decarbonization and circularity in Petrochemicals industry.



**Mr. Jacob Duer**  
**President & CEO**  
**Alliance To End Plastic Waste (AEPW)**

## **Keynote Speaker**

**Jacob Duer** is the President and Chief Executive Officer of the Alliance to End Plastic Waste, a global non-profit organisation that was established in 2019 to help end plastic waste in the environment. Today, the Alliance has convened over 90 member companies, strategic allies and supporters representing global companies across the plastic value chain and organisations that share our vision. By bringing together industry, government, civil society, development agencies and investors, Jacob is leading the Alliance's mission and strategic direction to support the transition towards a plastics circular economy. This includes a focus on integrated waste management systems and technologies, engaging communities and ultimately catalysing capital towards circularity.

Jacob has more than 20 years of experience with the United Nations, focusing on chemicals and waste management, environment and sustainable development. Currently based in Singapore, he has lived and worked with the United Nations in Austria, Senegal, Kenya and Switzerland.



**Mr. Sujoy Choudhury**  
**(Director - Planning & Business Development)**  
**Indian Oil Corporation Ltd.**

## Keynote Speaker

**Mr Sujoy Choudhury** is the Director (Planning & Business Development), Indian Oil Corporation Limited, one of India's largest commercial enterprises and among the leading Indian companies in the Fortune Global 500 listings.

A Mechanical Engineer and MBA (Finance) from Jadavpur University, Kolkata, Mr Choudhury brings with him a vast cross-functional experience spanning every facet of the Indian energy business. He has rich experience working in Eastern, Western and Northern regions of the country and across various oil industry functions, including Engineering, Retail Sales, and Petrochemicals functions of the Corporation. During his more than three decades of service, Mr Choudhury has held several leadership positions.

As the Director (Planning & Business Development), Mr. Choudhury is in charge of IndianOil's Petrochemicals, Natural Gas, Exploration & Production, Alternate Energy & Sustainable Development, International Business and Explosives verticals, besides Corporate Planning.

Mr. Choudhury is non-executive Chairman of IndianOil Total Pvt. Ltd., which is engaged in Bitumen Derivative business & IOT Biogas Pvt. Ltd., which is engaged in biofuel business. Besides, he is a Director on the Board of IndOil Montney Ltd., Canada which is handling IndianOil's upstream business in Canada and also Non-executive Chairman in CII Northern Regional Committee on Energy.

Before assuming the office of Director (Planning and Business Development), Mr Choudhury was heading IndianOil's Punjab State office wherein he was in-charge of all petroleum activities in the States of Punjab and Himachal Pradesh, and in the Union Territories of Jammu & Kashmir, Ladakh and Chandigarh. His major contributions include the Oil infrastructure of the State / UT's, introducing Winter Grade Diesel for high altitude areas, developing specialized lubricants for FMCG industry, and introducing geotextiles and steel concrete structures for construction in hilly terrains.



**Mr. Prabh Das**  
**MD & CEO**  
**HPCL-Mittal Energy Ltd.**  
**Keynote Speaker**

**Mr. Prabh Das** possesses close to four decades of diverse experience and insight, which encapsulates a rich blend of leadership roles in the prestigious Indian Administrative Service as well as in the Oil & Gas Industry encompassing Oil Diplomacy & Administration, Project Management & Financing, Refinery Operations, Marketing and Corporate Governance.

Prior to joining HMEL, during his 25-plus years' tenure in the Indian Administrative Services, he worked as the District Magistrate and Collector in Midnapur and Jalpaiguri districts of West Bengal. He later served as the Chief Executive Commissioner of Calcutta Metropolitan Development Authority and has further held very senior administrative positions in the Central Government in the Departments of Ocean Development and Ministry of Commerce, Government of India.

During his tenure as 'Joint Secretary - Refineries Division' in the Ministry of Petroleum and Natural Gas, Government of India (2003 to 2008) he played a key role in the formulation and implementation of the Auto Fuel Policy, Strategic Storage and New Initiatives in Oil Diplomacy. He was also on the Board of Fortune 500 companies like Indian Oil Corporation Ltd, Hindustan Petroleum Corporation Limited and other oil majors such as Mangalore Refineries and Petrochemicals Ltd, Chennai, Petroleum Corporation Ltd. and Engineers India Ltd. As the Managing Director & CEO, HMEL, he was instrumental in implementing the first FDI project in the Oil & Gas sector in Punjab, a joint venture of HPCL and Mittal Energy Investments and has been at the helm of HMEL's growth story since its inception in July, 2007. Under his leadership, HMEL set up the greenfield 9 MMTPA Refinery and rapidly grew to an 11.3 MMTPA Refinery with world-class safety practices and robust processes, leading to the strengthening of HMEL's Refining capacity, improvement in Refining Operations and margins on a year-on-year basis. He is leading HMEL's massive over US\$ 3 Billion expansion in the field of petrochemicals with the setting up of 1.2 MMTPA cracker unit, which is underway at Bathinda.

Mr. Das was awarded the 'CEO of The Year 2022' by Energy & Climate Initiatives Society. He has been felicitated with the 'Distinguished Contribution to Indian Petrochemical Industry' Award by FICCI in 2017. He was also conferred with the 'Outstanding Achievement in Oil & Gas Leadership & Excellence Award 2014' at the Oil & Gas World Expo, 2014.

Mr. Das is also a member of various prestigious oil industry bodies and institutions such as the Federation of Indian Petroleum Industry (FIPI), Petrotech, Oil Industrial Development Board, FICCI, Council of Scientific & Industrial Research-Indian Institute of Petroleum and Oil Industrial Safety Directorate.

He is an alumnus of Indian Institute of Technology, Kharagpur (B.Tech Hons.), Southern Cross University, Australia (MBA) and is a Certified Project Director by International Project Management Association.



**Padma Shri Dr. Swaminathan Sivaram**  
**Former Director, CSIR - National Chemical Laboratory - Pune**  
**Hon. Prof. Emeritus & INSA Emeritus Scientist**  
**Hon. Prof., Indian Institute of Science Education & Research, Pune & Kolkatta**

## Session - Chairman

**Dr. S. Sivaram** holds a MSc. degree in chemistry from the Indian Institute of Technology, Kanpur and a PhD and DSc (h.c) from Purdue University, W. Lafayette, Indiana, USA. He was a Research Associate at the Institute of Polymer Science, University of Akron, Akron, Ohio, USA. He is a scientist of distinction and has held leadership roles in R&D, in both, industry (Indian Petrochemicals Corporation Limited, Vadodara) and academia (CSIR National Chemical laboratory, Pune).

Dr. Sivaram has over forty years of experience in research in polymer synthesis (cationic, anionic, GTP, Ziegler Natta, free radical and step growth polymerizations), high performance polymers, and surface chemistry of polymers, porous polymers, and biodegradable polymers, polymers from renewable resources, organic-inorganic hybrids and structure-property relationship in polymers.

He has received wide recognition for his scientific contributions with several awards and honours He is an elected Fellow of all the learned academies of science and engineering in India as well as the World Academy of Sciences Trieste, Italy and the Royal Society of Chemistry (UK). The President of India honoured him with Padma Shri in 2006 for his outstanding contributions to the field of science, technology and institution building.



**Prof. Ramani Narayan**  
Distinguished Professor,  
Michigan State University, USA

## Speaker

**Title of the Speech:** Is biodegradability a solution to managing plastic wastes? -- Understanding the Science, the Standards, & Claims around Biodegradability & Compostability.

**Dr. Ramani Narayan** is University Distinguished Professor at Michigan State University in the Department of chemical engineering & materials science. He is Fellow of the National Academy of Inventors (NAI) and Fellow of ASTM International. He has 200+ refereed publications in leading journals, and 32 issued patents.

He is the founding Chair of ASTM committee on Environmentally Degradable Plastics and Biobased Products (D20.96). As Chair, he developed Specification Standards for biobased and biodegradable-compostable plastics like D6400, D6868, & D6866. He also serves as USA technical expert to ISO (International Standards Organization) TC 61 on Plastics, and specifically on SC 14 subcommittee on "Environmental Aspects", including convener of WG 3 on Biobased Plastics.

He is scientific advisor to the Biodegradable Products Institute (BPI), USDA BioPreferred Program, European certification organizations, and other NGOs. U.S. National Academy of Science, Engineering, & Medicine (NASEM) invited committee member reporting on U.S. contributions to global ocean plastic wastes.

Professor Narayan conducted Polylactide (Ingeo™) technology development and engineering scale-up studies for Cargill/NatureWorks – 150 k-ton production facility for PLA, the world's foremost 100% biobased, industrially compostable, and recyclable polymer. He engineered advanced PLA-biopolyester hybrid resin materials that is used commercially for many product applications. He developed biobased & biodegradable starch foams to replace persistent, non-biodegradable PE, & PS foams for cushion protection and insulation packaging. Professor Narayan is actively researching biodegradability and compostability studies of polymer plastics and engineering flow composter systems for managed end-of-life of compostable plastics with biodegradable organic wastes.



**Mr. Virendra K Gupta**  
**R & D Head - Polymer & Senior Vice Preseident**  
**Reliance Industries Ltd.**

## **Speaker**

**Title of the Speech:** Biodegradable and Compostable Plastics-Solution for Single Use Polymer Products.

Dr Gupta is an accomplished Scientist & Technologist who has successfully translated his fundamental work in Chemistry & Material Science into Commercial Technologies implemented first time in India and currently operational in Industries.

Dr Gupta is an inventor / coinventor of 205 patents and commercialized 25 Technologies in Petrochemicals and Polymer Sectors. He has 94 Research Publications in Peer Reviewed Journals and 110 Invited and Contributed Presentations in International and National Conferences. He is Fellow of The National Academy of Sciences, India (NASI) - and a recipient of VASVIK Award, Acharya PC Ray Awards for Development of Indigenous Technology and 21 Other Technology and Product Development Awards from Govt of India and Industrial Organizations.



**Ms. Paula Sanabria Luque**  
**Senior Director**  
**Mktg. & Commercial Development EMEA, LyondellBasell**  
**Circular and Low Carbon Solutions**

**Speaker**

**Title of the Speech:** Advancing sustainable and circular recycling technologies.

**Ms. Paula Sanabria Luque**

Senior Director Marketing and Commercial Development EMEA, Circular and Low Carbon Solutions.

Paula joined LyondellBasell commercial team in 2010 in Paris, France. Then moved to Rotterdam, Holland and worked in various positions across Sales and Marketing serving a variety of business worldwide with focus on specialty products. In 2018 started a new position as Manager Circular Economy part of LyondellBasell sustainability team driving the Circular Economy ambition for the company. Recently joining the newly formed Circular and Low Carbon solutions team and she and her team are responsible for the marketing and commercial development of the most recent LyondellBasell product family *Circulen*; driving the growth of the brand and new business models in the market in alignment with the company sustainability strategy and long-term business objectives.

Paula holds a Masters degree in business administration and management – from the Polytechnic University of Valencia, Spain and an Executive MBA from HEC Paris, France with an Energy Advance Certificate from HEC Qatar Foundation in Doha, Qatar and ESMT in Berlin, Germany.

***Advancing sustainable and circular recycling technologies***

To truly achieve a circular economy, we have to find creative solutions to meet society's needs. LyondellBasell is taking important steps into the upstream side of the business to secure access to plastic waste that we will convert into new plastic materials at our advanced recycling plants. In this presentation we will highlight how we are expanding our recycling capacity, invest along the value chain to become a full-solution provider for customers and brand owners and how we are accelerating the development and implementation of scalable recycling technologies as part of LyondellBasell's multipronged sustainability strategy.



**Mr. Joseph Pang**  
**Head of Sustainability & Circular Economy**  
**Performance Materials Asia Pacific**  
**BASF South East Asia Pte. Ltd.**

## Speaker

**Title of the Speech:** The Sustainability Journey Evolving the Approaches for Decarbonization and Circularity and Lessons Learned.

**Joseph** leads Performance Materials on strategic and development activities on Sustainability & Circular Economy to deliver on BASF's corporate goals of Net Zero by 2050, focusing on establishing sustainability value chains in close collaboration with cross-industry alliances and partnerships in Asia Pacific.

Prior to BASF, Joseph has extensive experience in the plastics industry over the last 20 years including roles with GE Plastics and RTP. His experience includes development and commercialization of new technologies and new market developments. More recently Joseph co-founded SHINE Advanced Materials and has been working on a number of sustainability projects.

Presentation Agenda

**Abstract:**

The Sustainability Journey Evolving the Approaches for Decarbonization and Circularity and Lessons Learned.



**Ms. Ursula Thakkar**  
**Vice President**  
**Low Carbon Development**  
**TotalEnergies Petrochemicals & Refining - Belgium**  
**Speaker**

**Title of the Speech:** Plastics in the Circular Economy

**Ms. Ursula Thakkar** has over twenty-five years' global experience as an entrepreneur, business leader and strategist in the oil, gas and chemicals industry. She has worked in business management across multiple countries/cultures, with significant exposure to consulting, finance, strategy and competitive intelligence, supply chain and operations as well as marketing, sales and business development.

Ursula is currently Vice President, Low Carbon Business Development, Refining and Petrochemicals Orient at TotalEnergies. Prior to joining TotalEnergies, she was Managing Director for Lubrizol Advanced Materials South Asia. She has also held senior positions at Shell and Infineum.

Ursula Thakkar has an MBA from Harvard Business School and a bachelor's degree in instrumentation engineering from the University of Mumbai.

**Abstract**

Plastics are essential to everyday life because of their many properties. For example, their lightness allows the automotive industry to reduce the weight of vehicles and thus reduce fuel consumption and CO<sub>2</sub> emissions as well. Nevertheless, the current linear model of using plastics is not sustainable and plastic waste management is a mission-critical challenge facing the sector that needs our immediate attention. The circular economy offers an alternative way to work with plastics.

As a leading producer of polymers, TotalEnergies has a role to play in improving how end-of-life plastics are managed, thereby preventing them from ending up in the natural environment. Having announced the ambition to produce 30% recycled and renewable polymers by 2030, TotalEnergies is spearheading several projects to reduce the environmental impact of polymers, promote recycling and produce polymers from renewable materials.

The presentation will share how TotalEnergies is working closely alongside all the professionals in the value chain, including plastic manufacturers, research centers, waste collection and sorting companies, and their customers, to deliver tangible circular economy solutions such as developing different plastic recycling processes and using renewable raw materials to produce bioplastics.

***About TotalEnergies***

TotalEnergies is a global multi-energy company that produces and markets energies: oil and biofuels, natural gas and green gases, renewables and electricity. Our 105,000 employees are committed to energy that is ever more affordable, cleaner, more reliable and accessible to as many people as possible. Active in more than 130 countries, TotalEnergies puts sustainable development in all its dimensions at the heart of its projects and operations to contribute to the well-being of people



**Dr. Babu Padmanabhan**  
**Founder & Chief Knowledge Officer, STEER Group**

## Speaker

**Title of the Speech:** Future Ready Recycling for the Unrecyclable.

Our world is facing a problem that is worsening by the day. This is due to unrecyclable plastic waste entering our ecosystems threatening living beings. It is estimated that globally 250 MMT of unrecyclable waste is generated annually. In India this problem is to the tune of 4.2 MMT and expected to touch around 8 MMT by 2030. It is vital to convert such unrecyclable plastic waste into value added products especially for lower income groups as housing and construction materials.

Densified and sterile plastic materials are much easier to transport and lowers GHGs. It is vital that the waste materials do not carry any pathogens where they can enter living beings mutate and become dangerous. Therefore, it is essential to treat certain plastics waste at the origin of waste generation and SAFEReCYCLER is a novel plastic waste management platform. A non-industrial scale compact equipment working on single phase power, SAFEReCYCLER accepts comingled waste such as Multilayer Films with or without Metallization (MLPs) and personal protection products (PPEs) / medical plastics having mixed polymer such as Polypropylene, Rubber, Velcro, PVC or mask with thin metal wires treating it at 200+ deg C converting the waste into pathogen-free sterile densified chips.

Usage of SAFEReCYCLER will be in Health Care Facilities, Residential Communities, Industrial Units, Commercial Establishments such as airports, malls, offices. It will also be deployed in Ships and other isolated location including Defence establishments. One end application of the chips is as coal replacement due to its high calorific value for cement and steel industry and as feedstock for pyrolysis. The most important application is to feed the chips as one of the raw material for intelligent, inline compounding extrusion that compatibilizes, reinforces and renders the material completely inert while converting into various profiles. These profiles find use in making walls, panels, modular furniture, school furniture, pallets and in general as lumber replacement in many applications.

**Dr. Babu Padmanabhan**, Founder and Chief Knowledge Officer of **STEER group**, Babu undertook doctoral studies in analytical kinematics at Virginia Tech, USA. His dissertation work is based on a NASA project to control the structural vibrations in the International Space Station. The engineering arm of STEER was founded by him in 1993. STEER through sustained work in engineering and fundamental research in materials has created innovative manufacturing technologies that effectively transforms and functionalizes materials in the fields of virgin and recycled plastics, pharmaceuticals, food & nutraceuticals and biomaterials. Babu has contributed to over 30 inventions leading to 150+ international patents. He has led the development of intelligent compounding as a tool for sustainability in the 21st century and usher in a new age of industrial revolution through adoption of continuous and autonomous manufacturing.



**Prof. (Dr.) S. K. Nayak**  
**Vice Chancellor, Ravenshaw University, Cuttack**  
**Former DG, CIPET, Govt. of India**

## **Session - Chairman**

**Prof. Nayak** has spent more than three decades as a Scientist, Academician & Researcher touching millions of lives directly or indirectly in mentoring, inspiring, educating, skilling and most importantly making polymer & allied industries better.

Prof. Nayak, since early days of his research career, was found in labs & libraries, pondering on finding answers to his hypothesis. For him work always came before anything. Since those days he was well known in his circle as a Man of Action.



**Mr. Jeevaraj Pillai**  
**Joint President**  
**Packaging & New Product Development, Uflex Ltd.**  
**Speaker**

**Title of the Speech:** Tackling Plastic waste .

**Jeevaraj Pillai** has over 34 years of experience in Packaging which covers the entire spectrum of packaging technology.

On the sustainability front, he has been working for the past 10 years on addressing the issue of the damage caused to the Environment by plastic litter, by implementing various measures including Recycling of Multi-Layer Plastics & Mono-Polymer based barrier and non-barrier laminate structures. His contribution to implementing the Energy Curing Technology in flexible packaging has resulted in a substantial reduction in carbon footprint.

He has presented papers on Sustainability, Plastic Packaging & Environment, moving towards a circular economy, Application of E-beam Technology for curing, and Mono-Polymer based flexible packaging materials, to name a few. He is one of the co-founders of PPRDC which exclusively works on sustainable solutions to plastic waste issues.

He has also won awards from AIMCAL, FPA, and Dupont for sustainable developments.



**Mr. Carlos Monreal**  
**Founder and CEO**  
**Plastic Energy**  
**Speaker**

**Title of the Speech:** Transforming Plastic Waste: Advanced Chemical Recycling Makes Plastic Circular.

**Transforming Plastic Waste: Advanced Chemical Recycling Makes Plastic Circular**

**Abstract:**

Plastic has benefited our society in several ways. An example, aeronautics technology has taken giant steps forward over the past 50 years, including advancements in satellites, shuttles, aircraft, and missiles. As a result, civilian air travel has improved, as well as military air power and space exploration. In addition, the building and construction, electronics, packaging, and transportation industries to name a few have all benefited greatly from plastic.

But plastic waste is a concern. Although there has been an increase in global momentum to tackle the issue of plastic waste, more technologies are required to provide a solution that will decrease plastic pollution and make plastics more sustainable. Plastic Energy provides a solution to this problem and is paving the way as one of the world leaders in chemical recycling waste plastics. Plastic Energy uses its patented TAC™ technology to transform plastic waste that is difficult or unable to be mechanically recycled, such as flexibles and multilayer films, diverting it from landfill and incineration. Recycled oils from its process (called TACOIL™) are used as a replacement for fossil oils, in the production of virgin-quality food-grade plastics, contributing to the circular economy.

With two industrial recycling plants currently in operation in Spain, Plastic Energy has been developing its TAC™ technology and the chemical recycling industry for over 10 years. They have announced multiple projects in Europe, the US and Asia, including partnerships with SABIC in the Netherlands, Total Energies in France, Freepoint Eco-systems in the US, and Petronas in Malaysia. With Plastic Energy's value-chain partners, they have moved beyond the proof-of-concept stage to the commercialisation of food-grade packaging made from their TACOIL™. TACOIL™ has been incorporated into more than 10 products on the European market, including Magnum ice cream tubs and Vinventions wine closures.

The TAC™ process has been integrated into Axens' technology portfolio; Plastic Energy and Axens being the exclusive licensors of the TAC process. Axens has a long experience delivering technologies in India and will be provide its customers with associated services that includes basic engineering, supply of proprietary equipment, and technical assistance for start-up and operation of the TAC™ plant, leveraging the expertise of Plastic Energy at each step. The partners will also be in position to propose and license a complete technological solution for the pyrolysis pathway, combining Plastic Energy's recycling technology and the Axens Rewind® Mix process for the purification of plastics pyrolysis oil.

We will present and develop the benefits of both TAC™ and Rewind® Mix processes to address the difficult to recycle plastics and achieve a circular economy of plastics leveraging existing petrochemical plants in India.



**Mr. Nicolas Menet**  
**Plastic Recycling Business Development Manager**  
**AXENS Solutions**

**Speaker**

## **Title of the Speech: Joint Presentation with Plastic Energy**

**Nicolas Menet** holds an engineering degree from Ecole Des Mines de Nantes in France. He is also a functional safety certified engineer and also holds lean & six sigma qualifications.

Nicolas has 20 years' experience in the energy sector and has always, over the years, focused in performance improvement of assets through innovative processing technologies and digital solutions.

Axens has recently launched plastics chemical recycling technologies in order to gain activity/presence in the anticipated circular economy and Nicolas is now acting as the business development manager for those technologies.

Before joining Axens, Mr Menet held several positions within Emerson. He started his career as test engineer, laboratory manager, process control consultant, and then moved to marketing and business development roles.



**Mr. Marcel Willberg**  
**Sales Director**  
**Lindner Washtech - Germany**

## Speaker

**Title of the Speech:** Sorting and washing solutions for high quality plastic recycling

**Mr. Marcel Willberg**

Position: Sales director Lindner Washtech  
Since 2016 – Sales manager by Lindner Washtech  
Since Nov. 2022 – Sales director by Lindner Washtech

### **Summary about the speech:**

Short introduction (company Lindner)

Lindner core business is to provide sorting and washing solution for the plastic recycling industry.  
We have the focus on different input materials: HDPE, PP, PET, LDPE, LLDPE

Three standard applications for Lindner washing and sorting solutions

1. Washing line for post-consumer film LDPE
  2. Washing line for HDPE/PP Rigid plastics including hot wash
  3. Sorting and Washing line for a PET bottle to bottle application
- What are the challenges for such input material?
  - Design of the sorting and washing line
  - Explanation of the key components in the washing lines



**Mr. Andy Swain**  
**Sr. Manager Innovation Strategy & PMO**  
**Henkel AG & Co. KGaA Düsseldorf Adhesive Technologies**  
**Speaker**

**Title of the Speech:** Sustainable Adhesives for Consumer Goods.

How can we make this the moment that we do more than just make sustainability promises, and instead live those commitments and deliver tangible results?

Let's be real: promises alone don't change anything. Actions do. And results come from those actions. When it comes to tackling big topics like climate change, circular economy, human rights, water, and biodiversity, we are not going to get the results we want by acting individually. We need to work together, through honest collaboration, from end-to-end, to create the best solutions for our industries and the global environment.

At Henkel, we understand that sustainability is bringing tremendous change to industry at an accelerated pace. That's why our team of global experts are continuously learning, developing, and working to transform our industries.

The Adhesives' Consumer Goods business, together with our customers, is committed to developing solutions that achieve better results with absolutely no compromises.

This presentation outlines key initiatives we have brought to market enabling those customers take concrete steps towards reaching their CO2 reduction goals and delivering more sustainable consumer goods to the market. This is not just about doing more with less. Vital raw materials may be scarce, but with innovation and collaboration across the value chain, we can deliver affordable, sustainable solutions today and for future generations to come.

Let's rethink sustainability. And take action, together.



**Mr. Rajendra Dobriyal**  
**Director, Scientific & Regulatory Affairs, India & South-West Asia,**  
**The Coca-Cola Company**

## **Panelist**

**Rajendra Dobriyal** is a Plant Scientist by training and has over 30 years of experience working with FMCG Industry, dealing with sectors like Foods & Beverages, Personal Care, Home care and Ayurveda. Currently leading the Scientific & Regulatory Affairs function for Coca-Cola in India & South-West Asia, Rajendra has earlier worked in functions like R&D, Naturals, Clinical Operations, Sustainability and Regulatory Affairs. Before his current assignment, he worked for Dabur India Ltd. and Hindustan Unilever Ltd, after his short stint with Ministry of Environment and Forests, Govt of India at the beginning of his career.

Rajendra has contributed many research papers and articles on medicinal plants, authored weekly columns like “*Plant Power*” and “*What's the Alternative*” in English dailies in India and other periodicals. He has co-authored 2 books and has contributed chapters in several books on Ayurveda, Naturals, Medicinal Plants and Naturals Resource Management.

In 2013, Rajendra was invited by United Nation's Convention on Biodiversity at their HQs at Montreal, Canada for presenting his views on Business and Biodiversity. He also delivered an invited lecture at Concordia University, Canada sharing his views on role of Businesses in fulfilling 2020 Aichi targets.

Rajendra is member in various committees and working groups in trade associations in India and Asia Pacific region, related to regulatory & scientific matters and chairs or co-chairs many of them currently.

He also sits in few of the Govt. expert committees related to foods, packaging, clinicals and regulatory affairs.



**Mr. Abhishek Garg**  
**A A Garg & Co.**

## **Panelist**

**Mr. Garg**, is a Chartered Accountant and a member of ICAI. Since 2017, Mr. Garg is serving as the Founder at A A Garg & Co (A2G). He has gained tenacious knowledge in the EPR domain and has established eminent name in the industry for managing EPR compliances with his calculated advisory and supporting companies with confidence.

Prior to this, Mr. Garg had dedicated 5 years in multinational companies such as Morgan Stanley & Unilever where he has played critical roles in projects of F&PA (Finance category), fueling double digit growth for 4 consequent quarters for F&R Business, and as Central Controller for Supply Chain Finances delivering free cashflows of \$1 billion with positive margin delivery of +120 bps & performance management of \$5 billion turnover. He has simplified the entire reporting system with his technical expertise saving more than 100 man-days per year.

A2G, today a prominent Assurance & Advisory firm, provides services to leading Indian & Multinational Corporates since half a decade, and is constantly involved in providing value added business solutions to aid businesses scale up with sustainable & simplistic of approaches.



**Mr. Ashish Jain**  
**Founder Director**  
**Indian Pollution Control Association (NGO)**

## **Panelist**

**Ashish Jain** is a Founder Director of **Indian Pollution Control Association (NGO)** and working in the field of waste management since 2001. He is expert committee member of committee constituted by CPCB, Govt. of Delhi NCT, Govt. of J&K, Govt. of Utrakhand, and Municipal Corporation of Delhi for implementation and improvement of Plastic Waste Management Rules 2016. He is pioneer in preparing and executing EPR action plan for plastic waste management at pan India. He has published books, research papers and articles on these subjects.

He is also a NIUA certified trainer for solid waste management and conducted training programs for various stakeholders including ULBs' and SPCBs' enforcement personals for effective waste management practices and Rules. His expertise lies in developing sustainable supply chain of waste and His professional work encompasses introduction of new technologies related to waste minimization, community engagement, promotion of recycling, and explore sustainable solutions for healthy society.

He is running plastic recycling facility and encouraging youngsters to become entrepreneurs in the field of Solid Waste Management through his academic collaboration with Educational Institutes.



**Ms. Maryam Al Mansoori**  
**General Manager, Rebund Ltd.**

## Panelist

**Maryam Al Mansoori** is the General Manager of Rebound Plastic Exchange, an alternative supply chain model facilitating the global trade of used plastic for recycling. The company's innovative and sustainable solution is supported by the UAE government and backed by the IHC (International Holding Company) of Abu Dhabi.

Ms. Al Mansoori is well versed in government policy and policy making, having led country-level strategic programs and initiatives locally and globally. With over three years of experience at the UAE Cabinet, she co-managed the development of a key federal project, Diploma in the Art of Writing Public Policies and Legislations. With expertise in the fields of economics and the environment, Ms. Al Mansoori has also developed key policies with relevant local stakeholders and ministries which were presented and approved by the Cabinet.

Ms. Al Mansoori has had the honour of presenting climate-related issues to HH Sheikh Mohamed Bin Zayed Al Nahyan during Mohamed Bin Zayed Majlis for Future Generations, where she designed an interactive platform for resolving food security related challenges which empowered youth to participate in decision-making processes.

Born in the UAE, Ms. Al Mansoori is committed to public service, having dedicated her time during school and university to volunteer at different government offices. She graduated with a BA in Finance from the American University in Dubai and she holds professional accreditation certificates in Public Policy Analysis from the London School of Economics, Policy Coherence for Sustainable Development from the National University of Singapore as well as Strategic Policy Planning from the UK's International Centre for Parliamentary Studies.



**Mr. Rahul Vinod Podaar**  
**Managing Director - The Shakti Plastic Industries**  
**Panelist**

Some of the significant credentials:

1. **NITI Aayog** For Plastic Waste Management
2. Vice President for Plastic Recycling at MSMECCII
3. Committee Member Material Recycling Association India (MRAI)
4. Committee Member Indian Plastics Institute (IRI)
5. Committee Member OPPI
6. Committee Member AIPMA
7. Committee Member PLEX COUNCIL
8. Committee Member FPITA

## Summary

Results-oriented Managing Director driven to manage costs and establish strategic mutually beneficial partnerships and relationships with users vendors and service providers. Adept at creating strategic alliances with organization leaders to effectively align with and support key business initiatives. Excel at building and retaining high-performance teams by hiring developing and motivating skilled professionals.

### An overview of the company

The company was brought to the limelight in 1969 by Late Shri Vishwanath Podaar in Malad-West, Mumbai. Later, Mr. Rahul Vinod Podaar (Managing Director) took up the mantle and since then the company has been very instrumental towards expanding the business and eventually set its foot in India as one of the best in Waste management.

The pioneering efforts of my grandfather Late Shri Vishwanath Podaar, my father Vinod Podaar, and my brother Prateek Podaar have led to the growth of Shakti from 10,000 sq.ft to 200000 sq.ft area with 15-20 percent revenue growth every year. We aim at growing with every step in the coming years

- Shakti has Pan India wide presence now collection centers in 21 States and 5 Union Territories
- Shakti is the most entrusted company for EPR service of plastic waste under PWM rules and Recycling. And has the most transparent and traceable system in place for waste management.
- It has a recycling unit installed in Palghar; Mumbai equipped with the best technologies known to the plastic recycling industry.
- Shakti is in the process of setup 10+ recycling units across different states and has already started installations in Gujarat, Madhya Pradesh, and Odisha.

### Some key values of the company:

- Adaptive to government initiatives
- A valuable give back to society
- Valuable suggestions for society to uphold
- Innovation in Plastics Recycling Technologies and Methods



## *Indian Centre for Plastics in the Environment*

Indian Centre for Plastics in the Environment (ICPE) was set up on 27<sup>th</sup> January 1999 on the recommendation of a Task Force constituted by The Ministry of Environment and Forests (MOEF), Government of India, with an objective to handle Environmental, Social and Technical issues related to plastics and the associated industries. This is a not for profit and non-partisan voluntary effort of the plastics industry. Major achievement of ICPE:

- Setting up of Dry & Wet waste segregation centres at Mumbai Wards, 2001
- Compaction and bailing of waste PET bottles for recycling: Mumbai, Matheran Hill, Maharashtra 2001
- Scientific protocol of Co processing of Plastics Waste in Cement Kiln in India
- Use of plastics waste in the construction of asphalt road 2005 onwards
- Pilot plant for pyrolysis of plastics waste into LDO range fuel, New Delhi 2014
- EPS waste collection, compaction and melting for recycling, Pune & Mumbai
- Awareness among school & college students on plastics waste management
- Short videos on awareness on right use of plastics in major Indian languages
- Continue in R & D work in the area of recycling & recovery of plastics waste
- GoI has granted registration to ICPE as an entity for undertaking CSR activities

# International Conference on Plastics & Sustainability



Registration	08.30 - 09.30
Inaugural Session	09.30 - 11.00
Plenary Session	11.30 - 13.30
Technical Session	14.30 - 16.00
Panel Discussion	16.15 - 16.55

## Sponsors



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