

### In-house Publication of



# EXCELLENCE

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# Dr R A Mashelkar honored Mr. Gurcharan Das with Hall of Fame, presented Lifetime Achievement to Mr. Dilip Shanghvi in a Gala Ceremony.

- The gala event of Chemtech CEW Leadership & Excellence Awards 2019 happened on 21st Feb 2019 at the Taj Santacruz, Mumbai
- An independent jury under the chairmanship of Dr. R A Mashelkar selected the winners

Chemtech hosted a gala event on February 21, 2019 in Taj Santacruz, Mumbai to commemorate the contribution of leaders from the industry; and presented CHEMTECH CEW Leadership & Excellence Awards 2019. An independent jury under the chairmanship of Dr R A Mashelkar selected the winners for the awards.



**Hall of Fame**Mr. Gurcharan Das, former CEO, P&G India.



**Lifetime Achievement**Mr. Dilip Shanghvi, Managing Director, Sun Pharmaceuticals Industries Ltd



Award Winners with Dr. R A Mashelkar (FRS) - Chairman , CHEMTECH Leadership & Excellence Awards 2019



### **CHEMTECH Leadership & Excellence Awards 2019**



**Business Leader of the Year - Water Management**Dr Mahesh Gupta, Founder Chairman, Kent RO Systems



**Business Leader of the Year - Specialty Chemicals** Mr. Ramakant Tibrewal, Chairman, Roha Dye Chem



Business Leader of the Year - Chemicals & Petrochemicals Mr. Prasad K Panicker, Executive Director - Kochi Refinery Bharat Petroleum Corporation Ltd



**Business Leader of the Year - Engineering Services** Mr Vinayak Deshpande, Managing Director, TATA Projects Ltd



Business Leader of the Year - Plant & Machinery Mr. Sanjay Kirloskar, Chairman, Kirloskar Brothers Ltd



Outstanding Achievement - R&D Excellence Prof (Dr) A B Pandit (J.C. Bose Fellow), Institute of Chemical Technology



Outstanding Achievement by Start up Mr Devang Shah, Director, Mr Gaurang Shah, Director Bulk MRO Industrial Supply Pvt Ltd



Outstanding Contribution R&D Excellence - Corporate - Praj Industries



Best State Initiative State of Odisha



Dignitaries during gala awards presentation ceremony



### **CHEMTECH World** Expo 2019 received Overwhelming Response

- 612 exhibitors from 18 countries displayed Technology & Equipment: 923 delegates attended Technical Conferences, 18962 Industry Professionals visited the show
- Three firsts: Women in Manufacturing, Digital Pavilion, Student Outreach Program -Biotechnology
- Mr. Sanjeev Chopra (IAS), Principal Secretary, Odisha attended the event as the Guest of Honour
- Dr R A Mashelkar presented the ChemTECH Leadership & Excellence Awards 2019 across 11 categories; Mr. Gurcharan Das, Former CEO of P&G was awarded with Hall of Fame; and Mr. Dilip Sanghavi with Lifetime Achievement Award
- Students presented 97 innovative ideas for Industrial Applications across Automation, Clean Energy, New Materials, Green Chemistry, Corrosion Mitigation, and Biotechnology
- Ministry of Chemicals & Fertilizers, and Ministry of Water Resources supported CHEMTECH World Expo 2019.
- Odisha & Andhra Pradesh participated as the Partner State.

### Focused Vertical for Lab & Analytical Technologies

- Dr. Ashwini Kumar Nangia, Director National Chemical Laboratory is the Chairman of CAB, Lab & Analytix South World Expo 2019.
- 1st CAB meeting on 21st May in Pune.



Government envisages India to be amongst the top countries in the world by 2030 to evolve as knowledge epicenter for

research & innovation in various scientific and technical spheres. This has already necessitated the need for changes in the research infrastructure, up gradation of lab equipment & technologies, induction of advanced technologies in R&D, modernization of research facilities, etc. across industries as well as institutions.

This oneday-conference aims for the productive discussion on how technology-and-innovation can bring paradigm shift in research & development to support evolving the business needs. The discussion aims to engage the Heads of Research Labs, Scientists & Research Professionals, Chemists & Biotechnologists, and Quality Control & Assurance specialists from the industry & academia.

First CAB meeting will be held in Pune on Tuesday, May 21st, 2019 to structure the conference program. The leaders from Lab-and-Analytical -Technology manufacturing companies and the corresponding users will meet and discuss the topics that need to be covered in the conference.



Prof. (Dr) Ashwini K Nangia Director, CSIR-National Chemical Laboratory & Chairman, LAB & ANALYTIX South World Expo 2019

Chemtech will introduce this new vertical during CHEMTECH South World Expo 2019, scheduled to be held from Dec 4 to Dec 6, 2019 in HITEX Exhibition Centre, Hyderabad, Telangana. Chemtech has endeavored to launch focused platform Lab-and-Analytical-Technologies with the aim to create an opportunity for the industry to showcase the latest trends in this space to accelerate modernization and development of R&D facilities in the country.



4-6, December 2019 - Hyderabad, India

### **FACTS & FIGURES - CHEMTECH WORLD EXPO 2019**



COUNTRIES

**DELEGATES** 

**SPEAKERS** 

**VISITORS** 

**STUDENTS** 



### Unique Platform for Hydrocarbon, Energy & Marine industries



Mr. P K Sharma
Director (Operations), Oil India Limited and
Technical Chairman
Oil & Gas World Expo 2020



Mr. Rajeev Mathur Executive Director (Corporate Affairs) & OSD to CMD, GAIL Ltd and Chairman GASTech World Expo 2020



Mr. Prasad K Panicker Executive Director - Kochi Refinery Bharat Petroleum Corporation Ltd and Chairman, Refining & Petrochemicals World Expo 2020

- Up-Mid-&-Downstream of Hydrocarbon Industry to meet once again in Mumbai
- Mr. P K Sharma, OIL Ltd is the Technical Chairman for Oil & Gas World Expo 2020
- Mr. Rajeev Mathur, GAIL Ltd to Chair the CAB for GasTECH World Expo 2020
- Mr. Prasad Panicker, BPCL Kochi Refinery is the Chairman for Refining & Petrochemicals World Expo 2020
- Parallel events on Power, Inland Waterways & Ports



The 9th edition of Oil & Gas World Expo is scheduled from March 4 to March 6, 2020 in Bombay Exhibition Centre, Goregaon (East),

Mumbai. Formerly known as OceanTEX. the event has evolved as the largest platform for the Hydrocarbon Industry in the Western Part of India that holistically covers E&P, Natural Gas, LNG value chain, and Refining & Petrochemicals industries. Chemtech has expanded the scope of the event and brought Natural Gas & LNG value chain under the umbrella of Oil & gas world Expo in the year 2018. The very first edition of this conference was a grand success under the leadership of Mr. Rajeev Mathur, who was then the Chairman of CAB for GasTECH World Expo 2018, in presence of leaders like Mr. D K Sarraf, Chairman, PNGRB, Govt. of India; Mr. Prabhat Singh, MD & CEO, Petronet LNG; Mr. Sarthak Behuria, Executive Director LNG

& LPG, Adani Gas Ltd; Dr. A Karnatak, Director - Projects, GAIL Ltd.; Mr Rahul Deep Singh, MD, Hazira LNG Terminal; Mr. Darshan Hiranandani, MD, H Energy; Mr I S Rao, ED- Natural Gas, BPCL, to name a few.

Mr. Rajeev Mathur, ED- Corporate Affairs & OSD to CMD, GAIL Ltd. has consented to be the Chairman for GasTECH World Expo 2020 and will chair the kick off meeting for structuring the conference program. He holds the position of ED-Corporate Affairs & OSD to CMD, GAIL Ltd.

Mr. Prasad Panicker, ED – BPCL, Kochi Refinery has accepted the invitation to Chair the Refining & Petrochemicals World Expo 2020. Chemtech is in the process of inviting the leaders to form the central advisory board and will soon organize the 1st CAB meeting. Mr. Panicker has led the capacity expansion of BPCL's Kochi Refinery and Downstream Petrochemicals.

CHEMTECH recognized his contribution to the Chemical & petrochemical industry.

Mr. P K Sharma, Director Operations, OIL Ltd will lead the conference program as the Chairman Technical Committee, Oil & Gas World Expo 2020. First CAB meeting is likely to be held in first week of June.



4-6 March 2020 - Mumbai, India





EXHIBITORS 150













Exploration | Production | Transportation | Refining | Gastech

#### 4-6 March 2020

Venue: Bombay Exhibition Center, Goregaon (East), Mumbai, India



# High Power Panel from State of Odisha visits CHEMTECH World Expo 2019



State of Odisha was State Partner for CHEMTECH World Expo 2019



Mr. Sanjeev Chopra (IAS), Principal Secretary, State of Odisha led the delegation of top officials and consultants to the State Government to

attend Chemtech World Expo 2019. He attended the event as the 'Guest of Honour' for the inauguration of this flagship event-and-conference for EPC & Specialty Chemicals.

The state has identified Chemicals & Petrochemicals as one of the high potential areas for development in the Vision 2025 document. Paradip is one of the four PCPIRs approved by the Government in India, with IOCL as the anchor tenant having a capacity of 15 MMTPA. The refiner has recently commissioned 740 KTPA propylene capacity to offer as feedstock for the downstream units and is executing Projects of Mono Ethylene Glycol (400 KTPA), PX-PTA Complex - (1200 KTPA), and Petcoke gasification project with 770 KTPA capacity. With IOCL as the anchor tenant in Paradip, the state welcomes investments in Downstream Petrochemicals. The state will set up Plastic Park, in partnership with IOCL; and has approved to set up Textile Park as a value addition to IOCL's Polymer Plant, a hundred kilometers away from Paradip. In his address, Mr. Chopra informed the Industrial Dignitaries about the available opportunities in Chemical & Petrochemical Sector of Odisha, Infrastructure Development, and the steps that the government has taken on the policy front to enable Industrial Growth. He also met the high level officials from the Chemical Industry over these two days and invited them to explore the investment potential in Odisha.



4-6 December 2019 - Hyderabad, India

### Addressing the Water Woes of Urban World

- It was themed on India's ongoing water crisis
- International speakers attracted the audience
- Hundred plus delegates attended the conference



Amidst the rising urbanization and industrialization, one cannot remain silent about India's ongoing water crisis. Per capita

consumption of water is alarming and the situation is going to get worsened with the further increase in population. This oneday conference on "Urban Sustainability through Smart Water Management" planned under the Chairmanship of Mr. S Masood Husain, Chairman of Central Water Commission, Ministry of Water Resources, RD & GR, Gol; and Mr. Ashish Mathur, Managing Director, Tata Steel Special Economic Zone Limited as Technical Chairman. The conference had a stellar speaker line up and was attended by H.E. Dr. Rashid Alleem. Chairman of Sharjah Electricity & Water Authority; H. E. Mr. Carlos Pereira Marques, Ambassador of Portugal in India, Embassy of Portugal; and Mrs. T Rajeshwari, Additional Secretary, MoWR RD&GR, Gol with DVC, Central water Commission. The conference had case study presentations on projects and new technology interventions for managing resources. development sustainable water utilities, utilizing power of grey water, and digital technologies for water management. Hundred plus delegates attended the conference.



4-6 December 2019 - Hyderabad, India



### **EPC 4.0....Digitalizing the Business Matrix**

- The EPC Conference on 'Leveraging Digitalization across EPC Functional Value Chain' throws light on various value-adding-applications pertaining to Digital Technology
- One hundred and fifty participants attended this daylong conference



(L to R) Mr. Rakesh Verma, Chief Executive Officer, Simon India Limited; Mr. Jason Urso , Vice President - Technology, Honeywell Process Solutions; Mr. B. Narayan, Group President (Procurement & Projects), Reliance Industries Ltd; Mr. Sanjeev Chopra (IAS), Principal Secretary, Industries Department, Government of Odisha & Chairman, Industrial Promotion & Investment Corporation of Odisha Ltd (IPICOL); Mr. Maulik Jasubhai, Chairman & Chief Executive - Jasubhai Group & Chemtech Foundation; Mr. Mohamed Takhim, CEO, ECOPHOS; Mr. Manish Chandra, Managing Director - Accenture Strategy, India



Mr. B Narayan lights the ceremonial lamp during inauguration of CHEMTECH + EPC World Expo 2019



The EPC conference "Leveraging Digitalization across EPC Functional Value Chain" received overwhelming response from the EPC industry

fraternity, stakeholders from alliedservice-providing sectors, and most importantly from the project owners. The conference program throws light on various Value-Adding-Applications pertaining to Digital Technology for each of the silos of Engineering, Procurement, and Construction can bring to the table at each stage of the Project Execution for the EPC industry; and leveraging technologies during the plant lifecycle for the project owners. Mr. B Narayan, Group President -Procurement & Projects, Reliance Industries Ltd expressed, "I would expect the EPC fraternity should be able to ultimately work towards providing the owner a data set in the form of digital twin, and not a document set so that the plant owners can start gathering the

data right from the moment the plant operation starts". Mr. Manish Chandra, MD, Accenture India mentioned, "Indian companies have been moving forward in their Digital Journey; However, what we have seen is: these are all disjointed, standalone initiatives like implementation of connected worker, analytics." Even though these are good starting points, but disjointed initiatives do not deliver full value, he added. One hundred & fifty delegates attended the daylong conference and participated in the Engineering-Procurement-and-Construction session followed by the panel discussion on 'Blue Print for Digital Success of all Value Chain Partners'.



24-27 February 2021 - Mumbai, India



Dignitaries during the EPC conference



# Specialty Chemical Industry: Ease of Doing Business vis-á-vis Change Influx

- Dr. Raman Ramachandran was the Chairman of CAB, Specialty Chemical World Expo 2019
- The day was spanned for various panel discussion based sessions on businesscritical topics viz. 'Sustainability & Circular Economy,' 'Building Innovation Ecosystem through Successful Industry & Academia Partnerships,' 'Leveraging IIoT & Digitalization for Sustainable Growth'; and finally the themed subject – 'Ease of Doing Business.'



(L to R) Mr. Maulik Jasubhai - Chairman & Chief Executive, Jasubhai Group & Chemtech Foundation; Mr. Gurpreet Kohli, Global Program Director (R&D), Unilever India Ltd., Mr. Sanjeev Chopra (IAS), Principal Secretary, Industries Department, Government of Odisha & Chairman, Industrial Promotion & Investment Corporation of Odisha Ltd (IPICOL); Mr. Omer Dormen, Managing Director, Castrol India Ltd; Dr. Sanjay Mishra - Chief Technology Officer, SABIC; Mr. Ashish Dwivedi, President, Specialty Chemicals & Business Strategy, Aditya Birla Group - Chemicals Business



On the face of various present challenges in Specialty Chemical Industry viz. Product commoditization, communicating

differentiated value, fluctuating raw material cost, appropriate response strategy to aggressive customers, etc. "Ease of doing business in India: Leveraging Sustainability, Digitalization & Innovation" became a very contentious subject. The specialty conference attempted to find answers to the most fundamental question: 'how competitive India is or would be as a country or a territory for doing business with an aim to grow across the nation as well as the globe, especially when a lot of change-influx are prevalent in terms of Innovation, Digitalization, Technological Changes, and many more'.

The tone was rightly set by Dr. Raman Ramachandran - Chairman CAB,

Specialty Chemical World Expo 2019 and the Head of South Asia & CMD, BASF India Limited. He said, "India's ability to manufacture complex agrochemicals and pharmaceuticals, cost effectively, has already established it as a serious contender in specialty chemicals space. To become the next major manufacturing hub for specialty chemicals, India needs to leverage the power of Industry 4.0 via digitalization and embrace sustainable manufacturing practices. The industry also needs to focus on Research and Innovation as a differentiator. A marriage of world class Indian academic talent with abundant entrepreneurial spirit can prove to be a potent combination." This was followed by Vice Chairman's address by Mr. Gurpreet Kohli - Global Program Director R&D - HUL, who presented the end user's perspective; followed by Keynote Addresses by Dr. Sanjay Mishra, Head of Innovation, Specialty Chemicals, SABIC; and Mr. Omer Dormen, Vice President



Dr. Raman Ramachandran - Head South Asia & CMD, BASF India Ltd - Chairman CAB, Specialty Chemicals World Expo 2019 lights the ceremonial lamp during inauguration of conference

- India & South Asia, Castrol India Ltd. Mr. Sanjeev Chopra (IAS), Principal Secretary, Industries Dept., Govt. of Odisha & Chairman, IPICOL was the Guest of Honour during the inauguration conference and appraised the industry about the vision of State of Odisha to drive the growth of chemicals Petrochemicals and downstream industry in the Paradip PCPIR region. Mr. Ashish Dwivedi, President, Specialty Chemicals & Business Strategy, Aditya Birla Group - Chemicals Business presented the concluding remarks & Vote of Thanks at the end of inaugural session.

The entire day was spanned for various panel discussion based sessions business-critical topics 'Sustainability & Circular Economy', 'Building Innovation Ecosystem through Successful Industry & Academia Partnerships', 'Leveraging IIoT Digitalization for Sustainable Growth'; and finally this eventful day had been concluded with the themed subject -'Ease of Doing Business'.



24-27 February 2021 - Mumbai, India



# Debate on Hydrocarbon Industry in Emerging Environment Friendly World

- 250 professionals attend the Inaugural Ceremony of Refining & Petrochemicals conference
- India would need refining capacity of 533 MMTPA by 2040
- · Oil & Gas to continue as the key fuel source till 2040



(L to R) Mr. M S Patke, Executive Director, HSSE and Advance, Liquid Biofuels, BPCL, Mr. P. D. Samudra, C.E.O & Managing Director, Thyssenkrupp Industrial Solutions India Pvt. Ltd., Mr. B Ashok, Chief Executive Officer, Ratnagiri Refinery & Petrochemicals Ltd. (RRPCL), Mr. Anil Bhatia, Vice President and Managing Director, Emerson Automation Solutions, India, Mr. Rajat Kishore, Managing Director & Vice President – Process, Automation India Hub, Schneider Electric Systems India Pvt Ltd and Mr Yatinder Pal Singh Suri, Country Head, Outokumpu



Mr. B Ashok, CEO of Ratnagiri Refinery & Petrochemicals Ltd, inaugurated the 10th edition of Refining & Petrochemicals

World expo 2019 and presented the Keynote Address. He pointed out, 'Disruption' to be the most used word; and that Uncertainty was the only certainty everywhere in the current environment. Amidst sharp changes in market dynamics, the leadership and management across the refining industry is being confronted with many challenges. The decision making have become very complex considering large investments & long gestation periods. He said, "International agencies such as IEA & OPEC projected that almost 40% of incremental demand for oil would come from India. There is a considerable drive and effort by both the Government & the Industry to rein in the import dependence through increased use of renewables, biofuels, and other alternatives besides efficiency improvement the energy initiatives." According to the Ministry of Oil, India would need annual capacity of more than 530 MMTPA by 2040 to meet the domestic demand; and additional capacity is required to maintain 25% export surplus, which is currently under the evaluation-scope of the Minsitry. Mr. P. D. Samudra, CEO & Managing Director of thyssenkrupp Industrial Solutions (India) stated, "To make investments attractive in refineries, it is essential to opt for Integrated Complexes with downstream Petrochemical & Polymer production." The sessions on 'Future Strategies of Refiners & Petrochemicals Manufacturers'. 'Licensors Technology Providers: Creating Enabling Environment', and 'Next Gen Technologies for Smart Operations'



Mr. B Ashok lights the ceremonial lamp during inauguration of Refining & Petrochemicals World Expo 2019



Dignitaries during the Refining & Petrochemicals World Expo 2019

were followed by the panel discussion on 'Hydrocarbon Industry in Emerging Environment Friendly World'. The conference program was planned under the leadership of Mr. R K Ghosh, Cluster President of Reliance Industries Ltd, as the Technical Chairman for Refining & Petrochemicals World Expo 2019.



4-6 March 2020 - Mumbai, India



# Building Intelligent Industry Chemtech Introduces Digital Pavilion

- Digital Pavilion was introduced to showcase the Future of Chemical Processing Industry
- Parallel Conferences were focused on wow the Industry can use Digital Technologies to monitor the performance, anticipate failures, take correctives, and prevent unprecedented downtimes.



(L to R) Mr. Jonas Berge, Senior Director, Applied Technology, Emerson Automation Solutions; Mr. Dhruv Jain, CoE (Smart Manufacturing & Industry (4.0) Group IT, Aditya Birla Group; Mr. Sharad Joshi, Head Industry 4.0, BASF Chemicals India Pvt. Ltd.; Mr. Eberhard Klotz, Global Head of Industry 4.0, Campaign, FESTO; and Mr. Benjamin Bruns, Product and Business Manager, Beckhoff Automation.



Industry experts see digitalization as a catalyst, which will promote innovation; and thereby transform the

functioning of the Chemical Industry. Chemtech introduced the Digital Pavilion to showcase - what the future holds Chemical Processing Industries across the globe. The participants in digital pavilion showcased the latest applications for manufacturing. procurement, engineering design, construction. ΑII technical and conferences were organized under the umbrella theme of digitalization that garnered very strong response from the industry professionals.

The subject was very well covered in the conferences for Industrial Automation & Control and Pumps Valves & Fittings planned under the leadership of Mr. R P Natekar, Executive Director - Gas, Bharat Petroleum Corporation Ltd. Speaking the during inauguration of conference, Mr. Anil Bhatia , MD Emerson Automation India noted that in today's time while everyone looks at data as gold, in my view, it is the gold ore from which you need to extract the right data that can be analyzed and optimally used by the organizations. Though the industry is talking about going digital,

the first step in this direction would be to adopt the advanced automation technologies and later integrate the processes to derive the results from application of digital technologies. Experts shared their experiences and insights on how they have commenced their digital journey, through new technologies and anticipated future challenges.

Parallel conference on Pumps Valves & Fittings had strong focus on use of smart pumps & valves and how the industry can use digital technologies to monitor the performance of pump through the entire lifecycle, as well as the anticipated failures to take necessary corrective actions to prevent unprecedented downtimes. Mr. Rajat Kishore, Managing Director & Vice President - Process Automation India Hub, Schneider Electric Systems India Pvt Ltd; Mr. K. Nandakumar - Chairman & Managing Director, Chemtrols Engineering Ltd.; Sharad Joshi, Head 4.0, BASF Chemicals India Pvt. Ltd.; Mr. Dhruv Jain, CoE(Smart Manufacturing & Industry 4.0) Group IT, Aditya Birla Group: Mr. Ravindra Deshmukh, BPCL: Somavanshi Manager, Mr. Vinod, Manager Engineering Services-LPG, BPCL; Mr. D S Vibhandik, GGM - Instrumentation, ONGC; Mr. Sriram Ayyar, Head of Project Controls & Digitalisation, Onshore Projects, L&T Hydrocarbon Engineering Limited were among the speakers who participated in discussions.





4-6 December 2019 - Hyderabad, India



### Two New Initiatives for Student Outreach Program

- Women in manufacturing applauded by the students & industry
- Focused platform for Biotechnology has been introduced in partnership with BIRAC
- 2150 students attended the event
- Students presented 97 innovative ideas to the Industry



(L to R) H.E. Dr. Rashid Alleem, Chairman - Sharjah Electricity & Water Authority; Ms. T Rajeshwari, Additional Secretary, Ministry of Water Resources, RD & GR, Government of India; Mr. Adnan Ahmad, Vice Chairman & Managing Director, Clariant Chemicals (India) Ltd; Dr. Mahesh Gupta, Founder Chairman, Kent RO Systems



Student Outreach Program has evolved as one of the largest student engagement platforms for the interaction with the industry; and 2150

students from Chemical Engineering and Biotechnology attended the Icon Lectures, presented their ideas as posters and prototypes, and participated in workshops for biopolymers and bio-plastics, and attempted to seek internships in the industry. Adnan Ahmad, Vice Chairman & Managing Directore, Clariant Chemicals (India) Ltd & Chairman SOP 2019; Dr Mahesh Gupta, Founder Chairman, Kent RO Systems Ltd: and Gurcharan Das. renowned author & former CEO, Procter & Gamble addressed the students . The students enjoyed interacting with Ann Ollestad, Consul General, Norwegian Consulate General Mumbai; Ashima Sushilchandran, Head of Large BASF Capital Projects, Chemicals India Ltd; Roma Shah, CEO, Eastmen Chemicals; and Upasana Wadhwani,

Process Engineer, BASF Chemicals India Pvt Ltd during the session on Women in Manufacturing. Harshvardhan Zala - CEO & CTO of Aerobotics 7, and Prateek Sharma - CEO and Director of Nanoclean Global Pvt Ltd shared their entrepreneurial journey with the students; and encouraged them to pursue their dreams in the session on Entrepreneurship & Innovation . Mr. U Shekhar - Managing Directore of Galaxy Surfactants Ltd engaged with the students along with Mr. Tej Dialani --

Head of Strategic Projects & Convener, Specialty Chemicals World Expo 2019 to guide them for their future course.

Students presented 97 innovative ideas across the categories of: Automation and Trends in Chemical Technology, Non-Conventional and Clean Sources of Energy, Environmental and Green Chemistry, Novel Engineering Materials Corrosion Mitigation, and and Biotechnology during **CHEMTECH** World Expo 2019. The Jury, comprising of Academicians and Experts from the industry, had evaluated the projects across the parameters of originality & effort, scope, and industrial applications to select the winners. Students also visited the exhibition to understand the latest trends in Chemical Processing Equipments & Technologies.

### Student Outreach Program

Develop Future Leaders

24-27 February 2021 - Mumbai, India



Q&A in progress during SOP 2019



Full house during Icon Lectures

# Jasubhaj

#### **Testimonials**



"I have been observing that the World Expo & Conferences, held each year at the aegis of Jasubhai Group and CHEMTECH Foundation, are becoming more and more popular among the industry-and-academic practitioners, due to the sheer benefits that the participants have been deriving by attending or / and participating in these events. Your invaluable contribution to the success of these Expo-cum-conference is commendable."

Mr. B Narayan Group President Procurement & Projects, Reliance Industries Ltd





"With every passing year Chemtech World Expo continues to grow from strength to strength. It is an excellent platform for Industry Professionals from across the whole value chain to share their thoughts and experiences. 2019 theme of Digitalization was very apt, given that the world is seeing a huge thrust in this direction. Kudos to the Chemtech team."

Mr. Sunder Kalyanam Group Managing Director, Engineering & Construction Growth, Petrofac - Engineering & Construction





"It was a privilege to Chair the Conference Committee; and I am delighted that participants found it to be enriching. This would not have been possible without the support I have received from Mittra in creating this platform and being there in all conference committee meetings. I have also been quite touched by the enthusiastic participation that we received from our Industry Colleagues and Academia."

Dr Raman Ramachandran Head South Asia & CMD BASF India Ltd





"It was a very effective forum to share insights with several thought leaders on the key opportunities in Specialty Chemicals around Innovation, Circular Economy, and IR 4.0, to name a few."

Dr Sanjay Mishra Head of Innovation, SABIC's Specialty Chemicals





"A tremendous experience on how the eloquent and distinguished speakers, waste and water treatment technology providers, engineers, consultants, and the fellow key decision makers aim to improve the water efficiency."

Dr Rashid Alleem Chairman, Sharjah Electricity & Water Authority





"Let me take this opportunity to applaud your efforts towards recognition of achievements, especially of young enthusiasts. It will pave the path further for overall growth of the country."

Mr. Ramakant Tibrewala CMD, Roha Dyechem Ltd





"Thank you for giving me an opportunity to be one of the speakers in the STUDENT OUTREACH PROGRAM at Chemtech 2019. The topic on Women in Manufacturing is really close to my heart. It was a great honor to address a large no. of students and interact with the like-minded women too. In future I would look forward to such high impact opportunity."

Ms. Roma Shah Chief Executive Officer, Eastmen Chemicals





"This year the number of visitors was up compared to the past editions. The market moment is very good for the Chemical and allied Process Industries in India. VDMA members at CHEMTECH were very happy to speak about a number of projects coming up now. The general mood of the show was very good. CHEMTECH remained as a must attend show here in India!"

Mr. Ragnar Strauch
Director Int. Markets Process Technology,
VDMA Forum Process Technology





### PARTICIPATE NOW HYDERABAD > 4 5 6 DECEMBER 2019

#### Process Industry's Gateway to Indian Market



### International Exhibition and Conferences 4-6 December 2019

**Venue:** HITEX Exhibition Center, Trade Fair Office Building Izzat Nagar, Kondapur PO, Hyderabad, India



#### Concurrent Events











#### **Exhibitors Profile**

- Chemical Processing
- Pharma & Biopharma processing
- Laboratory Technology
- Measuring & Testing
- Quality Control
- Analytical Instruments
- Lab Equipment
- Pumps Valves & Fittings
- Automation
- Water & Wastewater treatment
- EPCs
- Engineering Consultants
- Environmental services
- Emission Control
- Safety

#### **Visitors Profile**

- Chairmen, MDs , CXOs, Directors, Presidents & Vice Presidents
- Heads of : Technology, Operations, Manufacturing, Procurement, Purchase & R&D
- Decision makers & representatives from State Governments, Industrial Development Corporations & Regulatory bodies
- Scientists, Lab Managers & Technicians
- Qualitu Control /Assurance Managers
- R&D Officers and Executives
- Professors & Lecturers, Chemists & Bio Chemists, Microbiologists & Pathologists
- Lab Directors, Purchase Managers, Analysts, Research Scholars, Scientific Officers
- Representatives from Municipal Corporation, Water Bodies and Regulators
- Environmental and Pollution Control Boards
- Ministry of Rural Development and Drinking Water Mission

#### **End User Industry Connect**

- Pharma & Biopharma
- Bulk Drugs
- APIs
- Biotechnology
- Chemical Processing
- Chemicals & Petrochemicals
- Agrochemicals
- Fine & Specialty Chemicals
- Oil, Fats & Oleo Chemicals
- Food & Beverages
- Advanced Materials
- Material Testing & Inspection
- Contract Research & Manufacturing
- Research Laboratories
- Clinical Research Labs
- Government Agencies
- Municipalities & ETPs
- Pollution Control Boards
- Water & Waste Management

Facts & Figures
South 2017



182 EXHIBITORS



**597**1 VISITORS



25 SPEAKERS



128
DELEGATES



Organised by

#### Jasubhai Media Pvt Ltd

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