



**SAFETEMBER**

# Process Safety Webinar Series 2021 e-booklet

Every Wednesday Starting From Sep 1<sup>st</sup> to  
Oct 6<sup>th</sup> 2021

3:30 PM to 4:30 PM IST

<https://www.kaypear.com/webinar>

**Organized By**



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# Our Partners

## Industry Partner



## Media Partner

**CHEMICAL INDUSTRY DIGEST**



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# About Safetember 2021

Safetember is organized by Kaypear Consulting LLP. It is a process safety webinar series organised in the month of September. This is a virtual webinar series in 2021, and aims to improve facilities Process Safety Performance and instil safety culture.

A free to register webinar series dedicated solely to various topics in the areas of Process Safety and Risk Management. It provides an opportunity to learn from various Process Safety and Risk Management professionals to enhance your knowledge.



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# About Kaypear

Our Vision is to protect people, maintain assets, and save our planet. We are your trusted partner in achieving your Process Safety Management goals by providing tools, engineering services, technical stewardship, and training and development. We are committed to deliver solutions that are cost-effective without excess capital demand. We serve the Chemical Process Industries globally.

An organization can go from standard practice to best in class by understanding the gaps and monitoring Process Safety performance. Kaypear can assist organizations in all elements of Process Safety Management (PSM) by providing custom based solutions that integrate with existing business processes. If you want to implement a Process Safety program or if you want to improve your existing program, feel free to contact us on how we can help you in your Process Safety goals.



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# Our Services

Our PSM services will help you better understand the risks associated with your process and can provide you with risk reduction strategies to prevent or mitigate catastrophic incidents. We understand your Process Safety needs as we have extensive experience in executing PSM programs across the globe. Process Safety Management is a performance standard that requires proactive management of the risk associated with hazardous chemicals. An effective Process Safety Management program can reduce risk, boost productivity, increase shareholder value, and minimize business interruption. Our staff consultants can help you in Process Safety and Risk Management needs throughout the life cycle of the plant.

Some of the services we offer are but not limited to the following:

- Process Safety Management Implementation
- Process Safety Information Development
- Relief System Design and Design Basis (Two-Phase & Reactive)
- Process Hazard Analysis and Risk Assessments
- Management of Change Improvement Coordinator
- Pre-Start Up Safety Review
- Audit and Gap Assessment



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# About Our Industry Partner



**Basic Chemicals, Cosmetics & Dyes Export Promotion Council** popularly known as **CHEMEXCIL** is set up by the Ministry of Commerce and Industry, Government of India (GoI). The main role of the body is to interface with Industry and GoI to formulate export oriented policies and create favorable environment to augment exports. Nodal agency for compliance of REACH legislation of the European Union. Engages in review meeting as well organized by Ministry of Commerce and Industry to chalk out strategies for promotion of exports of the items and present issues / suggestions / views received from its member-exporters.

For more details visit: <https://chemexcil.in/>



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# About Our Media Partner

## CHEMICAL INDUSTRY DIGEST

**Chemical Industry Digest** is India's leading chemical and engineering monthly known for its qualitative content with practical relevance for process industries. It features articles and write-ups on current developments, state-of-the-art technologies, equipment design, plant operations, maintenance, energy management, environment, and safety. Chemical Industry Digest also includes news features, company profiles, and mini directories of equipment manufacturers and service providers making it very engaging. The journal readership includes a very targeted top technical audience who influence decisions; from engineers, scientists and technical personnel in top management to the plant level. Industries covered are oil & gas, refineries, petrochemicals, fertilizers and agrochemicals to drugs & pharma, fine chemicals, colorants, EPC & equipment manufacturers, etc.

For more details visit <https://chemindigest.com/>



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# Webinar Agenda

All the webinars are conducted on every **Wednesday** from  
**3:30 PM to 4:30 PM IST**

**1<sup>st</sup> Sep 2021**

## **Explosion Basics With Screening Application**

*Ken First*

CCPS Staff Consultant and Lecturer  
at University of Michigan

**8<sup>th</sup> Sep 2021**

## **Behavioural Based Safety**

*Shwetha Rao*

HSE&S Manager Akzonobel

**15<sup>th</sup> Sep 2021**

## **Electrostatic Discharge Risk Assessment**

*Mahesh Jalkote*

Manager Corporate Safety, Asian Paints



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**22<sup>nd</sup> Sep 2021** **MOC & PSSR In Managing Operations Risks**  
*Ruchita Gosavi*  
Senior Engineer S&OR Reliance Industries Limited

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**29<sup>th</sup> Sep 2021** **Pressure Safety / Process Safety Interactions: Close Co-operation?**  
*John Hauser*  
Principal Engineer ProSaf

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**6<sup>th</sup> Oct 2021** **How Organization Structure Creates Culture**  
*Dr. Gilsa Pacheco Monteiro*  
Process Safety Specialist



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# Speakers Profile



## **Explosion Basics with Screening Application**

**Kenneth First**

*CCPS Staff Consultant and Lecturer at University of Michigan*

Ken First is a recent retiree from the Dow Chemical Company and currently a Staff Consultant with AIChE Center for Chemical Process Safety and part-time Lecturer at the University of Michigan. He received his BS degree in Chemical Engineering from Case-Western Reserve University and has more than 45 years industrial experience within Process Research, Process Engineering, AgroChemicals Manufacturing Technology, and Process Safety. Over the past few years Ken has developed various Process Safety training workshops and spreadsheet tools to assist study teams to be more productive. These materials are being updated and made available to the chemical industry through the AIChE Center for Chemical Process Safety and the European Process Safety Centre.



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# Speakers Profile



## **Behavioural Based Safety**

**Shwetha Rao**

*HSE&S Manager Akzonobel*

Shwetha Rao brings more than 20 years of experience and is currently working as the HSE&S Manager – Painting and Coatings in AkzoNobel, where she manages HSE&S function for 5 manufacturing and 35 standalone warehouses. She is the lead corporate auditor and lead incident investigator for Asia Pacific. She developed HSE&S system in accordance with corporate & legal requirements like Process Hazard Analysis, Management of Change, Hazardous Waste Management, Accident / Incident Management, Noise Mapping, and situational mock drills. She is an expert in integrated management systems (ISO 14001, OSHAS 180001, and ISO 9001) by methodology development, facilitation at business units and obtain validation certification from authorized body. Shwetha strongly believe in robust safety and sustainability programs can create a safety culture and advises top management in HSE&S compliance, safety strategy, and safety improvement programs. Shwetha has a Post Graduate Diploma in Environmental Law from National Law School and a Diploma in Industrial Safety from Chidambaram University. She graduate in Bachelors in Environmental Engineering from Mysore University.



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# Speakers Profile



## **Electrostatic Discharge Risk Assessment**

**Mahesh Jalkote**

*Manager Corporate Safety,  
Asian Paints*

Mahesh Jalkote works as a Manager Corporate Safety at Asian Paints Limited, Mumbai. He is an HSE professional with more than 15 years experience with core expertise in implementation of Safety Management Systems at green field and brown field projects, start up activities, formulation of project specific safety plants and monitoring compliance with ISO 45001:2018. He has expertise in design, develop, and implementation of OHS Software. Mahesh has demonstrated knowledge of BBS implementation using SUSA, HARP, and ABC tools. He has done his M. Tech in Environmental Management JNTU Hyderabad in 2021. Advance Diploma in Industrial Safety from Maharashtra State Board of Technical Education. He graduated with BE Civil Engineering from Dr. Babasaheb Ambedkar Marathwada University in 2005.



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# Speakers Profile



## **MOC & PSSR In Managing Operations Risks**

**Ruchita Gosavi**

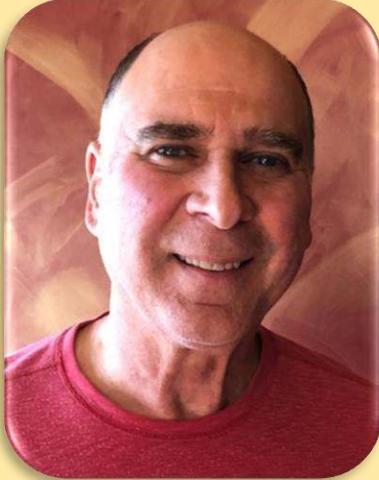
*Senior Engineer S&OR Reliance  
Industries Limited*

Ruchita Gosavi is a Senior Engineer – Safety and Operational Risk in Reliance Industries Limited. She brings more than 10 years of experience and drives Management of Change, Pre-Start Up Safety Review, Process Safety Information, Management of Reactivity Hazards improvement programs and benchmarks them with global practices. She adopts best practices with an aim to reduce or prevent process safety incidents. During her tenure in manufacturing at Reliance Industries, she identified opportunities for energy improvement and optimized plant operations. She is BEE certified energy auditor and is an internal auditor for integrated energy management system. She has completed B.Tech in Chemical Engineering from Laxminarayan Institute of Technology, Nagpur.



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# Speakers Profile



**Pressure Safety / Process Safety Interactions: Close Cooperation?**

**John Hauser**

*Principal Engineer ProSaf*

John J. Hauser is the Principal Engineer at PROSAF Inc and a Fellow at the American Institute of Chemical Engineers. At PROSAF, he has successfully helped clients for over 30 years in the field of Emergency Relief System Design, Process Safety and Safety Instrumented Systems. He has been involved with DiERS since 1986, he currently serves on the DiERS operating committee, served in SuperChems technical evaluation committee and served on the book writing committee for CCPS Guidelines for Pressure Relief and Effluent Handline, Second Edition. He taught the Advanced Course on Emergency Relief System Design hosted by AIChE. He has published 2 papers in fire case ERS design articles: Jan 1995, Process Safety Progress, and September 2001 in Journal of Loss Prevention in the Process Industries. He earned a BSChE Degree from Carnegie-Mellon University in 1975. He is registered professional engineer in PA, TX, and IL.



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# Speakers Profile



## How Organization Structure Creates Culture

**Dr. Gilsa Pacheco Monteiro**  
*Process Safety Specialist*

Gilsa Pacheco Monteiro has more than 18 years of experience in process safety in the oil and gas industry. She has worked in different activities such as risk analysis leadership, development of standards, performance indicators and safety training. Chemical engineer with a post-graduation in Occupational Safety, she holds a master's degree and a PhD in the Safety Analysis Area of the Nuclear Engineering Program of Federal University of Rio de Janeiro. In 2018 worked full time as a visiting PhD researcher at the School of Sociology of ANU (Australian National University), with the Emeritus Prof. Andrew Hopkins. She co-authored Chapter 8 (How decentralization undermines process safety: some illuminating cases) of Hopkin's book "Organizing for Safety – How structure creates culture". She was also a member of the CCPS (Center for Chemical Process Safety) Subcommittee responsible for the development of the book "Essential Practices for Creating, Strengthening, and Sustaining Process Safety Culture".



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# Notes

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