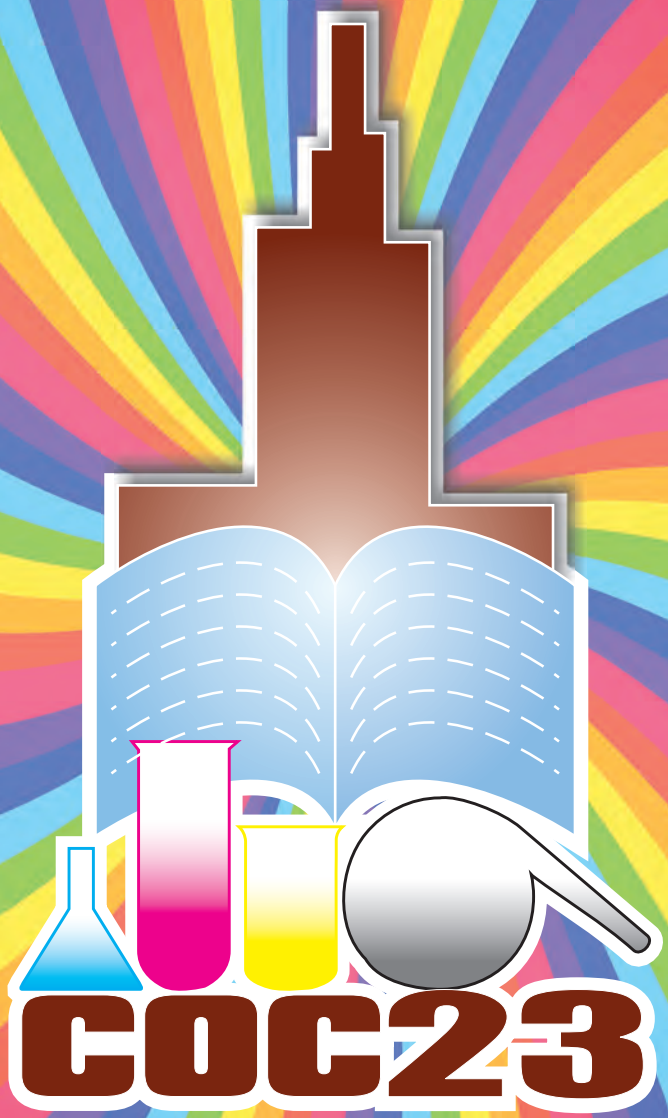
INTERNATIONAL

Convention on Colorants - 2023

THE DYES & PIGMENTS MANUFACTURERS ASSOCIATION OF INDIA

Department of Chemicals and Petrochemicals, Government of India

Department of Speciality Chemicals Technology
Institute of Chemical Technology



2nd & 3rd March 2023
The Club, Andheri, Mumbai

Publication Partner

COLOURAGE
The Magazine for Textile and Garment Processing

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Preamble

The 9th International Convention on Colorants (COC23) will be held on 2nd and 3rd March 2023 at The Club, Andheri, Mumbai. This biennial event is organized jointly by Department of Speciality Chemicals Technology *(formerly Department of Dyestuff Technology)*, Institute of Chemical Technology and The Dyes & Pigments Manufacturers Association of India *(formerly The Dyestuff Manufacturers Association of India)*. Its purpose is to provide a platform for discussing the current status and future trends in the colorants field.

While the Indian chemical industry seems to have by and large weathered the worldwide pandemic and its aftermath, the Indian dyestuff industry was severely impacted by volatility in raw material prices and rising transportation costs. The prolonged war in Ukraine has dampened hopes of post-COVID recovery. These developments coupled with the recent increase in the number of accidents have brought to the forefront the importance of developing and adopting inherently safe, efficient and environmentally friendly manufacturing processes in chemical plants.

COC23 will be an occasion for industry professionals, academicians, manufacturers and application specialists to network and address all these and other relevant issues. It will feature a select group of national and international speakers who are recognized experts in their chosen field. More than 200 delegates are expected to attend this convention thereby creating a very good opportunity to make new contacts and renew old ones.

This convention will be immensely beneficial to entrepreneurs, marketing and manufacturing professionals, R&D scientists and university researchers.

Who Should Attend?

(from Colorants and Allied fields)

- **Chief Executive Officers**
- **Production, Application and Marketing Executives**
- **Senior Technology and Management Executives**
- **Corporate Managers**
- **R&D Scientists**
- **Students**

Focus Areas

- **Process and engineering safety**
- **Organic Light Emitting Diodes (OLEDs)**
- **Sustainability**
- **Process intensification**
- **Colorants from renewables**

Delegate Fees – per delegate

(includes Conference kit, Lunch & Dinner on both days)

Indian Delegates	**Rs. 6500**
(For three or more delegates from the same Company)	*Rs. 6000*
DPMAI and GDMA Members	**Rs. 5500**
(For three or more delegates from the same Company)	*Rs. 5000*
Students	**Rs. 1200**
Foreign Delegates	**US $ 150**

18% GST will be applicable on the delegate fees.

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Tentative Program

Thursday, 2 March 2023

0800-0900	**Registration and breakfast**
0900-1040	**Inaugural Session**
	Chief Guest: to be finalized
	Keynote Speaker: to be finalized
1040-1115	Tea Break
1115-1255	**Session I: Safety**
	Dr M Surianarayanan, *Ex-Central Leather Research Institute, Chennai*
	- Process safety considerations in colorants manufacturing
	Mr Suman Dutta, *President - Technology, Atul Ltd, Atul*
	- Safety - Conceived by heart, designed by brain
1255-1400	Lunch Break
1400-1540	**Session II: Functional Colorants - I**
	Dr Debasis Bhattacharya, *Sr. Gen. Mgr., R&D (Plates), TechNova Imaging Systems (P) Ltd*
	- Some unique applications of NIR dyes
	Prof Hiroyoshi Naito, *Specially Appointed Professor, Osaka Metropolitan University, Japan*
	- Introduction to device physics of OLEDs
1540-1600	Tea Break
1600-1740	**Session III: High Performance Pigments**
	Dr Tipanna Mariyappa, *Consultant*
	- Speciality pigments
	(Second speaker to be finalized)
1740-1900	**Poster Session**
1900 onwards	**Cocktails and Dinner**

Friday, 3 March 2023

0830-0930	**Registration and breakfast**
0930-1110	**Session IV: Environment & Sustainability**
	Dr Girish R Pophali, *Sr. Principal Scientist, CSIR-NEERI, Nagpur*
	- Textile and dyestuff wastewater treatment through ETPs and CETPs - Case studies
	Dr Rajesh Ramamurthy, *Vice President & Regional Head - Product Stewardship Asia, Archroma India (Pvt) Ltd*
	- Driving sustainability agenda with ESG compliance
1100-1130	*Tea Break*
1130-1310	**Session V: Colorants from renewables**
	David Callaghan, *Head of Coloration, Colorifix Ltd, UK*
	- The coloration narrative can and must change!
	Prof R V Adivarekar, *Institute of Chemical Technology, Mumbai*
	- Sustainable alternatives for Textile coloration
1310-1410	*Lunch Break*
1410-1550	**Session VI: Functional Colorants - II**
	Prof Olivier Siri, *Director of Research CNRS, Aix-Marseille University, France*
	- Emerging zwitterionic dyes in quinoid chemistry
	Prof Graca Neves, *University of Aveiro, Portugal*
	- Porphyrinoids: Synthesis and their role in medical and environmental remediation applications
1550-1610	*Tea Break*
1600-1740	**Session VII: Process Intensification**
	Prof Lakshmi Kantam, *Institute of Chemical Technology, Mumbai*
	- (Title be finalized)
	Dr Nandkumar Chodankar, *Founding Promoter, ASolution Pharmaceuticals, Ambarnath*
	- Chemistry - Engineering convergence
1750-1820	**Concluding Session**

The Dyes & Pigments Manufacturers Association of India

The Dyes & Pigments Manufacturers Association of India (DPMAI), established in 1950 (as The Dyestuffs Manufacturers Association of India - DMAI), is the Apex Body representing Dyes, Pigments, Optical Brighteners and Dye Intermediates manufacturers from all over the country, covering all sectors of the Colorants industry – MSMEs to multinationals. DPMAI regularly takes up various issues of concern to the Colorants industry with the concerned Government agencies. Department of Chemicals and Petrochemicals (DCP), Ministry of Chemicals and Fertilizers, Government of India seeks DPMAI opinion in framing policies concerning Colorants industry. Since 1991, DPMAI has been regularly submitting a 10 year Action Plan to the Government for achieving goals, set for the Colorants industry.

DPMAI feels proud that Indian Colorants industry has emerged as a major player in the world with a global market share of about 17%. The actual export performance exceeded the targets set in the first two 10 year Action Plans. DPMAI honors its members with annual awards for their excellence in various fields, felicitates students of Dyestuff Technology from ICT, conducts Seminars, arranges and hosts overseas Trade delegations and organizes conferences to bring Colorant makers and its diverse users on a common platform to understand the present and future needs and deliberate on available products, future trends and developments. For the convenience of end users, DPMAI with the support of DCP, Ministry of Chemicals and Fertilizers, Government of India, had organized such three conferences on "Textiles: Business & Environment Sustainability – Challenges for the Colorants Industry" in 2013 in Coimbatore and in 2016 and 2022 in Ludhiana.

Over the years, DPMAI & China Dyestuff Industry Association (CDIA) have established close links. Besides holding regular interactions, and active participation in China Inter Dye Exhibition every year; the first Inter Dye Asia (an international exhibition) was jointly and successfully held in December 2011 in Ahmedabad. DPMAI & CDIA jointly established Asia Dyestuff Industry Federation (ADIF) in 2018 with a view to assisting in accelerating the development of Asian Colorant industry. Globally recognized as the Apex association for the Indian Colorants industry, DPMAI is regularly invited for participation and presentations in prestigious events such as ITMA and International Congress of International Federation of Associations of Textile Chemists and Colourists (IFATCC).

To address the needs of the Colorants industry at a business platform bringing together related stake holders, buyers and sellers from India and abroad with focused emphasis on textiles (India being now viewed as a global sourcing hub for all of types of textiles); Colour Publications, along with DPMAI have stared organizing Expos (ChromaTexChem) in Mumbai, the commercial capital of India and one of the leading centers for textile industry. The 1st EXPO was conducted successfully on 14th & 15th November 2019, and the 2nd edition, jointly with The Gujarat Dyestuffs Manufacturers Association (GDMA), was held on 13th & 14th October 2022.

Starting in 2005; the International Convention on Colorants (COC), jointly conducted by DPMAI and Department of Speciality Chemicals Technology, ICT with support from DCP, Ministry of Chemicals and Fertilizers, has become a very successful biennial event. Appreciating the continuous need for innovation in technology, and to enable the industry to benefit from the latest worldwide developments in the field, 9th international Convention on Colorants 2023 (COC23) is being organized on 2nd & 3rd March 2023 in Mumbai.

Department of Speciality Chemicals Technology

Department of Speciality Chemicals Technology (earlier Dyestuff Technology) was established in 1944 under the stewardship of Prof. K. Venkataraman, the then director of Institute of Chemical Technology (ICT, formerly known as UDCT), University of Mumbai. Under the successive leadership of highly experienced, talented and hard-working scientists and scholars such as Professors B. D. Tilak, S. V. Sunthankar, S. Seshadri, D. W. Rangnekar, V R Kanetkar and P.M. Bhate the department has trained more than 1000 undergraduate students and over 500 postgraduate students.

The department of Specialty Chemicals Technology has recently built its new state-of-the art laboratory building with the courtesy of Colourtex Industries Pvt Ltd. The two storeyed facility with a total area of 8200 sq. ft. consists of the Research laboratory, Process Intensification Laboratory, Analytical laboratory and Instrumentation Laboratory, for undergraduate and postgraduate students; thus, building a strong sense of industrial working culture in them. The laboratory is equipped with all the modern instrumentation.

The Department is a unique centre of learning that offers an advanced curriculum in tune with the latest industrial and academic developments. Not only has it produced a new generation of talented technologists and bright researchers, it has also led to an effective industry-academia relationship. The B. Tech course in Dyestuff Technology emphasizes the chemistry, technology and engineering of organic intermediates and colorants. The student leaves the Institute equipped with a working knowledge of laboratory synthesis, scaling up skills, key manufacturing processes and analytical techniques. The faculty members are associated with prestigious national and international academies as Fellows.

Prof. K. Venkataraman did pioneering work in synthetic dyestuff chemistry, natural colorants, structural elucidation and spectral studies. His volumes on "The Chemistry of Synthetic Dyes" are still widely read and treated as the bible for dyestuff chemists and technologists worldwide. These have been translated into more than 14 languages. Prof. B. D. Tilak worked extensively in the field of anthraquinone and naphthaquinone vat dyes, and on azide chemistry. Prof. S. V. Sunthankar investigated the chemistry of steroids, pesticides and silicon compounds in addition to dyestuff chemistry. The contribution of Prof. S. Seshadri to the Vielsmeier-Haack reaction and coumarin chemistry is very well recognized. Prof. D. W. Rangnekar published widely in the area of heterocyclic chemistry and was instrumental in initiating BRNS-BARC sponsored projects on the synthesis of laser dyes and solid state lasers. These projects, which became vital for the country post Pokhran-II, were successfully executed and completed by Prof. V. R. Kanetkar.

The Department currently engages on niche areas of research like fluorescent dyes for sensing and sensitizers for DSSC besides the high-performance textile colorants and DFT computations, design and synthesis of graphene derivatives and their applications; energy storage materials, flame retardants, bio-probes, waste stream treatment, advanced catalysts, semiconductor materials, anticancer materials, sensors and surfactants, macro molecule synthesis, Green processes for intermediates, dyes, and specialty chemicals, fragrance molecules, agrochemical synthesis, bioactive molecules and functional colorants. The outstanding research work (reported over 1000 publications) carried out by these stalwarts has created a permanent impact on dyestuff and allied industries, globally and locally.

Contact Details

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