Vol. 13
Issue 38

For Private Circulation Only

June 2024

HORIZONS

ISCMA Elected New Managing Committee 2023 -2025

L-R (Standing)- Mr. Vinit Patel, Mr. Hardik Sampat, Mr. J. B. Purohit, Dr. Sanjay Sahu, Mr. Harshad Shah, Mr. Umasankar Mahapatra, Mr. Sanjay Nawander, Mr. Gunjan Yajnik
L-R (Seating)- Mr. Pradeep Kundalia, Mr. Vinay D Patil, Dr. Kishore Shah, Mr. Yashwant Jhaveri (ISCMA President)

CONTENTS

EDITORIAL BOARD
Vedika R Shah
Shri. J. B. Purohit
Shri. Gunjan J. Yajnik

INDIAN SPECIALITY CHEMICAL MANUFACTURERS' ASSOCIATION


Since 2011
EC FRIENDLY
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Green Chemistry
Manufacturer of Textile Auxiliaries
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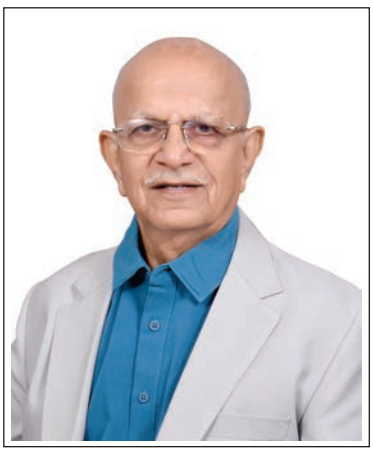
Tel.: +91-022-26111333 / 26123333,

From The President's Desk



"The Human desires are as infinite as the Sky."

My founders were visionaries and my predecessors were hard workers, who left me a legacy to be proud of. I always think of ISCMA that it has achieved so much and it can achieve much more.

Dear Friends, I am thankful to you all and in specific PP Dr. Kishore Shah and IPP Mr.Vinay Patil for their support to make me President of this esteemed association.

I have the pleasure to place before you our HORIZONS- Newsletter and would like to inform you of the activities and participation done by our association from the start of my Presidency since 31st October 2023 until today.

We have held three Managing Committee meetings and held many events such as, Diwali Get-together at Matunga Gymkhana, RSPCDC Industry "Skill Meet Presentation" at our office, Human Resource Management Skills from "Bhagwat Geeta", Certificate distribution at ITI Ambernath , Start of second Batch of ITI Ambernath Training and Meeting with Indo- German Chamber of Commerce. We also had a very interesting Seminar held by us on Contract Manufacturing "Outsourcing".

Further we were invited for the Inauguration Ceremony of esteemed Global Chem Expo and Chem Expo.

A stable political landscape with favorable push to the Speciality chemical manufacturing sector has put India on the priority list in developed economies.

Geopolitical disturbances in the Red Sea and Panama Canal have had their own impact on supplies and prices of various Raw Materials. Despite these challenges, the overall outlook is positive for the Indian chemical manufacturing sector. Revival in domestic demand and surging exports is expected to boost domestic manufacturing.

Indian Speciality chemical manufacturers should focus on upgrading their infrastructure for better and modern facilities to meet with all environment, health and safety norms.

Recent advancement in the semiconductor industry coupled with new project announcements and government PLI schemes are providing substantial boost to the demand of electronic chemicals in India. Currently countries like Taiwan, Japan and South Korea have a monopoly in this sector. Indian Government has already started working with more institutes including Shop floor training. Producing ultra-pure electronic chemicals from industrial grade material is a complex process to ensure pure material to be used in electronics in this age of Artificial Intelligence (AI) and demand for such specialty chemical will increase.

I thank all the members and readers for their constant support and look forward to the continued work of ISCMA.

Thanking You.

Shri. Yashwant Jhaveri
President, ISCMA

INDIAN SPECIALITY CHEMICAL MANUFACTURERS' ASSOCIATION

PAST PRESIDENTS OF THE ASSOCIATION

1.	Shri N. R. Soman		
2.	Shri S. M. Mistry		
3.	Shri M. D. Dhamankar	-	1974-1975
4.	Shri D. M. Neterwala	-	1976-1978
5.	Shri B. S. Malvi	-	1979-1980
6.	Shri. R. Hormazdiyar	-	1981-1982
7.	Shri S. Sivashankar	-	1982-1983
8.	Shri C. I. Bhuva	-	1983-1987
9.	Shri S. K. Parekh	-	1988-1990
10.	Shri L. N. Gandhi	-	1990-1992
11.	Ms S. F. Vakil	-	1992-1994
12.	Shri S. M. Kelkar	-	1994-1996
13.	Shri C. V. Somaiya	-	1996-1997
14.	Shri Narendra R. Mehta	-	1997-2000
15.	Shri N. K. Parekh	-	2000-2002
16.	Shri M. B. Malvi	-	2002-2004
17.	Shri Narendra R. Mehta	-	2004-2007
18.	Dr. Kishore M. Shah	-	2007-2012
19.	Shri Deepak Bhimani	-	2012-2016
20.	Shri Kashi C. Murarka	-	2016-2018
21.	Shri Vinay D. Patil	-	2018-2023

Managing Committee Members for the year 2023- 2025

Shri. Yashwant Jhaveri
President

Shri. Vinay D. Patil
Imm. Past President

Shri. Umasankar Mahapatra
1st Vice President

Shri. Rajive Shah
2nd Vice President

Shri. Vinit Patel
Hon. Treasurer

Dr. Subhash Udeshi
Committee Member

Shri. Gunjan Yagnik
Committee Member

Shri. Sanjay Nawander
Committee Member

Shri. Hardik Sampat
Committee Member

Dr. Sanjay Sahu
Committee Member

Shri. P. M. Kundalia
Committee Member

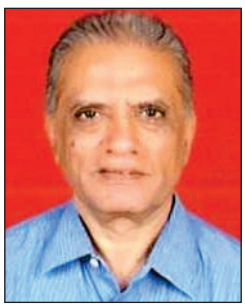
Co-opted Members

Shri. Kashiprasad C. Murarka
Past President (2016-2018)

Shri. Deepak V. Bhimani
Past President (2012-2016)

Dr. Kishore M. Shah
Past President (2007-2012)

Invitees



Shri. J.B.Purohit, Member

Shri. Harshad Shah, Member

ISCMA Participated in ChemExpo India in April 2023

Inauguration Ceremony

Interaction with visitors at ISCMA stall

ISCMA Members visited the stall

ISCMA organized Interactive session on “Leadership for Businessmen based on Geeta” by Mr. Vinay Patrale on 15th June 2023.

ISCMA President Mr. Vinay Patil presents trophy to Mr. Vinay Patrale

Mr. Vinay Patrale delivering the concepts on Leadership for Businessmen based on “Geeta”

ISCMA Members participated in the session

ISCMA Members interacting in the session

ISCMA organized Interactive session on "Role of Ethics in Business" by Prof. M. D. Teli on 25th August 2023

ISCMA President Mr. Vinay Patil presents trophy to Prof. M. D. Teli

Prof. M.D. Teli sharing his concepts

Workshop on Pranic Healing held at ISCMA Office on 29th September 2023

Sunil Agrawal
Sunil.ag6@gmail.com

Pranic healing is a part of alternative therapies, a method of energy healing. It was founded and promoted by Philippino Grand Master Choa Kok Sui in the 1980s. He compiled and synthesized the knowledge of the Chinese, Indian Rishis ('wise, saint'), Taoists and Tibetan monks and designed a practical system of scientifically documented healing called Pranic Healing. The word **Pranic** was originated from a Sanskrit word **'Prana'** which means **life force**. Prana is called **'chi'** in China and **'ki'** in Japan.

Life force (Prana) simply means energy. All matters in the universe are made up of energy. It is not just about our physical body. Even, our thoughts and feelings are also energy which can be measured through proper instruments. Even relationships, the amount of money you earn are all basically just energy patterns. But only a few of people can generally realize that and use their knowledge to help others. The emotional & relationship problems are deep rooted aspects which affects physical body.

Master Choa Kok Sui researched and practiced Pranic Healing for almost 22 yrs and made Pranic Healing a process like a scientific experiment. He established The Institute for Inner Studies, in 1987 and The World Pranic Healing Foundation, in 1990 - decided to teach this practice and spread it and make it available to everyone. He extensively travelled to spread Pranic Healing into the whole world and set up local organizations under parent organization. Now it's being practiced in more than 120 countries.

PH does not replace the western medicines; it does complement and the results are seen consistently. PH has achieved healing in cases of cancer, arthritis, migraines, chronic stress, and gastritis, among other diseases.

Pranic healing requires **no physical touch and no medicines** and the distance also does not matter. Pranic healing is a three-step process in which it accelerates the body's inner healing ability to heal at all levels **like physical, mental, emotional and spiritual**. The procedure for healing with understanding and sensing of energy are practiced in 2 days courses.

Meditation on Twin Hearts is also an integral part of the PH system. This is an advanced meditation technique for achieving peace and illumination. 21 minutes meditation is practiced while sitting on chair. It is one of the most effective technique for uplifting physical, mental and emotional health; enhance relationships, harmony, spiritual development and positive life transformation.

Twin hearts refer to Heart and Crown chakras. The heart chakra is the center for emotional or human love, and crown chakra is the entry point to higher spiritual consciousness. The practitioner first activates the heart chakra and then crown center by blessing the earth with loving kindness. When crown center is highly developed, one experiences Divine Love and Oneness with all. With regular practice of Twin Heart, the chakras and aura will increase in size, energy body becomes dynamic, more loving and people tend to have magnetic personalities.

We also make all participants feel the energy that flows between individuals which enhances our communication, empathy, interpersonal relationships and teamwork with collaboration skills. This, in turn, lead to a more cohesive and effective team & harmonious work environment. Therefore, **Pranic healing is holistic in nature**.

It has **cured various aliments from like fever, diabetes, knee pain, arthritis, spondylitis, asthma, migraine, blood pressure, kidney stone, thyroid etc. It also extends to psychological aliments like work stress, depression, anxiety, fear etc.** Its applications have shown miraculous results **in relationship healing, enhancing kids' focus as well as concentration levels, solving business issues and tackles various kinds of addictions too**.

There are testimonials of the patients who have been cured completely solely by this therapy. One can learn Pranic Healing to heal their ailments or get them treated from other healers.

Pranic Healing awareness session for two- three hrs was conducted at “Indian Specialty Chemical Manufacturers' Association” office at Shivaji Park, Dadar Mumbai on 29.03.23. Mrs **Amini Nair** a great healer and Senior Instructor for last 25 yrs and **Sunil Agrawal** (self) also an advance healer and Instructor conducted the session along with other healers **Mrs Sneha Rane and Mrs Reena**.

Pranic Healing concepts were explained and a practical session was conducted to make all feel and sense energy in their hands. A few of the people were healed in practical session with miraculous healing with pain or giddiness relief.

The Basic Pranic Healing Course is an intensive, power packed 2 days course that introduces the fascinating world of energy healing. In the course all participants learn & practice the skills to harness energy, regain vitality in the areas where there is a health problem and improve overall health and well-being by using our hands. We learn and practice the working with our aura, 11 Major Chakras and their physical correspondence. We also learn scanning by own hand to find energetic imbalances and effectively utilize to heal. This course is being attended by professionals, students, home makers, teachers, lawyers, doctors, nurses, massage or other therapists and persons from every field.

It was also explained that these sessions could also be beneficial in each associated companies and can be conducted at convenient place for each organisation including Introductory session for each individual company. We also discussed to conduct a workshop of 2 days each starting from Basic then Advance and Psychotherapy to deal with emotional and chronic ailments.

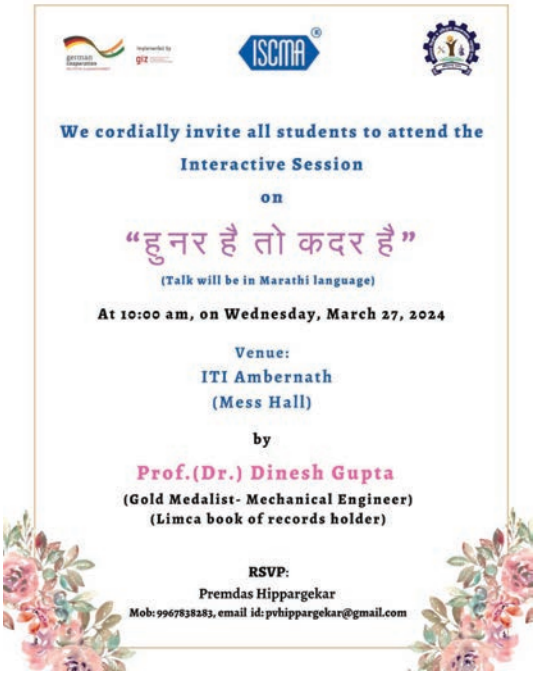
Just to summarize the key benefits of Pranic Healing:

1. Stress Reduction by managing and resilience to stress
2. Improved Productivity by enhancing focus & motivation
3. Enhanced Energy levels by balancing and increasing the body's energy levels throughout the day by using powerful breathing techniques & other quick methods.
4. Team work & conflict resolution by promoting understanding, empathy, emotional balance, group healing workshops and supportive work environment
5. Personal Development by improving self-esteem, develop greater self-awareness, reduced criticism & gossiping about anyone
6. Cost effective and powerful technique to get behavioural and mental well being technology apart from physical & emotional health.
7. Reduce absenteeism in work force due to improved overall health and immunity level among employees.

In brief, Pranic healing aligns with your values of promoting holistic well-being in any organisation/ association. This would enhance the effectivity, productivity, wellness, and teamwork in the organisation.

Wish the “Indian Specialty Chemical Manufacturers' Association” a great successful journey towards wellness and enhanced effectivity in the organisation/ association. Together, we would create a workplace that nurtures both personal and professional development.

ISCMA organized Motivational Speech by Prof. (Dr.) Dinesh Gupta at ITI Ambernath for ITI Students



We cordially invite all students to attend the
Interactive Session
on
"हुनर है तो कदर है"
(Talk will be in Marathi language)
At 10:00 am, on Wednesday, March 27, 2024
Venue:
ITI Ambernath
(Mess Hall)
by
Prof.(Dr.) Dinesh Gupta
(Gold Medalist- Mechanical Engineer)
(Limca book of records holder)
RSVP:
Premdas Hippargekar
Mob: 9967838283, email id: pvhippargekar@gmail.com

Dr. Dinesh Gupta delivering his motivational speech to ITI students

ITI students, faculty and invited guests attending the session on 27.03.2024

ITI Ambernath 1st batch “Chemical Effluent Treatment Plant Operator” training held from October 2023 to December 2023 and 2nd batch training January 2024 to March 2024

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DEUTSCHE ZUSAMMENARBEIT

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RCPSDC
Rubber, Chemical & Petrochemical Skill Development Council

Training Program

On

Chemical Effluent Treatment Plant Operator

Conducted by

Indian Speciality Chemical Manufacturers' Association

Supported by

Deutsche Gasellschaft für Internationale Zusamnenarbeit (GIZ) German Development Cooperation

In Coordination with

Directorate Vocational Education and Training

and

Rubber Chemical and Petrochemical Skill Development Council

Common Effluent Treatment Plant visit Dombivali

Classroom training by Mr. Premdas Hippegekar

Students at the training

Certificate Distribution to 1st batch "Chemical Effluent Treatment Plant Operator" training students at ITI Ambernath held on 9th January 2024

Mr. Tarun Mhaske handing over certificate to ITI students

Mr. Tarun Mhaske welcoming Mr. Mahesh Jadhav (Principal ITI Ambernath)

ISCMA Elected New Managing Committee Members on 31st October 2023.

New Committee of ISCMA is as follows: -

1) Shri. Yashwant Jhaveri – President
2) Shri. Vinay Patil – Immediate past president
3) Shri. Umasankar Mahapatra – 1st Vice President
4) Shri. Rajive Shah – 2nd Vice president
5) Shri. Vinit Patel – Hon. Treasurer

Committee members

1) Dr. Subhash Udeshi - Committee member
2) Shri. Gunjan Yagnik – Committee member
3) Shri. Sanjay Nawander - Committee member
4) Shri. Hardik Sampat - Committee member
5) Dr. Sanjay Sahu - Committee member
6) Shri. P. M. Kundalia - Committee member

Following past presidents are Co-opted members on Managing Committee

1) Dr. Kishore M Shah
2) Shri. Deepak Bhimani
3) Shri. Kashiprasad Murarka

Invited Members

1) Shri. J. B. Purohit
2) Shri. Harshad Shah

Congratualtions to Mr. Yashwant Jhaveri for taking over charge as ISCMA President

Mr Vinit Patel welcomes new President Mr. Yashwant Jhaveri

Mr. Rajive Shah welcomes Mr. Kashiprasad Murarka

Mr. Yashwant Jhaveri addressing new MC members after taking charge

ISCMA Diwali Get-Together held at Matunga Gymkhana on 23rd November 2023

Left to Right: Harshad Shah, Yashwant Jhaveri, Vinay Patil, J. B. Purohit, P.M Kundalia

ISCMA Members

Live Performance by Ms. Aditti Sheth

ISCMA Members

ISCMA Committee Members

Members enjoying the Diwali Get-together

ISCMA President Mr. Yashwant Jhaveri welcomes Dr. Rossitza Krueger

RCPSDC Industry Skill Meet Presentation held at ISCMA office on 24th November 2023

Mr. Saif Mohammad(CEO-RCPSDC) & Suchita Roy visited ISCMA Office.

ISCMA Participated in Global ChemExpo in December 2023


ISCMA
INDIAN SPECIALITY
ISCMA (Indian Speciality Chemicals dedicated


ISCMA
Speciality Chemicals Industry.
medium,
serves the following objectives:


iff
PROBIOTICS
Micronutrien

ISCMA organized Interactive session on “Human Resource Management Skills from “Bhagwat Geeta” by Mr.Vinay Patrale on 21st December 2023

ISCMA President Mr. Yashwant Jhaveri welcomes Mr. Vinay Patrale

The captivated audience

Mr Vinay Patrale explaining the concept on Human Resource Management Skills

ITI Ambernath 2nd batch “Chemical Effluent Treatment Plant Operator” training held from January 2024 to March 2024

Classroom Training by Mr. Premdas Hippegekar

Students attending the training

ETP Practical Training at Godrej Industries

Certificate Distribution to 2nd batch “Chemical Effluent Treatment Plant Operator” training students at ITI Ambernath held on 30th April 2024

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Certificate

This is to certify that

Mr. ABHIJIT BHASKAR SHELAVALE S/o BHASKAR

has successfully cleared the assessment for the role of

Chemical Effluent Treatment Plant Operator (RSC/Q7102)

conforming to National Skill Qualifications Framework Level-4

RCPSDC
Rubber, Chemical & Petrochemical Skill Development Council

Vinod Patkotwar
Chairman,
Rubber, Chemical & Petrochemical Skill Development Council

ISCMA®

Date of Issuance: 08-Apr-2024
SID Number:RCPSDC2024CED01

ISCMA Members Meeting with Indo-German Chamber of Commerce on 30th Jan 2024 at Taj President

L-R- Ms. Virushi Shah, Mr. Hardik Sampat, Mr. Umsankar Mahapatra, Dr. Sanjay Sahu, Mr. Shilp Kumar, Mr. Yashwant Jhaveri, Mr. Vinay Patil, Mr. Abhay Udeshi, Mr. Rajive Shah, Mr. Viejay Bhatia, Mr. Deepak Bhimani, Mr. Vivek Shah, Mr. Sanjay Nawander

Advantage India Chemical Conclave 2024 Inauguration Event at Hotel Kohinoor Continental, Mumbai on 23 Feb. 2024

Mr. Yashwant Jhaveri Inaugurated the event of Advantage India Chemical Conclave 2024

L-R- Mr. Vinay Patil, Mr. Sivaramakrishnan, Ms. Kiran Raheja (MAZDA Publication), Mr. Yashwant Jhaveri, Mr. Umasankar Mahapatra, Mr. Harshad Shah

Meeting with British High Commission at Jio World on 26th Feb 2024

Mr. Mohamed Badran- (Project Head Indo German Programme for Green Skills- GIZ) visited ISCMA office

ISCMA organized Interactive session on Contract Manufacturing “Outsourcing” by Dr. Hemant S Joglekar on 21st March 2024.

ISCMA President Mr. Yashwant Jhaveri welcomes Dr. Hemant Joglekar

Dr. Hemant Joglekar explaining the concept of Contract Manufacturing

Brief note about Dr Hemant S Joglekar

Dr Hemant S Joglekar is a technologist, management consultant, mentor and coach. He completed his PhD in 1989 from UDCT (now known as ICT) under the guidance of Padma Bhushan Prof J B Joshi. He worked with Asian Paints Limited for 30 years in different areas such as; Technology, Manufacturing, Central Quality and Contract Manufacturing. He is also a certified Six Sigma Black Belt trainer. He is also specialized in coaching for Soft Skills Development and GMP- Good Manufacturing Practices as a Supply Chain Expert. He retired in October 2020 as Country Head- contract manufacturing from Asian Paints Limited as a Senior Manager. He is based out of Mumbai.

He is actively associated as a visiting faculty for MBA students at XIMR, Mumbai so also teach B.A.R.C. and U.D.C.T (ICT) PhD scholars. He is Academic Council member of Kirti College (Autonomous), Dadar.

He is Dr K H Gharda Endowment Chair Professor of Entrepreneurship as well as course coordinator at U.D.C.T. (ICT) for a two-year MBA degree course in Innovation, Entrepreneurship and Venture Development. He is an Advisor and Mentor for many industries and start-ups.

He is actively working with an NGO- Marathi Vidnyan Parishad (MVP) as a member of the Managing Committee and Standing Committee.

He is actively involved in working for another NGO- Garje Marathi Global (GMG, USA) as a Mentor, trainer for various cohorts and start-ups. He is listed in 'Who's Who' by American Biographical Institute (ABI). He is invited by various universities as an examiner for conducting Viva Voce exam of PhD and MTech students.

He has attended many international seminars and conferences and holds internationally published research papers in various research journals. Besides academic and professional rigor, he enjoys travel and tourism and engaging in social causes to create scientific temper in Bharat (INDIA).

Synopsis of Session on Contract Manufacturing:

In today's competitive and VUCA world, the survival of not the fittest but the one who accepts change and flow with the current is needed. The pressures on profit margins and top and bottom line so also sustaining the market share continues to be a challenge.

In view of that, many MNCs, FMCGs are focusing on Outsourcing through Contract Manufacturing thus reducing book value and tapping geographical market demands.

This session will enable us to understand the success mantra of how Asian Paints like organization continues to grow with a win-win approach with their Processing Partners. The checks and Controls and best of the review systems can be heard by the one who used to practice it with healthy relationships.

ISCMA Participated in ChemExpo April -2024

ISCMA President Mr. Yashwant Jhaveri visited ISCMA Stall


To make representation with Govt authorities or bodies on any matter affecting the specia
industry
members
nferences, exhibitions, semin
and other informa


To promote bette ce to members, information on safety, environment, sustainab
initiatives under tured of self-regulation
To recognize se promotion of speciality chemical ind
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Providi
es, exhibitions, seminars
and other informatio


dian Speciality Chemicals Industry.
Indian Speciality Chemicals dedicated to the growth of
e association members consists of large, medium, small scale, traders and technocrats.
CMA Broadly serves the following objectives:
The association promotes and safeguards the interest of the speciality chemical industry
To make representation with Govt authorities or bodies on any matter affecting the speciality chemicals trade and industry
ISCMA Events
Mr. Mohamed Badran (Project Head Indo German Programme for Green Skills- GIZ) interact with Chemical Effluent Training Operator students at ITI Ambernath on 6th Feb 2024


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Inaugration of Dr. Kishore Manilal Shah Self Vision Centre

By Vedika Shah

Dr. Kishore Manilal Shah Self Vision Centre by Sauradip Chemical Industries Pvt Ltd inaugurated at Ramnarain Ruia Autonomous College on Saturday 13th April, 2024.

Shri. Nadir Godrej, Chairman & Managing Director Godrej Industries, was a Chief Guest and Shri. Sandeep Kokane, Executive Vice president, R&D, JSW Paints was a guest of honour. Adv. S.K. Jain, Chairman S. P. Mandali specially came from Pune to attend the function. Principal Dr. Anushree Lokur took a lot of pain to complete the renovation of the centre in record time.

Shri. Nadir Godrej praised the work of Dr. Kishore Shah for starting the self-vision centre. Self-Vision Centre was first started in 2003. Due to this vision centre, visually challenged students live better lives and they get good jobs. The centre is equipped with all the latest equipment's. For the convenience of visually challenged students in 2008, "CHHAYA KISHORE SHAH" Brailee library was started with an audio facility. Shri. Sandeep Kokane highlighted other charities of Dr. Kishore Shah who gave large contribution for education, Health care etc. He is actually very impressed with the facility of the vision centre.

Dr. Kishore Shah told 1000 students graduated from this vision centre. Prof. Anushree Lokur said this is the 1st Vision centre of Maharashtra. There is a heavy rush for admission. She also told Dr. Kishore Shah is moderating the centre every year.

She thanked Dr. Kishore Shah for his generous donation.

Dr. Kishore Shah, Chairman Sauradip Chemical Industries Pvt Ltd with Shri. Nadir Godrej, Chairman, Godrej Industries, Shri. Sandeep Kokane, Executive Vice president, R&D, JSW Paints and Adv. S. K. Jain, Chairman-S. P. Mandali Inaugurating the Vision Centre at Ruia College, Matunga.

Dr. Kishore Shah lightnings the lamp with Shri. Nadir Godrej, Adv. S. K. Jain, Shri. Sandeep Kokane along with Prod. Dr. Anushree Lokur for inauguration of Self vision centre at the Ruia College, Matunga.

Visually Challenged Students of Ruia college explaining the instruments to the guests at Ruia college, Matunga

Dr. Kishore Shah addressing the gathering at Ruia College Self vision center inauguration function

Shri. Nadir Godrej Addressing the gathering at Ruia College Self vision center inauguration function.

Dr. Anushree Lokur, Principal, Ruia college giving memento to Dr. Kishore Shah on the occasion of Inauguration of Self Vision center. Adv. S. K. Jain standing nearby.

Crowd at Ruia Self vision center inauguration function

Sauradip Chemical Industries Visiting Fellowship Lecture at Institute of Chemical Technology

By Vedika R. Shah

The lecture was arranged on 02nd April, 2024 at ICT, Mumbai. welcoming the participants, Dr. N. N. Mahapatra (Business Head – Dyes), Shree Pushkar Chemicals and Fertilizers Ltd, Prof. A. B. Pandit thanked Dr. Kishore Shah Chairman for introducing Fellowship Lecture series for Surface Coating Dyestuff Technology and Textile processing.

Dr. Kishore Shah with Prof. A. B. Pandit, Vice Chancellor of ICT Lightning the Lamp at ICT in Sauradip Chemical Industries Pvt Ltd Visiting Fellowship lecture function in presence of other dignitaries.

Dr. Kishore Shah addressing the gathering for Visiting Fellowship Lecture at Institute of Chemical Technology

Dr. Kishore Shah Speaking on the occasion said that they have introduced this fellowship lecture series, wherein every year eminent persons from industry would give a lecture with an aim of having interaction between industry and academia.

Prof. A. B. Pandit, Vice Chancellor, ICT honouring Dr. Kishore Shah,Chairman, Sauradip Chemical Industries Pvt Ltd by giving Flower Bouquet.

Shri. Jaideep Shah, Director, Sauradip Chemical Industries Pvt Ltd giving Vote of Thanks

Mr. Rajive Shah Managing Director, Sauradip Chemical Industries Pvt Ltd spoke on the trust of developing "Sustainable Products for a greener planet "as the core of Sauradip philosophy.

Jaideep Shah Executive Director, Sauradip Chemical Industries Pvt Ltd spoke on having positive attitude is important in life. Offering World class service to customers should be at heart of every company and how world class companies strive to achieve the same.

Prof. A. B. Pandit – Vice Chancellor of ICT introduced the Chief guest Dr. N. N. Mahapatra, Business Head – Dyes, Shree Pushkar Chemicals and Fertilisers Ltd. Prof. A. B. Pandit praised Dr.

Kishore Shah for Generous donation for renovation of Polymer and Surface Coating Post Graduate and undergraduate Laboratories.

Dr. N. N. Mahapatra presented the lecture on "Future of Dyes and Dyeing Techniques"

Numerous Chinese factories that produce synthetic dyes for the textile industry got shut down for environmental inspections starting last summer. In the wake of those closures, new dyeing methods for textiles are emerging that could help save water, reduce pollutants, save energy, and protect human health.

Prof. A. B. Pandit, Vice Chancellor, ICT giving Memento to Dr. N. N. Mahapatra, Business Head (Dyes), Shree Pushkar Chemicals and Fertilizers Ltd

Work is going on how textile industry suppliers can change the process that results in effluent containing high concentrations of dyes and chemicals like chromium, arsenic, copper, and zinc.

Dr. N. N. Mahapatra, Business Head (Dyes), Shree Pushkar Chemical and Fertilizers Ltd addressing the gathering.

Shri. Rajive Shah, Managing Director, Sauradip Chemical Industries Pvt Ltd addressing the gathering

The focus in research and development (R&D) is now more and more set on new sustainable products and processes which provide assurance that the recommended products do comply with legal, voluntary and brand & retailer restricted substance list (RSL) requirements.

The biggest challenge is cost. Price competition is fierce, and profits are shrinking thanks to volatile raw material costs and rising wages. Despite public commitments by apparel brands to

Prof. A. B. Pandit, Vice Chancellor, ICT honouring Dr. N. N. Mahapatra, Business Head (Dyes), Shree Pushkar Chemical and Fertilizers Ltd by giving Flower Bouquet.

From Left Shri. Rajive Shah, Managing Director, Sauradip Chemical Industries Pvt Ltd, Prof. A.B. Pandit, Vice Chancellor- ICT, Dr. Kishore Shah, Chairman, Sauradip Chemical Industries Pvt Ltd, Dr. N. N. Mahapatra, Business Head (Dyes), Shree Pushkar Chemicals and Fertilizers Ltd, Shri. Radhakrishnan, Shri. Jaideep Shah, Director, Sauradip Chemical Industries Pvt Ltd, Shri. Vinay D. Patil, Managing Director of S. A. Pharma Chem.

Crowd at the function of ICT visiting fellowship lecture

become more sustainable, suppliers contacted by C&EN say their customers will not buy anything that could raise the cost of a finished garment by as little as a penny.

Given that competitive landscape, here are emerging approaches with the following highlights:

New Dyes

Shree Pushkar Chemicals and Fertilisers Ltd ,Mumbai, introduced Dyecol ESR series of reactive dyes a line of polyreactive dyes for cotton that readily bond to fibre, in contrast to the conventional reactive dyes. Dyecol ESR dyes use tri-functional chemical reactivity that provides a high reaction and fixation rate with cellulosic fibre, leaving very little unfixed dye to be removed. This dramatically reduces water and energy usage by up to 50 percent, and uses up to 20 percent less salt.

Dyes manufacturing company Shree Pushkar created Dyecol ESR, a line of dyes for cotton that readily bonds to the fibre. This, the company says, requires one-quarter to one-third less water and one-third less energy than traditional dyes.

Shree Pushkar Chemicals and Fertilisers Ltd, Mumbai have introduced salt free Reactive Dyes in the name of DYECOL SS series and DYECOL DR series. They are pure dyes with super strength. Add less dyes and get more depth. They have also launched PCA free Blacks (PCA is non detectable on 10 % dyed black fabric) In the powder form Dyecol Blacks also have PCA less than 100 ppm. Recently they have launched a jet black in the name of DYECOL BLACK DR which is widely accepted globally.

Cotton pre-treatment

Cotton requires more water than other textiles for dyeing. About 200 litres of water are required to produce 1kg of fabric. Dow has developed a pre-treatment process called ECOFAST Pure that is applied before the dyeing process to produce cationic cotton. The pre-treated cotton acquires a permanent positive charge, enabling it to have a higher affinity for negatively charged molecules such as dyes. This patented technology decreases the use of dye and water by 50 percent for cotton dyeing. ColorZen has innovated a technology for pre-treatment of raw cotton fibers using a solution comprising a wetting agent, caustic soda, and an ammonium salt. This pre-treated cotton exhibits increased ability to retain the dye without the need of fixation chemicals, thus reducing the usage of toxic chemicals by 95 percent and water wastage by 90 percent.

ColorZen developed a cotton pre-treatment step that allows raw cotton fiber to get treated right from the field. The company's technical director told that this process speeds up the dyeing process while using 90% less water, 75% less energy, and 90% fewer auxiliary chemicals. It also cuts out almost half the dye compared with processes that call for salts in the dye bath.

Supercritical CO2 dyeing

This result in new dyes which are, for instance, free of halogens and heavy metals in new chemical structures with very high exhaust and fixation values. This permits best available technology (BAT) dyeing processes and textile products which are compliant with today's

ecological and technical requirements. By using such ecologically-driven product innovations, customers can reduce the environmental impact of their production processes by saving chemicals, water and energy.

One example with the potential to become a game-changer in the industry is supercritical CO2 dyeing. This is a new technology for sustainable dyeing without water, and no effluents. The availability of water and related input/output costs are forecast to become increasingly critical for many textile-producing countries. Compared to standard aqueous dyeing methods, the supercritical carbon dioxide process leads to strongly reduced water and energy consumption and a shorter dyeing time. In the case of polyester, high dye fixation and good levelness can be achieved without disperse dye formulating agents or dyeing auxiliaries. The carbon dioxide used in the process has the advantage of being non-toxic compared, for example, to solvent dyeing methods, and can also be recycled to a very high degree.

Due to these attractive green credentials, the process has been adopted by leading retailers such as Nike and Adidas for key segments of their product ranges and promotional activities. A number of bulk machinery installations are in regular operation, DyeCoo being one leading manufacturer in this area. Currently, the technology is being established for package and beam dyeing, but it is expected that this will be developed further. There is also intensive research work ongoing for its application to a wider range of substrates.

Pre-reducing indigo

University of California researchers are developing denim dyes using genetically modified E.coli bacteria to produce indican, which can then be turned into indigo by an enzymatic treatment. This new process removes the need for harsh chemical reducing agents for indigo dye solubilization, replacing it with an enzyme. However, the process still needs optimization in the recovery of indican for its sustainability.

With improved resources, environmentally-compliant dyestuffs and a solid foundation of textile Industry expertise, Internet-based tools are developed for product selection and sustainable process optimisation. Moreover, pre-reduced indigo liquid allows a cleaner denim production and shows a massive positive impact on resource efficiency such as substantial reduction of the sodium hydrosulphite usage, much cleaner wastewater and less water usage. Also, fast and reliable online determination of the important dyeing bath parameters like indigo concentration, reducing agent concentration, pH value, red-ox potential, temperature and electrolyte concentration help to optimise the dyeing process and save valuable resources.

“Synthetic indigo, used to make blue jeans blue, is an example of a dye that can release unreacted chemicals downstream of manufacturing. In response, color chemical company Archroma developed a technology for pre-reducing indigo to prevent the chemical aniline from getting through as a contaminant.

Engineered microbes

Colorifix employs a synthetic biological approach by using bacteria to color the textiles, which can reduce the use of water by up to 10 times. The innovative steps in this process are to fix the dye-producing bacteria directly onto the fabric using a carbon source solution, followed by deposition and fixation of the dye onto fabrics with a single heating cycle by the lysis of the microorganisms. This technology doesn't require a dye extraction process, which uses organic solvents, or fixing and reducing agents containing organic compounds.

Several startups are working on engineering microbes to reduce the use of chemicals in textile dyes. UK-based Colorfix, for example, is piloting a process where genetically modified microbes produce stable colors.

Digital textile printing

“The major portion of water used for textile dyeing comes after dyeing, when fabrics, particularly cotton, have to be washed over and over again to remove unfixed dye. Instead, manufacturers can skip dyes and use pigments. Intech Digital, for instance, makes large-scale printers that use special versions of ink-jet print heads designed to work with textile inks.
During the last five years, the digital printing market has developed significantly. Innovations in the digital printer and print head technology created new demands for inks and driven the transformation into an upscale industrial digital printing production. The growth of the digital textile printing application technology is another significant step towards a more sustainable textile printing production.

New inks must meet the new requirements of digital textile printing companies. They need tighter drop forming performance, longer open times, improved stress resistance, higher colour strength, improved robustness and, of course, reliable eco-performance and high fastness properties. In response to the new industry standards, DyStar launched Jettex 4.0 - high performing digital textile printing inks. Meanwhile, new ranges of ultraintense inks show print head life time enhancing performance and user-friendly open times for the print heads, with excellent robustness in processing. With a wide colour range of vivid, brilliant colours they are the perfect inks to create powerful fashion. All newly-launched black inks are passing current limits and meet the most stringent ecological and fastness requirements.

Thus far, none of the digital printing systems could fulfill the very high fastness requirements on inks in the home textiles segment. Some of these requirements include very high fastness to light (especially in pale shades), high fastness to multiple washing, and fastness to rubbing. DyStar has developed Jettex Vat, the first industrialised high performance vat inks on the market, based on Indanthren Vat dyes.
Powder dyes from textile fibres:

Officina+39, an Italy based company, developed the sustainable dye range Recycrom using recycled clothing, fiber material, and textile scraps. It developed a sophisticated eight-step system (patent pending) in which all the fabric fibers are crystalized into an extremely fine powder that can be used as a pigment dye for fabrics and garments made of cotton, wool, nylon, or any natural fiber. Recycrom can be applied to the fabrics using various methods such as exhaustion dyeing, dipping, spraying, screen printing, and coating. Recycrom is applied as a suspension while most dyes are used as a chemical solution and hence can be easily filtered from water, thus reducing the environmental impact.

Hybrid pigments

Eco foot has developed hybrid pigments composed of a dye chemically linked to a polymer particle that reacts with cellulose fibres at temperatures as low as 25ºC. This technology doesn't require the use of salt, which otherwise is crucial to drive the dye into the fabric. This technology can be applied for dyeing cotton garments at low temperatures and also to wool in a more ecological process. Eco foot-Indigo, a hybrid pigment used in dyeing denim, avoids using toxic reducing agents that are traditionally used in converting indigo pigment to a water soluble form. Common reducing agents are considered environmentally unfavorable, as the sulphite and sulphate generated in the dye bath can cause various problems when discharged into the wastewater.

Ecofoot also developed auxiliaries to prevent hydrolysis of the dye in the dyeing process, which typically requires harsh washing-off procedures to remove the hydrolysed dye. Together with hybrid pigments and auxiliaries, more than 50 percent of water in the intermediate and final rinses can be saved in the total process of preparation and dyeing.

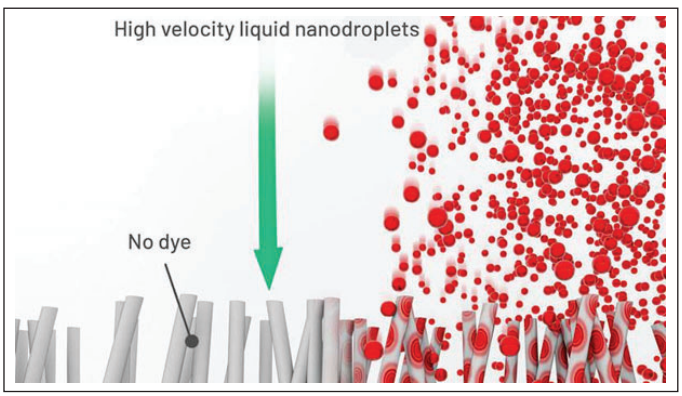
Besides these dyeing methods, other solutions are coming to the fore. Even the best pretreatment process can't eliminate the health effects of the dyes and the chemicals used to make them. That's the focus of many of the textile industry's eco-certification programs. Oeko-Tex certification for certifying nontoxic textiles now looks at more than 300 chemicals up from 100 initially.

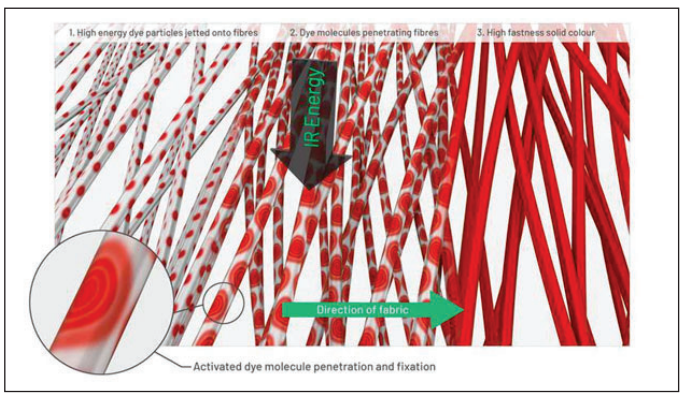
Denim makers in particular have long been under pressure to change their processes. Earlier this year, Levi's detailed a operating model pilot called Project Future-Led Execution that cuts chemicals from the finishing process and shortens the time to market. Dutch denim-maker G-Star Raw also took a hard look at their supply chain and launched what they call “the most sustainable jeans ever.”

Precision digital liquid application

Alchemie's proprietary digital liquid application technology delivers fluid nanodroplets deep into textile fabrics.

A combination of high fluid droplet velocity and precisely controlled airflow enables full penetration of fluid droplets into dense fibre structures.





Liquid application is precisely controlled, achieving dose accuracy < +-1% within the three-dimensional fabric structure.

Activated dye penetration

The Endeavour dyeing process utilises thermal and infra-red energy to activate dye penetration and drive chemical fixation processes.

The unique combination of highly dispersed colourants and targeted energy application, helps drive fixation processes to completion.

Energy accelerates dye diffusion and reaction, enabling high ultimate colour fastness to be achieved.

One-step fabric coloration

The Endeavour process delivers ultimate colourfastness in one step, which eliminates the need for downstream washing.

A digitally controlled end-to-process combining precision digital fluid application and activated dye penetration.

The Endeavour digital dyeing process achieves excellent colour consistency, colour fastness and fabric handle.

Congratulations

Congratulations to Mr. Umasankar Mahapatra to be honoured by FICCI

Congratulations

MoU signed with Honorary council of Romania in Mumbai on 31st May 2023 at Oberoi Nariman Point.

L-R Mr. Bogdan Hossu (President), Mr. Vinay Patil, Mr. Umasankar Mahapatra, Mr. Sandeep Chokani

Congratulations

Rubber, Chemical & Petrochemical Skill Development Council (RCPSDC) appointed Mr. Vinay D Patil (Immediate Past President) as a member of Governor Council for the
FY. 2023-25

News

Confederation of Indian Industry (CII) appointed Mr. Vinay D Patil (Immediate Past President) as a member of National Committee "Waste to Worth" for the FY- 2024-25.

WELCOMES NEW MEMBERS

Reagens India Polymer Additives Pvt. Ltd.

Prof. A.B. Pandit

Vastani Chemicals Limited

Prof. (Dr) Mangesh Teli

Clearity Specialities LLP

Shiva Performance Materials Pvt. Ltd.

Chem-Mart

Amrit Polychem Pvt. Ltd.

Needs Information Services Limited

Goodwill Chemical Industries

Aimchem Ingredients Pvt. Ltd.

Chemiline Intermids India Pvt. Ltd.

Naksh Formaline Pvt. Ltd.

Research Dye Chem Pvt Ltd

Chemexcil Presentation on Indian Chemical Sector focus on Indian Specialty Chemicals

Abhay Udeshi
Chairman, Chemexcil

CONTENTS

- Brief Introduction
- Export Statistics
- USP- Indian Chemical Industry
- Indian Specialty Chemicals
- SWOT Analysis Indian Specialty Chemical Industry

Brief Introduction

- Basic Chemicals, Cosmetics & Dyes Export Promotion Council popularly known as **CHEMEXCIL** (www.chemexcil.in)
- Set-up by Ministry of Commerce & Industry, Government of India **in the year 1963** with headquarters at Mumbai
- **4-Product Panel groups** viz. Dyes and Dye Intermediates, Basic Organic, Inorganic Chemicals including Agrochemicals, Cosmetics, Soaps, Toiletries, Essential Oil, Specialty Chemicals, Castor Oil & its Derivatives, etc.
- Around **1100+ Chemical HS Codes** are covered by Chemexcil,
- Membership base of ~ **3000 across** PAN India.
- Assists members in **Identifying Potential Markets**,
- Highlighting Export Constraints and operational bottlenecks,
- Provide Publicity and marketing back up.,
- Disseminate trade enquiries & contacts,
- Undertake direct export promotion measures such as organizing trade delegations to various countries.
- Organize Export Awareness Program & seminars to educate members on new notifications of Customs, DGFT etc.
- Also assist foreign buyers to locates an appropriate supplier from India, Provides up to- date market information
- Organize Awareness programs in understanding and assist in compliance of global regulations like REACH, CBAM, etc

Indian Chemical Industry

1. The chemical industry is the backbone of India's industrial and agricultural development.
2. India's chemical sector, which is currently estimated to be worth US$ 220 billion in 2022 and is anticipated to grow to US$ 300 billion by 2025 and US$ 1 trillion by 2040.
3. Indian Chemical industry covers 80,000 chemicals.
4. The Indian chemicals sector contributes for 5-6 % of India's GDP.
5. India is the 6th Largest producer of Chemicals in the world and 3rd in Asia.
6. India ranks 14th in export and 8th in import of chemicals
7. Indian chemical industry employs more than 2 million people
8. 100% FDI is allowed in Indian Chemical Sector.
9. The top 3-States having chemical manufacturing facilities are Gujarat, Maharashtra and Tamil Nadu
10. India leads in Dyes production and contributes to 16%-18% to world's dyestuff exports.
11. India is 4th largest producer of agrochemicals in the world
12. 2nd largest exporter of a Agrochemicals in the world.
13. India has achieved No. 1 status in production of natural essential oils in global markets
14. India is the largest producer and exporter of castor oil in the world

Indian Chemical Exports

Value in USD Million

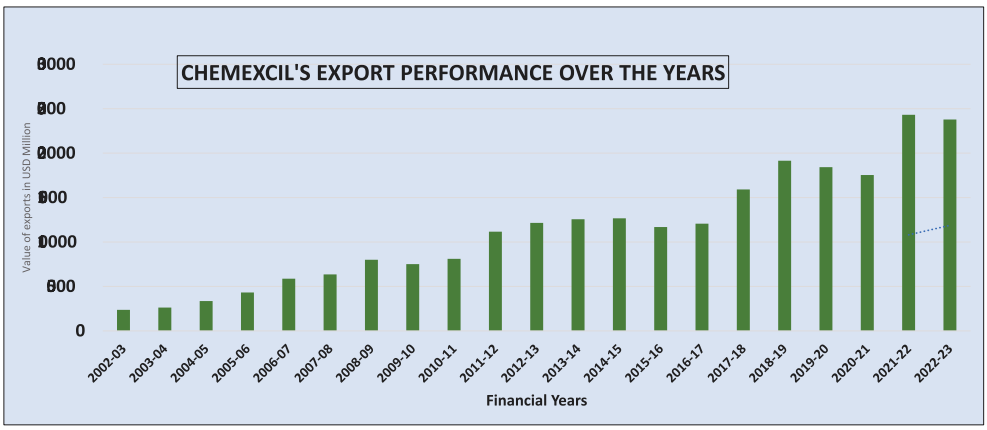
Chapter No./Panel	2020-21	2021-22	% Growth	2022-23	% Growth
(32) Dyes & (29) Dye Intermediates	**2491.45**	**3243.77**	**30.20**	**2606.30**	**-19.65**
(32) Dyes	2345.86	3078.62	**31.24**	2422.81	**-21.30**
(29) Dye Intermediates	145.58	165.15	**13.44**	183.49	**11.11**
(28) Inorganic, (29) Organic & (38) Agro Chemicals	**12271.44**	**17609.60**	**43.50**	**17194.58**	**-2.36**
(28) Inorganic Chemicals	1055.00	1766.59	**67.45**	2174.51	**23.09**
(29) Organic Chemicals	7636.74	10946.37	**43.34**	9640.83	**-11.93**
(38) Agro Chemicals	3579.69	4896.64	**36.79**	5379.25	**9.86**
(33) Cosmetics, (34) Toiletries & (33) Essential oils	**1852.92**	**2284.60**	**23.30**	**2714.60**	**18.82**
(33) Cosmetics, (34) Toiletries	1618.88	1973.96	**21.93**	2408.34	**22.01**
(33) Essential oils	234.04	310.64	**32.73**	306.27	**-1.41**
(15) Castor oil	**917.24**	**1175.50**	**28.16**	**1265.64**	**7.67**
Total	**17533.04**	**24313.47**	**38.67**	**23781.13**	**-2.19**
Source: DGCI&S					

Indian Chemical Imports

Value in USD Million

Chapter No./Panel	2020-21	2021-22	% Growth	2022-23	% Growth
(32) Dyes & (29) Dye Intermediates	**1081.89**	**1660.03**	**53.44**	**1541.43**	**-7.14**
(32) Dyes	270.69	384.13	**41.91**	314.88	**-18.03**
(29) Dye Intermediates	811.19	1275.90	**57.29**	1226.55	**-3.87**
(28) Inorganic, (29) Organic & (38) Agro Chemicals	**17254.82**	**26716.53**	**54.84**	**29589.14**	**10.75**
(28) Inorganic chemicals	4493.68	7148.33	**59.08**	9439.39	**32.05**
(29) Organic chemicals	11092.02	17771.45	**60.22**	18350.51	**3.26**
(38) Agro chemicals	1669.12	1796.75	**7.65**	1799.24	**0.14**
(33) Cosmetics, (34) Toiletries & (33) Essential oils	**1554.30**	**2375.41**	**52.83**	**2598.77**	**9.40**
(33) Cosmetics, (34) Toiletries	1391.00	2144.22	**54.15**	2356.23	**9.89**
(33) Essential oils	163.30	231.19	**41.58**	242.54	**4.91**
(15) Castor oil	**1.36**	**1.08**	**-20.42**	**1.62**	**49.45**
Total	**19892.37**	**30753.06**	**54.60**	**33730.97**	**9.68**
SOURCE:DGCI&S					

Indian Chemical Exports



Indian Specialty Chemical Exports

Sr. No.	Years	Exports Value in USD Million	% Growth
1	2018-19	221.37	
2	2019-20	413.69	86.88
3	2020-21	277.22	-32.99
4	2021-22	346.87	25.12
5	2022-23	370.66	6.86

Indian Specialty Chemical Industry

The Key Market Segments for Specialty Chemicals are

1. Agrochemicals
2. Flavors Ingredients
3. Fragrances Ingredients
4. Dyes and Pigments
5. Personal Care Active Ingredients
6. Water Treatment Chemicals
7. Construction Chemicals
8. Surfactants
9. Textile Chemicals
10. Bio-Based Chemicals
11. Polymer Additives
12. Paper & Pulp Chemicals
13. Bleaching & RCF Chemicals
14. Electronic Chemicals
15. Specialty Polymers
16. Pharmaceutical Ingredients
17. Others

9

Indian Specialty Chemical Industry

Specialty Chemical Industry Advantage India

- ✓ Lower Manpower is one of the most Competitive advantage to India
- ✓ The set up cost of Plant in India is much less as compared to other countries
- ✓ Most of the chemical manufacturing plants in India are ISO certified
- ✓ India has become increasingly popular as an offshore supply base for chemicals
- ✓ Most of MNCs are shifting their plants to India because of China sentiment
- ✓ India is an important base for API Manufacturing
- ✓ 100% FDI is allowed in Chemical Sector

Indian Specialty Chemical Industry

SWOT Analysis

STRENGTHS:

1. Rapidly growing domestic market driven by factors like rising urbanization, increasing disposable income and the expansion of downstream industries.
2. Availability of Cost-competitive labor
3. Various Government policy initiatives such as RODTEP Scheme which are WTO compliant introduced
4. Strong base of research and development institutions, universities, and private companies
5. The Indian specialty chemical industry is well-diversified, covering a wide range of product segments.

WEAKNESSES

1. Limited technology and innovation.
2. Stringent environmental regulations
3. Infrastructure bottlenecks
4. High dependence on imports
5. While the labor is cost-effective, but there is a gap in specialized skills required for advanced manufacturing processes and R&D activities.

Indian Specialty Chemical Industry

SWOT Analysis

OPPORTUNITIES

1. The growing demand for sustainable and eco-friendly products presents a significant opportunity for Indian specialty chemical companies to develop and manufacture green chemicals.
2. Free trade agreements with other countries can open up new markets for Indian specialty chemicals.
3. The government's focus on import substitution through initiatives like the "Make in India" (Atmanirbhar Bharat) program creates global opportunities for domestic players to cater to the growing demand.
4. Implementing digital technologies and automation can improve efficiency, reduce costs, and enhance product innovation.
5. The booming pharmaceutical and automotive industries in India will drive the demand for high-quality specialty chemicals.

THREATS

1. Competition from global players
2. Fluctuations in oil prices: The specialty chemical industry is heavily reliant on oil and gas derivatives as raw materials. Fluctuations in oil prices can impact the cost of production and profitability.
3. A global economic slowdown can lead to a decrease in demand for specialty chemicals, impacting the Indian industry.
4. Global Regulatory regimes on chemicals is increasing the compliance costs and limit market access for Indian companies.

INDIAN SPECIALITY CHEMICAL MANUFACTURERS' ASSOCIATION

ISCMA was founded in 1952
It is an all-India body representing manufactures of Indian Speciality Chemicals dedicated to the growth of the Industry.
The association members consists of large, medium, small scale, traders and technocrats.
Membership strength : 300

ISCMA Broadly serves the following objectives:

- The association promotes and safeguards the interest of the speciality chemical industry
- To make representation with Govt authorities or bodies on any matter affecting the speciality chemicals trade and industry
- To promote better service to members, information on safety, health, environment, sustainability, responsible care initiatives under the structure of self-regulation
- Exchange of views, knowledge and other related information amongst members promoting their co-operation
- Providing facilities for conferences, exhibitions, seminars, technical training relating to speciality chemicals
- To promote and preserve high standard of business integrity and principles
- To promote trade connected with speciality chemicals in India
- Co-ordinating with all other associations or bodies in India as well as other countries
- To extend and maintain international liaison

Mr. Abhay V. Udeshi aged 62 years is the Chairman of the Jayant Agro Group. Mr. Udeshi is a B.E. in Chemical Engineering, (MS University of Baroda, Gujarat) and has over three decades of experience in the Castor Oil Industry. He is an eminent speaker at various National as well as International forums. Mr. Udeshi has been the President of the International Castor Oil Association (ICOA), USA as also the Chairman of Sustainable Castor Association. He has also served as the Vice President of the Solvent Extractors Association of India.

He is presently the Chairman of Chemexcil (Export Promotion Council for Chemicals set-up under the Ministry of Commerce and Industry, Govt. of India).

His Company Jayant Agro has been Pioneer in Manufacturing and Export of Castor Oil and Castor based Derivatives and is one of leading exporter from India. He is the guiding force behind the Group's sustained and profitable growth.

VIMAL

ADDITIVES
- Antifoams (Mineral Oil / Organo Modified Siloxane / Polyether Siloxane)
- Antifriction additive
- Antiscratch Additive
- Anti Wear additive
- Castor Oil Oleate
- Dispersing Agent
- Extreme Pressure Additive
- Neutralizing Amine (AMP 95)
- Rheological Modifiers (Viscosity Builder)
- Surface Control Additive
- TBN booster / Overbased Calcium Sulphonate
- Wetting Agent (Organo Modified Siloxane / Gemini Surfactant)

AMINES


- Diethanolamine (DEA)
- Diethylenetriamine (DETA)
- Diphenyl Amine
- Ethylenediamine (EDA)
- Monoethanolamine (MEA)
- Triethanolamine (TEA) 99%
- Triethylenetetramine (TETA)
- Tetraethylenepentamine (TEPA)

ANTIOXIDANT
- Aminic
- Butylated Hydroxytoluene (BHT)

BIOCIDE


- BIT 20
- IPBC 30%
- CMIT-MIT
- Industrial Hygiene & Damaged Material (Quick Kill)
- Dry / Wet Film Preservative
- Methylene Bis Morpholine
- OIT45%
- Triazine 78.5%

CATIONIC REAGENT
- Ecofast Pure
- Quat 188 [N-(3-chloro-2-hydroxypropyl) trimethylammonium chloride]

CORROSION INHIBITOR
- Modified Fatty Acid Diethanolamide
- Modified Fatty Acid Monoethanolamide
- Phosphoric Acid Ester

COALESCENT AGENT
- Ucar Filmer IBT
- Ucar Filmer LV

FUNCTIONAL FINISH
- Water Repellent (Fluorocarbon Free)

ISOCYANATE
- Methylene Diphenyl Diisocyanate (MDI)
- Toluene Diisocyanate (TDI)

PIGMENT & FILLERS
- Barium Sulphate Precipitated
- Bayferrox / Bayoxide / Colortherm / IOX
- Carbon Black (ASTM & Specialty Black Pigment)
- Corax Series
- Inorganic Pigments
- Organic Pigments / Metallic & Fluorescent Pigments
- Printex Series / Colour Black (FW 200) /Special Black / Hi Black / Nerox / Lamp Black

POLYISOCYANATE
- Desmocap
- Desmodur L (Aromatic)
- Desmodur N/ BL (Aliphatic)
- Desmophen

SILANE
- Aminopropyltriethoxysilane
- Aminopropytrimethoxysilane
- Glycidoxypropyltrimethoxysilane
- Methyl Trimethoxy Silane
- Vinyltrimethoxysilane

MONOMERS


- Allyl Methacrylate (AMA)
- 1.4 - Butanediol Dimethacrylate (1.4 - BDDMA)
- Behenyl Methacrylate
- Behenyl Polyethylene Glycol Methacrylate (BEPEGMA)
- Butyl Acrylate (BA)
- Cyclo Hexyl Methacrylate (CHMA)
- Dimethylaminoethyl Methacrylate (DMAEMA)
- Dimethylamino Propyl Methacrylamide (DMAPMA)
- 2-Ethyl Hexyl Acrylate (2 EHA)
- Ethylene Glycol Dimethacrylate (EGDMA)
- Ethylhexyl Methacrylate (EHMA)
- Hydroxypropyl Acrylate (HPA)
- Hydroxypropyl Methacrylate (HPMA)
- 2-Hydroxyethyl Acrylate (2-HEA)
- 2-Hydroxyethyl Methacrylate (2HEMA)
- Isobornyl Acrylate (IBOA)
- Isobornyl Methacrylate (IBOMA)
- Iso Butyl Methacrylate (IBMA)
- Glacial Acrylic Acid (GAA)
- Glacial Methacrylic Acid (GMAA)
- Lauryl Methacrylate (LMA)
- Methacrylamide (MAAmide)
- Methyl Methacrylate (MMA)
- Methyl Polyethylene Glycol Methacrylate (MPEGMA)
- N-Butyl Methacrylate (NBMA)
- Stearyl Polyethylene Glycol Methacrylate (SPEGMA)
- Tert. Butyl Acrylate (TBA)
- Tert. Butyl Methacrylate (TBMA)
- Trimethylolpropane Trimethacrylate (TMPTMA)
- Ureido Methacrylate

SOLVENTS & INTERMEDIATES


- Benzaldehyde
- Benzyl Alcohol
- Benzyl Benzoate
- Benzyl Acetate
- Benzyl Chloride
- Cinnamic Aldehyde
- Dipropylene Glycol (DPG)
- Fatty Acid
- Ethyl Acetate
- Glycol Ethers E-Series (Butyl Cellosolve, Butyl Carbitol, Butyl Cellosolve Acetate, Hexyl Cellosolve, Propyl Cellosolve)
- Glycol Ethers P-Series (PM, DPM, PMA, PNB, DPNB, PNP, PPH, EPH, DPMA, TPM, DPNP, TPNB, PE)
- Nipar S 10
- Polypropylene Glycol (PPG)
- Propylene Glycol (PG)
- Tripropylene Glycol (TPG)
- Trimethylolpropane (TMP)

SOFTNERS


- Antiozonate
- Antistatic
- Cationic Softner
- Hydrophilic Silicone Fluid

SURFACTANTS
- Alpha Olefin Sulfonates (AOS)
- Ethoxylates (NP/OP/TDA/LA)
- 2 Ethyl Hexyl Sulphate (2EHS)
- Phosphated Ester/ Specialty Emulsifiers
- Sodium Lauryl Sulfate (SLS)
- Sodium Lauryl Ether Sulphate (SLES)

VIMAL

VIMAL AGENCIES
VIMAL LOGISTICS PVT. LTD.
VIMAL INTERTRADE PVT. LTD.
Vimal LIfeSciences Pvt. Ltd.

Regd. Office:
C-310 Shyamkamal, Agrawal Market, Vile Parle (East), Mumbai - 400 057. India. Phone: +91-22-4255 1100. **chemical@vimalagencies.net**

Sales & Marketing Office:
Shivam Centrium, Sahar Road, Koldongri, Next to NEXA Showroom, Andheri (East), Mumbai-69. Phone:+91-22-6288 4200

Warehouse:
Survey no. 260/1, 2, 3, 4, Gut No. 145/146A, Plot no. 1 to 4, Khupari Village, Off Bhiwandi-Wada Road, Wada, Kudus, Palghar, Maharashtra - 421 312.

www.vimalagencies.net

HEETU CHEMICALS & ALKALIES LIMITED

INDIA'S LEADING CHEMICAL DISTRIBUTION COMPANY

ABOUT US

Founded and incorporated in 1991 as a limited company, Heetu Chemicals & Alkalies Limited has evolved as one of the leading chemical distribution company in India. Over the last two decades the company has developed core strengths in chemical distribution.

OUR VISION

To become the foremost trusted Chemical Distribution Company in India, by ensuring the highest level of services, increasing the scope of our offering and optimizing the utilisation of resources. To provide our clients with the highest quality products.

HEETU CHEMICALS & ALKALIES LIMITED REPRESENTING

GACL – Promoting Green Technology
GNAL – Building Bonds
DOW
Olin
PLEXCHEM Technologies
MaTerra Solutions
ASN TECHNOLOGIES
Bio 百傲化学 Bio Chemical
Oilplus
UPL OpenAg™
THERMAX THERMAX LIMITED
MLA GROUP – RIGHT CHEMISTRY. RIGHT PEOPLE
midgold
Reliance Industries Limited – Growth is Life
JIAAN ADDITIVES PVT LTD

OUR STRATEGY

- Leading brands combining heritage and innovation with some of the most respected names in the industry
- Flexible and agile operating model
- Solution providers for our clients and developers for new products and value added services

WHY US ?

- **30+** years experience of working with **500+** client across industries in Indian and Global markets.
- Long Term sustained clients
- Successfully completed **5000+** installations by Heetu Group
- Provide tailor made solutions
- Key goal is client experience and satisfaction
- **ISO** Certified

WE OFFER

- Chloro Alkalies
- Aluminium Chlorides
- Chloro Methanes
- Biocides
- Silicone
- Solvents
- Amines
- Chloro Toluenes
- Glycol Ethers
- Phosphoric Acids
- Caustic Potash Group
- Hydrogen Peroxide Group
- Cement / Construction Chemicals
- Laundry Chemicals
- Specialty Chemicals
- Oil Field Chemicals
- Water Treatment Chemicals

Our range of offerings is constantly expanding.

305 & 405 - Konark Shram 3rd Floor, Behind Everest Building, Tardeo Main Road, Mumbai-400034 Maharashtra

+91 90760 20015

sales@heetu.co.in

www.heetu.co.in

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Vasu
CHEMICALS LLP

VALUE ADDED SERVICES UNLIMITED

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- Cooling Water
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- Effluent / Waste Water Treatment
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- Precleaning and Passivation
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CHLORINE DIOXIDE & DOSING SYSTEMS

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- Manual, Semi & Fully Automated Dosing Systems
- Chemicals
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