

igcw

2019
industrial green chemistry
world

Convention
&
Ecosystem

Accelerating Industrial
Sustainability
and Profitability
through Green Chemistry
& Green Engineering

industrial green chemistry

2025

2023

2021

igcw

2019

igcw

2017

igcw

2015

igcw

2013

igcw

2011

1950

2000

igcw

2009

6th IGCW-2019 Convention & Ecosystem

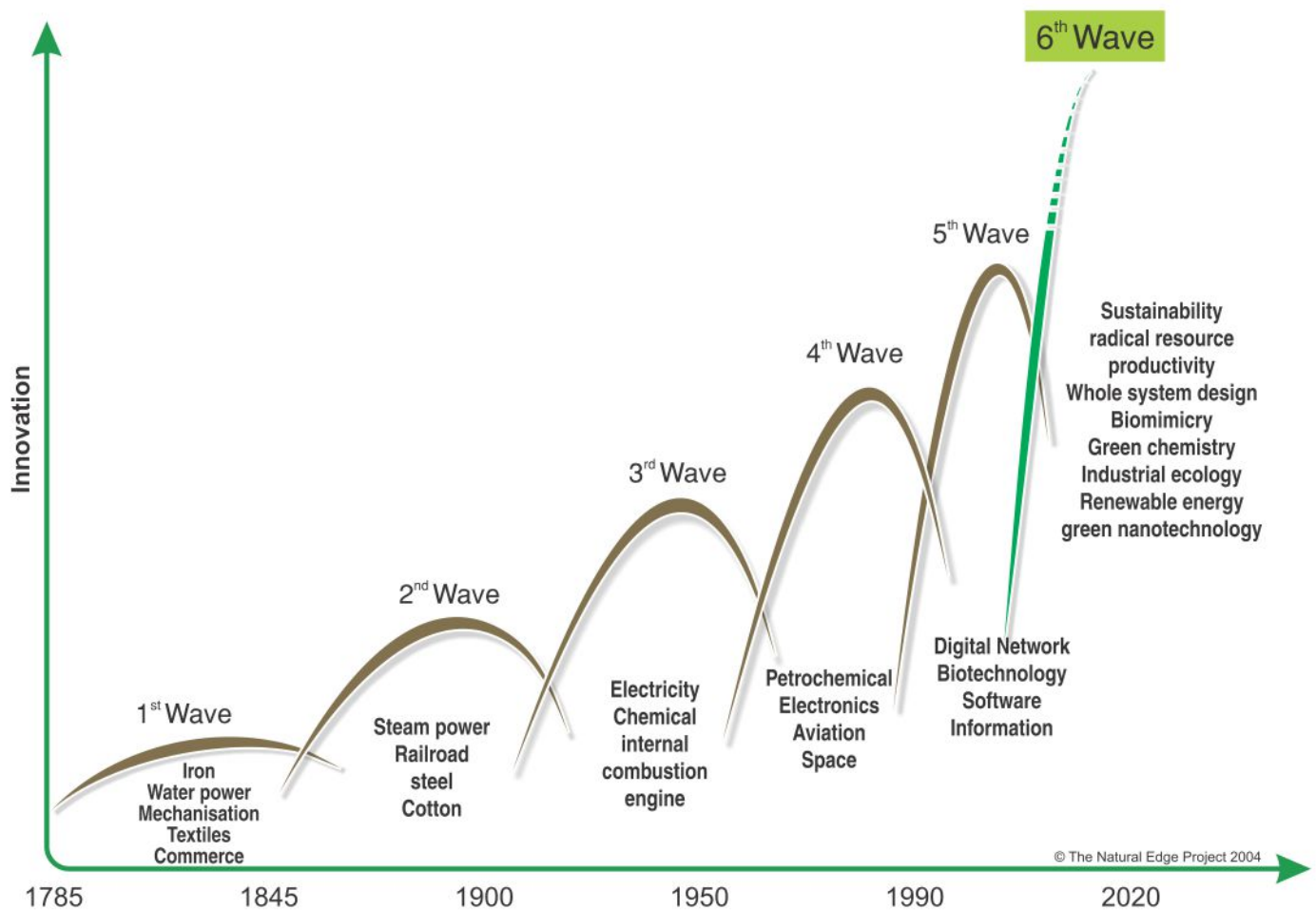
16th & 17th October, 2019

Venue: Victor Menezes Convention Centre (VMCC), IIT Bombay

Green Chemisree
Foundation

WAVES OF INNOVATION

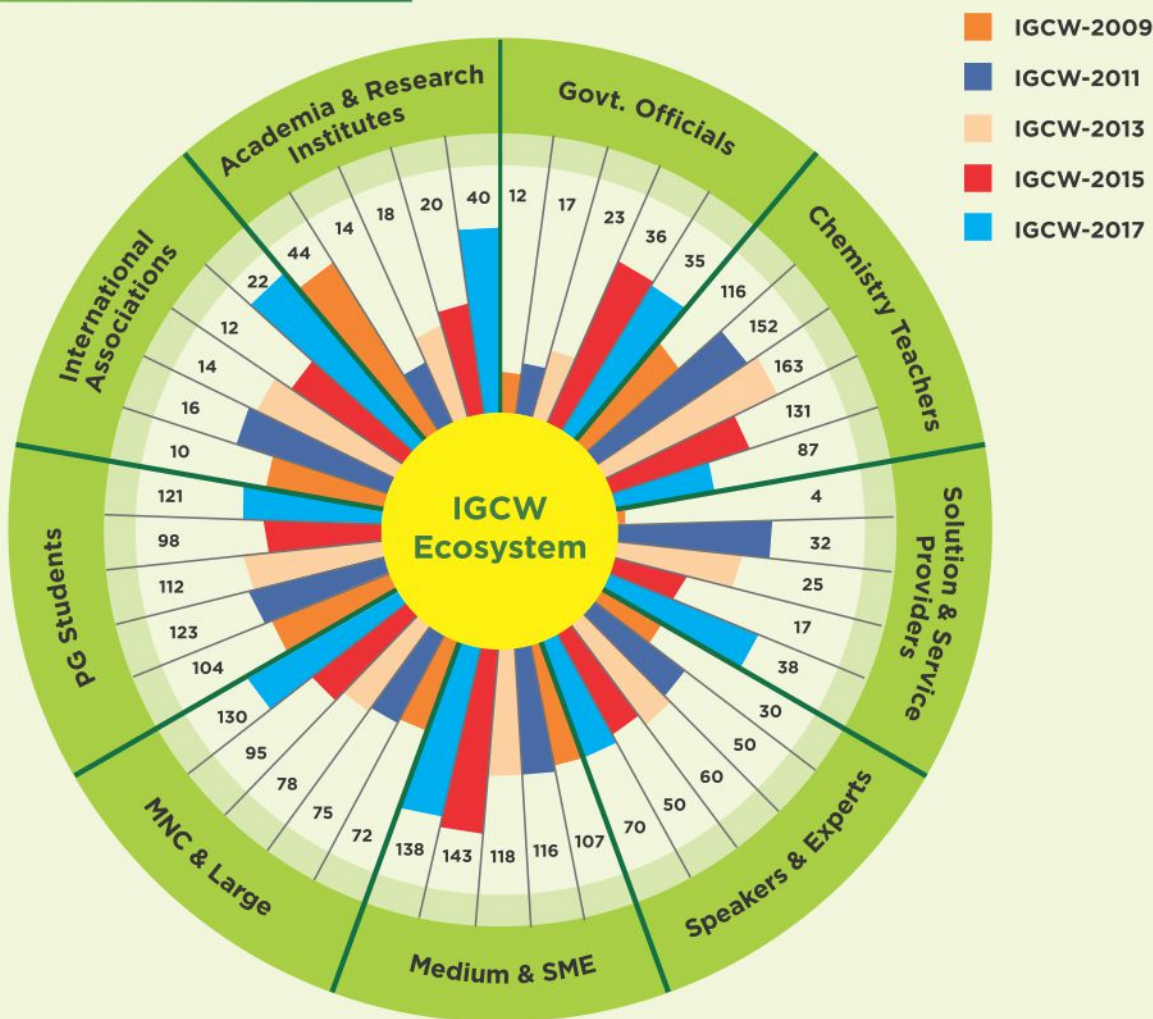
**21st Century's 6th Wave of Innovation -
Sustainability & Green Chemistry.**



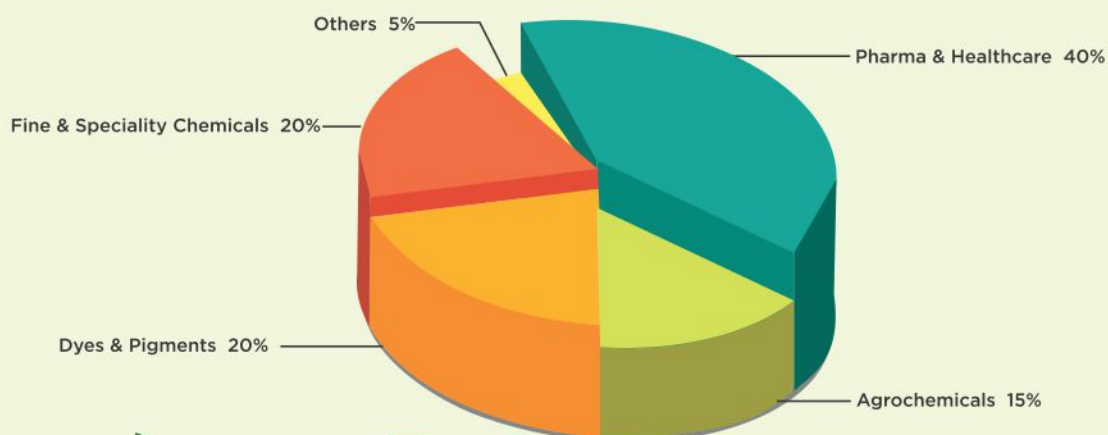
What is IGCW?

- India's first and only dedicated platform for the Chemical Industry to explore Green Chemistry & Green Engineering trends, technologies and opportunities.
- A context that goes beyond the theoretical understanding of 'Green' Chemistry.
- An attempt to bring forth technical know-how of Green Chemistry applications from the corridors of laboratories to the cauldrons of Industry.
- A platform to familiarize Green Chemistry not as a different genre, but as an integral way of doing chemical processes.

IGCW Ecosystem Since 2009



IGCW Sector-wise Industry Participation



IGCW-2017 Participants' Feedback

84%

Responded positively to the question "Did the IGCW ecosystem give you new ideas/possibilities to meet your Green Chemistry & Engineering requirements?"

88%

Attendees found the technical sessions highly engaging

92%

Attendees found the IGCW EXPO relevance & Interest

96%

Respondents positively conveyed interest to participate in future IGCW Conventions



Testimonials:



Prof. Paul Anastas

Father of Green Chemistry & Founder of the 12 Principles of Green Chemistry

"After attending the IGCW, realize that you are part of an international network of green chemists made of business people, government officials, academic scientists and public groups that are willing to work together for positive action. I am proud to be part of this global community and I am always equally proud to consider myself a strong supporter of the IGCW."



Dr. R. Rajagopal

CEO, KnowGenix, India

"The IGCW 2017 was yet another outstanding landmark since the inception of the event in 2009. Powered by creative, diligent and committed eco-conservers, the 2017 event raised the bar to a higher level of sustainability, narrative and can rightfully take its position as one among the few global transformational forums. IGCW also has become an acronym for Integrated Green and Connected World."



Dr. Swaminathan Sivaram

Bhatnagar Fellow & Former Director, NCL, India

"The IGCW Conferences have established a unique niche in bringing together key stakeholders of Green Chemistry in India and providing them a platform to share experiences and best practices. I

am sure in the years to come they will vastly strengthen the awareness of Green Chemistry and become a catalyst for change for the Chemical industry of India. My very good wishes for continued success."



Dr. S. Venkata Mohan

CSIR-IICT, India

"I would like to congratulate IGCW for taking up the excellent initiative to recognize the work going on in Green Chemistry domain from both academia and industry as well. I believe, this initiative will directly relate to the SDG goals and is crucial to promote sustainable community on the whole."



Dr. John Warner

Father of Green Chemistry & Founder of the 12 Principles of Green Chemistry

"It's very heartening for me to see how IGCW has evolved into a robust platform over the years; and personally it has been a great delight to be associated with this commitment and perseverance since its launch in 2009."



Dr. David Constable

Science Director, ACS - Green Chemistry Institute, USA

"I am particularly delighted to see how this Convention has grown and had such an increasingly positive impact over the past 10 years. The Convention provides a world-class platform for Green Chemistry leaders and enthusiasts to obtain invaluable information on new developments, propel research and development for sustainable Green Chemistry and engineering to establish meaningful collaborations and networks."



Mr. Rafael Cayuela

Chief Economist, The Dow Chemical Company, Switzerland

"I am very proud to be part of the IGCW Community and you are starting to become a tradition in my calendar! Great job! Our industry is going to be exposed to massive changes. India and Green Chemistry are going to be at the forefront!"



Mr. Michael Foldager

Senior Manager, Global Marketing & European Sales, Novozymes AS, Denmark.

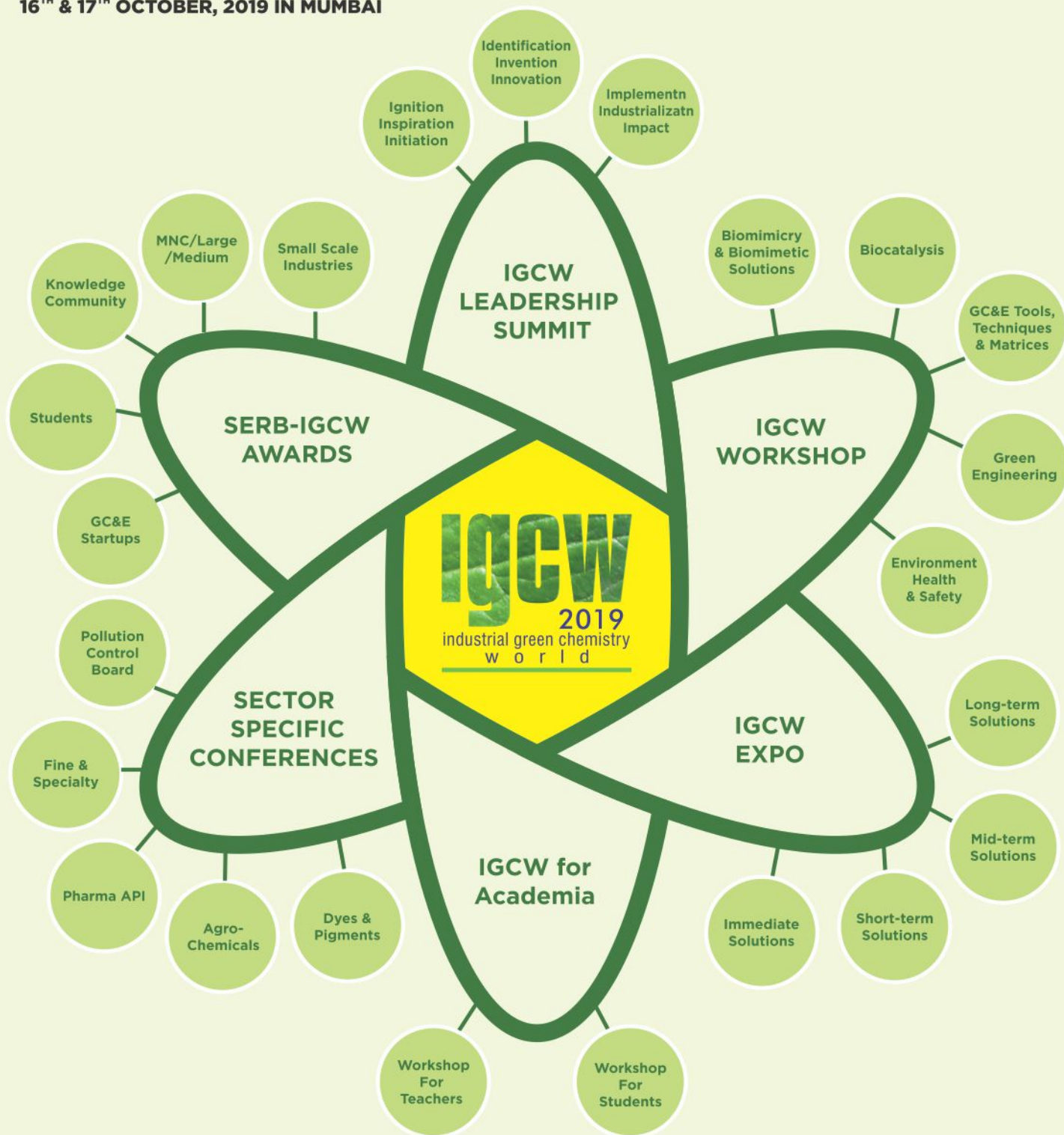
"I want to say you and the rest of your fantastic team a very big thank you for organizing the conference which was a great learning and networking platform - we were happy to be able to contribute! We look forward to continuing the collaboration in the future. All the best - and look forward to touching base again in next IGCW."

About 6th IGCW-2019

500+ INDUSTRY DELEGATES | **50+** GC&E SOLUTION PROVIDERS

40+ SPEAKERS | **12** SUBJECT-SPECIFIC EVENTS OVER TWO DAYS

16TH & 17TH OCTOBER, 2019 IN MUMBAI



Participation Capacities



Contribute as
Expert, Mentor, Speaker
Submit abstract for
case-study presentation



Showcase your GC&E
based Technology/Product/
Service solutions
Participate in IGCW 2019 Expo



Get your G&E initiatives
globally recognised
Submit your success case-study
for SERB-IGCW 2019 Awards



Expand your technical
understanding of the subject,
learn from industry peers,
align your company's
sustainability goals with GC&E
implementation strategies
Participate as a delegate



Convey your company's
commitment and
leadership in GC&E
implementation by
partnership with the
IGCW-2019 convention
Contribute as a sponsor & leverage
from branding opportunities

To know more about any of the above
Partnership/Participation opportunities,
write to
krishna.padia@industrialgreenchem.com
OR
connect@industrialgreenchem.com

Confirmed Speakers (as on 1st April, 2019)



Prof. Paul Anastas
Director, Yale University's Center for
Green Chemistry and Green
Engineering, USA;
Founder – 12 Principles of
Green Chemistry



Dr. John Warner
President, Chief Technology Officer,
The Warner Babcock Institute
for Green Chemistry, USA;
Co-founder – 12 Principles of
Green Chemistry



Dr. David Constable
Science Director, American Chemical
Society – Green Chemistry Institute
(ACS-GCI), USA



Dr. Dietmar Hueglin
Vice President
Advanced Materials & Systems
Research at BASF;
Head of the Innovation Campus
Mumbai, India



Dr. Johannes Benkhoff
Senior Vice President
Group Chemical Research,
Clariant Produkte (Deutschland)
GmbH



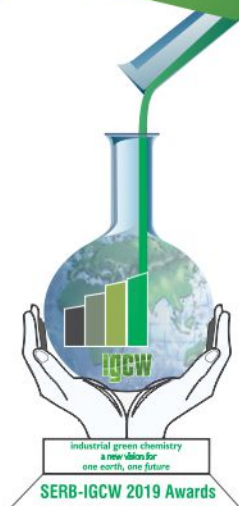
Ms. Bijal Mathkar
R&I Director, Solvay Research and
Innovation Center, India



Dr. Achala Danait
Vice President
Regional Innovation Center,
Clariant, India Ltd.



Mr. Nitesh Mehta
Convener IGCW, Co-founder & Director
Green ChemisTree Foundation, India



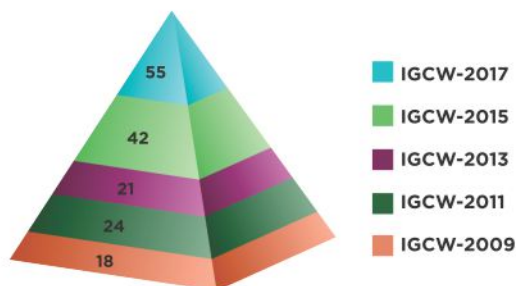
SERB-IGCW Awards



- SERB, Dept. of Science and Technology, Govt. of India, in collaboration with the Green ChemisTree Foundation will present the IGCW Awards under the prestigious title of SERB-IGCW 2019 Awards.
- The SERB-IGCW Awards acknowledges outstanding case-studies incorporating the principles of Green Chemistry into chemistry routes, chemical designs and manufacturing practices; and any initiative taken towards pollution-prevention at the source of its generation.
- The IGCW Awards, since 2009, has been recognising outstanding research initiatives and industrialization stories in the field of "Green Chemistry & Engineering" by industry and non-industry groups.
- The SERB-IGCW Awards are India's first and only dedicated platform recognising Green Chemistry initiatives in India.

Nomination Categories:

- ✓ MNC, Large and Medium Scale Companies
- ✓ Small-Scale Companies
- ✓ Green Chemistry Start-ups
- ✓ Knowledge Community
 - Technology Development firms: Tools, Software, Process technology equipment, Devices, Diagnostics etc.
 - Students
 - Guides/Researchers form Universities, Research Institutes



IGCW Award Entries



Dates to remember:

15 th June	Complete online submission
15 th September	Announcement of top 3 entries in each category
16 th October	Announcement of final winners during the SERB-IGCW 2019 Awards evening (6 th IGCW-2019 Convention)

Submission link
<http://www.industrialgreenchem.com/SERB.php>

www.IndustrialGreenChem.com

IGCW-2019 Expo



About IGCW Expo

- India's first & only EXPO showcasing Green Chemistry & Green Engineering solutions from across the world.
- Opportunity to harness Indian Chemical Industry's burgeoning Green Chemistry market.
- Visited by 500+ Senior decision makers from Industry, Academia, Research Institutes & Government bodies.

Immediate solution providers

- ✓ Recycle at the source
- ✓ Zero liquid discharge
- ✓ Green process simulation solutions
- ✓ Process intensification
- ✓ Innovative ETP solutions
- ✓ Education training and publications
- ✓ Green consultants and strategies
- ✓ Sustainable recycling solutions
- ✓ Waste-valorization

Short-term solution providers

- ✓ Solvent recovery solutions
- ✓ Biocatalysis
- ✓ Sustainable metal catalysts
- ✓ Green solvents
- ✓ Green additives (surfactants, chelates, etc.)
- ✓ Green reaction medium
- ✓ Innovative approach to COD and BOD reduction
- ✓ Green startups and SMEs
- ✓ Green analytical chemistry

Who Can Exhibit?

Mid-term solution providers

- ✓ Micro-reactor technology
- ✓ Flow chemistry
- ✓ Green engineering
- ✓ Supercritical extractions
- ✓ Ionic liquids
- ✓ Switchable solvents
- ✓ Solvent free process
- ✓ Green dyes, pigments and inks
- ✓ Lifecycle analysis
- ✓ Green metric implementation
- ✓ Solar energy and engineering solutions
- ✓ Green chemistry and intermediates
- ✓ Safer chemicals design
- ✓ Industrial ecology approach

Long-term solution providers

- ✓ Renewable feedstocks, biomass and materials
- ✓ Bio-based systems
- ✓ Microwave chemistry and engineering
- ✓ Green substrates
- ✓ Green tech/clean tech solutions
- ✓ Biotech/nano tech solutions
- ✓ Green synthesis route
- ✓ Biomimetic solutions
- ✓ Synthetic biology

Exhibition Fees

Premium Booth (4x2 sq.mt.)

INR 2,00,000 ++ /USD 3000*

Standard Booth (2x2 sq.mt.)

INR 1,25,000 ++ /USD 2000*

25% discount on above choices is allotted to Academia & Research institute.

*Fee in USD is for International Companies. ++ Taxes are applicable both to Indian and International companies.

Above Fees include:

- Listing of company logo & profile in convention catalogue and website (pre, during & post-event)
- Fabricated shell scheme booth/stall
- Fascia board with company name, floored carpet, 1 counter table, 2 chairs, 1 waste basket, 2 spotlights (100 watt each)
- 2 x complimentary delegate entry to attend full convention
- Participants list with contact information

To know more OR explore exhibition opportunities, write to
krishna.padia@industrialgreenchem.com
OR connect@industrialgreenchem.com

www.IndustrialGreenChem.com

Tentative Structure of 6th IGCW-2019 Convention & Ecosystem

Day I - 16th October, 2019 (Wednesday)

IGCW 2019 Events	Themes/Topics	Participants
Chemical Industry Leadership Summit	Industrial Sustainability through Green Chemistry & Green Engineering	CXOs (Management & Technology), Senior Officials from Govt. bodies, Key representatives from Industry Associations, Research Institutes, Academia & Media
SERB-IGCW 2019 Awards Evening		
Conference for Pollution Control Boards (PCBs)	Green Chemistry for Pollution Prevention at source of its generation	Central/State PCB Officials, Member Secretaries, Chief Environmental Engineers, Technical Advisors to PCBs, Representatives from International Environment Protection Agencies
ACS-GCI Workshop on GC&E Tools, Techniques & Metrics		Chief Representatives from R&D, Process/Technology Developers, Researchers, etc.
Workshop on Green Engineering	Flow Chemistry, Process Intensification, Energy & Water optimization, inherently safer process designing, advance separation processes, etc.	Chief Representatives from R&D, VP/Head Production, Process Engineers, etc.
Workshop on "Biomimicry" as a Green Chemistry Implementation Tool	Biomimetic Solutions, introduction to designing nature-inspired chemical-synthesis	R&I Director, Scientists, Researchers, Innovators, Head of R&D
IGCW 2019 EXPO on Green Chemistry & Engineering (GC&E) Solutions	Technology Showcase by Immediate, Short-term, Mid-term & Long-term Green Chemistry & Engineering Solution Providers	CXOs (Management & Technology), Technology Scouters, Head of R&D, Production, Process Developers, Head of Research Institutes, Consultants, etc. also all those seeking GC&E relevant solutions, technologies & services

Participation Fee: Rs. 10,000 + Taxes, for attending any one of the above event/Per day/Per Participant.

Events on 18th Oct. are free to attend on Invitation and prior Registration.

To know more about the above events, write to
connect@industrialgreenchem.com

www.IndustrialGreenChem.com

Tentative Structure of 6th IGCW-2019 Convention & Ecosystem

Day II - 17th October, 2019 (Thursday)

IGCW 2019 Events	Themes/Topics	Participants
Workshop on Environment Health & Safety (EHS)	Relevance of GC&E practices in meeting regulatory compliances and safety norms	Chief Sustainability Officers, Head of EHS, Environment Engineers, Plant and Production Managers, etc.
Workshop on Bio-catalysis for Accelerating Green Chemistry Processes	Classification of enzymes, Industrial enzymes vis-à-vis its applications, enzyme immobilization, enzyme engineering, biopharmaceuticals via biotransformation, synthetic biology, etc.	Chief representatives from R&D, Process/Technology Developers, Researchers (from Industry & Academia), etc.
Green Chemistry for: <ul style="list-style-type: none"> Pharma API Sector Agro-chemicals Sector Fine & Specialty Sector Dyes & Pigments Sector 	Emerging GC&E trends in respective sectors (local & global), success stories & case-studies, relevant solutions and technologies, collaborative models, etc.	Senior decision makers (Management & Technical) from respective sectors (Pharma API, Fine & Specialty, Dyes & Pigments, Agro-chemical manufacturing companies), Chief representatives from R&D, Plant & Production, Technology advisors & Consultants, Media, etc.
IGCW 2019 EXPO on Green Chemistry & Engineering (GC&E) Solutions	Technology Showcase by Immediate, Short-term, Mid-term & Long-term Green Chemistry & Engineering Solution Providers	CXOs (Management & Technology), Technology Scouters, Head of R&D, Production, Process Developers, Head of Research Institutes, Consultants, etc. also all those seeking GC&E relevant solutions, technologies & services

Day III - 18th October, 2019 (Friday)

IGCW Workshops for Teachers & Students	GC&E Resources - Guides, Tools & Metrics	Chemistry Teachers/Professors/Faculty, PG/PhD Students pursuing Chemistry, Chem. Engg. and allied subjects
Workshop on Green Chemistry & Engineering Entrepreneurship	Advancing Entrepreneurship and Start-up Initiatives in India for developing and implementing Sustainable Chemistries	Young entrepreneurs, start-up companies engaged in green and sustainable chemistry, Students/Researchers pursuing entrepreneurship

Participation Fee: Rs. 10,000 + Taxes, for attending any one of the above event/Per day/Per Participant.

Events on 18th Oct. are free to attend on Invitation and prior Registration.

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Past Partners & Supporters

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CSR Partner



SERB-IGCW Awards Evening Partner



Solvent/Reagent Selection Workshop Partner



Green Chemistry Partner



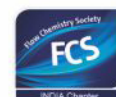
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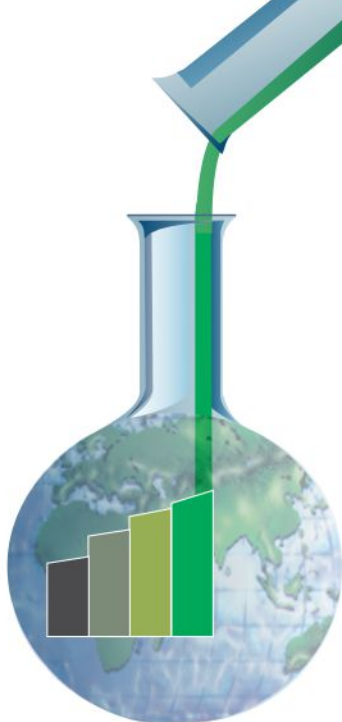


Session Partners



Media Partners

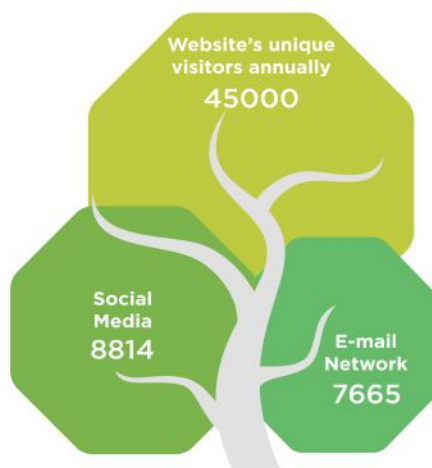




INDUSTRIAL GREEN CHEMISTRY, A NEW VISION FOR ONE EARTH, ONE FUTURE

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IGCW Reach-out as on 20th March, 2019

Organiser:



Green ChemisTree Foundation

C/o Newreka *GreenSynth*[™] Technologies Pvt. Ltd.
405, Mastermind IV, Nr. Royal Palms, Aarey Colony,
Goregaon (East), Mumbai - 400 065, India.

Tel.: +91 22 2879 1275 / 1835

Fax: +91 22 2879 4790

E-mail: connect@greenchemistree.co.in

Url: www.greenchemistree.co.in

www.IndustrialGreenChem.com