



BROCHURE



INDO-UK WORKSHOP on



Green Chemistry for Societal Needs: Healthcare, Pollution and Circular Economies

VENUE: HOTEL MAIDENS, NEW DELHI, INDIA

16th DEC-18th DEC 2019

Bringing together Early Career Researchers from the UK and India with an aim to promote research

In partnership with



Application Deadline: 20th Sept, 2019

INVITATION FOR WORKSHOP

Dear Colleagues,

Members of the Global Green Chemistry Centres network- “Green Chemistry Centre of Excellence (GCCE), University of York” and “Green Chemistry Network Centre (GCNC) University of Delhi” welcome you all to the **INDO-UK WORKSHOP on Green Chemistry for Societal Needs: Healthcare, Pollution and Circular Economies** being held between 16th December 2019 to 18th December 2019. This event is being hosted at Hotel Maidens, New Delhi, India with the specific aim of developing modes of collaboration in green and sustainable chemistry to tackle global grand challenges in bioenergy, climate and environmental impacts, food and water security, and health. The workshop will challenge researchers to transcend traditional scientific boundaries so that they become more aware of interdisciplinary needs that can translate to global needs. Long-term benefit and impact will be the creation of micro and macro-circular economies. Besides, early-career researchers will gain immediate benefit through mutual understanding of each other's expertise, needs and challenges.

Regards,



DR. AVTAR SINGH MATHARU
Deputy Director
GCCE, University of York



PROF. R. K. SHARMA
Co-ordinator
GCNC, University of Delhi

CHAIRPERSONS

2019



The New Networking



Promoting Sustainability



**Green
Chemistry**
Centre of Excellence



Green Chemistry
Network Centre

ABOUT US

GREEN CHEMISTRY CENTRE OF EXCELLENCE (GCCE) UNIVERSITY OF YORK

GCCE is an internationally-leading academic facility for pioneering pure and applied green and sustainable chemical research through its technology platforms on microwave chemistry, alternative solvents, clean synthesis and bio-based mesoporous materials. Facilities at GCCE allow to work from grams to kilograms with a strong emphasis on waste valorisation and cleaner technologies. The GCCE also provides high quality education and training programmes and develops strategic partnerships with global corporations and world-leading universities.

2019



GREEN CHEMISTRY NETWORK CENTRE, UNIVERSITY OF DELHI

Green Chemistry Network Centre established under the recommendation of World Leaders in Green Chemistry headed by Professor Paul Anastas (known as father of green chemistry) has been working for the popularization of green chemistry in India since inception. This centre has been actively involved in organizing several international conferences and workshops on crucial issues related to green chemistry.

For more details visit :
<http://greenchem.du.ac.in/>



ABOUT THIS CONFERENCE

CURRENT CHALLENGES & NEED FOR ORGANIZING THIS CONFERENCE:

Chemistry, chemical manufacturing and allied industries are important economic contributors to the wealth of UK and India. However, chemistry is often associated with poor environmental credentials affecting the quality of life drastically. Concurrently, increasing concerns over legislation (REACH in Europe) and the medium-long term supply of many critical resources is forcing industry to review its supply chains.



New research is needed to create alternatives typically based on renewables or recycled materials. Given the scale and growth of pharma, textiles and dyes, and home and personal care industries in India, the size of its own internal market, and the underlying strength of its education base, a UK-India workshop on the introduction of modern green and sustainable chemistry to deliver improved quality of life and standard of living for its inhabitants is vital.

WHAT WE INTEND TO DO THROUGH THIS CONFERENCE?



- *This conference will develop modes of collaboration in green and sustainable chemistry to tackle global grand challenges in bio-energy, climate and environmental impacts, food and water security, and health. It would cover traditional science, interdisciplinary science and change management.*
- *Early-career researchers will gain immediate benefit through mutual understanding of each other's expertise, needs and challenges.*
- *The workshop will challenge researchers to transcend traditional scientific boundaries so that they become more aware of interdisciplinary needs that can translate to global needs. Long-term benefit and impact will be the creation of micro and macro-circular economies.*

Our Relevant Stakeholders: Green chemistry and engineering experts, Chief decision-makers from industries, Solution-providers, Early Career Researchers, Scientists, Environmentalists and Economists.

2019

Some specific targets OF GCSN 2019

1.

- To enable early-career researchers from the UK and India to share their expertise, needs and challenges that address global grand challenges using green and sustainable chemistry.

2.

- To ensure inclusivity, diversity and gender balance.

3.

- To empower early career researchers and provide them with mentorship from leading scientists in green and sustainable chemistry.

4.

- To disseminate findings from the workshop and sustain the network.

5.

- To develop holistic-thinking that extends beyond their own scientific discipline.

2019



EARLY CAREER RESEARCHER

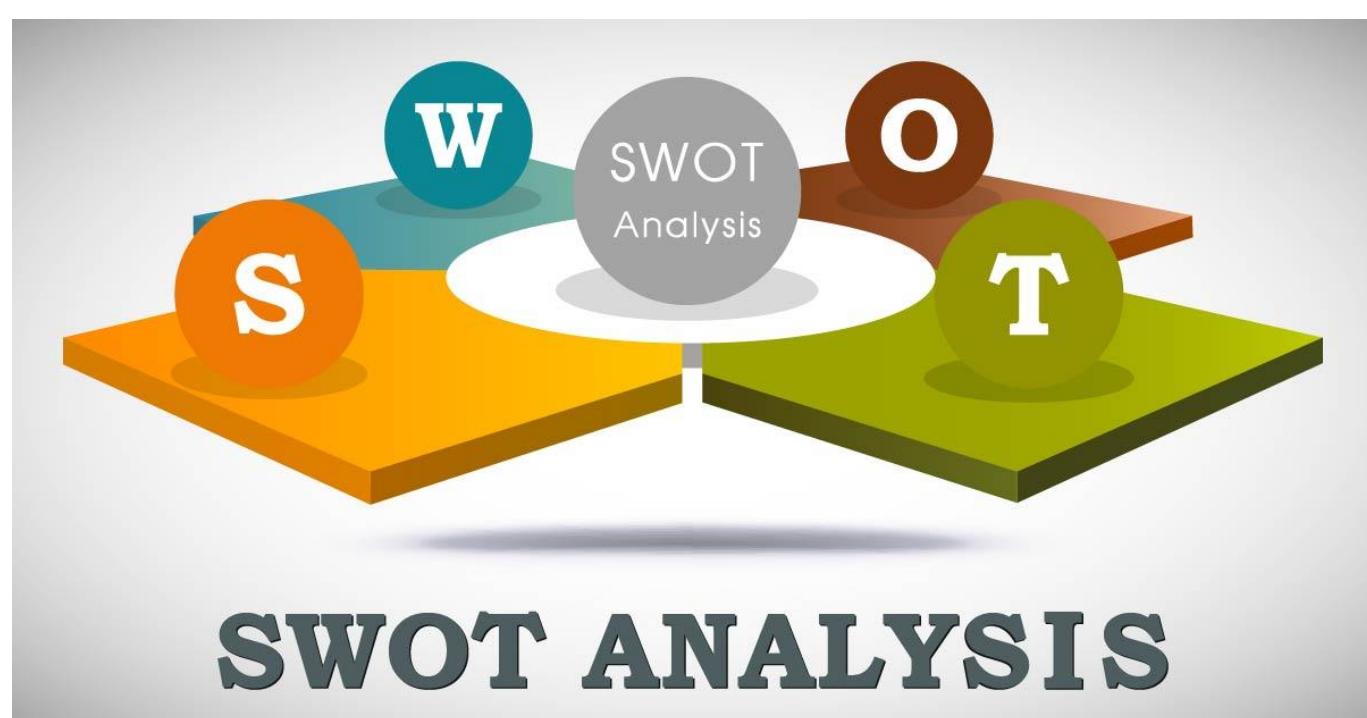


GCSN 2019 Highlight Special Interactive Session

The Scientific Federation brings you an immense opportunity to be a part of scientific acceleration to world class personalities, young scholars, scientific delegates and young scientists to join in this forum to utilize the expertise and novelties that brings a new era for innovations in the field of Green Chemistry and Engineering which brings well versed scrutinizers at one place.

PITCHING PANEL

Mentoring of UK + INDIA
EARLY CAREER
RESEARCHERS
from Specialists



SWOT ANALYSIS

FLASH PRESENTATIONS

Dr. Mary Kirchhoff
Director,
ACS Green Chemistry Institute



MENTORS



Prof. James Clark
University of York
United Kingdom



Prof. Janet J. Scott
University of Bath
United Kingdom



Prof. S. K. Mehta
Panjab University
Chandigarh, India



Prof. Anshu Dandia
University of Rajasthan
India



Anticipated Outcomes OF GCSN 2019

2019

IMMEDIATE OUTCOMES

- Networking and understanding of each others expertise, needs and challenges.
- The creation of a SWOT (strengths, weaknesses, opportunities and threats analysis) and identification of new opportunities for collaboration between the various stakeholders.

MID-TERM OUTCOMES

- Researcher exchange via short-term scientific missions (STSM)
- Joint proposal writing as bilateral and multilateral opportunities arise. Specifically for GCCE and GCNC this involves opportunities stemming from GCRF, UKIERI, RUK, DST.

LONG-TERM OUTCOMES

- Creation of sustainable micro and macro-circular economies that create wealth and alleviate poverty through scientific innovation and intervention that can be translated globally.

TRACKS OF GCSN 2019 Call for Papers

Abstracts relevant to the following tracks are invited:

- *Green Chemistry-Basic Principles & New Trends*
- *Sustainable Development*
- *Circular Economy*
- *Environmental Toxicology*
- *Agricultural Science*
- *Chemical Industry and Market Analysis*
- *Sustainable Development*
- *Agrochemicals*
- *Industrial Crops & its Products*
- *Recycling*
- *Socio-Economic Development*
- *Chemical Engineering*

GUIDELINES

Visit our website:
<http://greenchem.du.ac.in/>

ORAL PRESENTATIONS
POSTER PRESENTATIONS

IMPORTANT

Applications are invited from young early career researchers from UK and India for participating in the INDO-UK workshop
Deadline: 20th September, 2019

HOW TO APPLY?

The Newton Bhabha Fund will cover the costs related to the participation to the workshop, including: travel (both international and local), accommodation and meals. Costs for the visa, and travel insurance will be covered; however participants will be responsible for making all the necessary arrangements. The British Council accepts no responsibility for any problems which may occur with travel or accommodation arrangements or any other issues participants might experience when the participants are away from their home.



2019

Application and Deadline:

The full application available at <http://greenchem.du.ac.in/> must be completed and submitted by the **20 September 2019** to: greenchemistry@york.ac.uk and rksharmagreenchem@hotmail.com.

Eligibility Criteria:

- Applications must be submitted using the Researcher Links application form.
- Application must be submitted before the above deadline.
- Participants must be Early Career Researchers: Early Career Researchers are defined as holding a PhD (or having equivalent research experience).
- Participants must have a research or academic position (a permanent post, research contract, or fellowship etc) at a recognised research institution either in the UK or in India.
- Please note that participants are expected to attend all sessions of the workshop.

Quality Assessment

- Experience and relevance of the applicant's research area to the workshop
- Motivation and contribution to the aims of the workshop
- Description of the long-term impact expected through the participation in the workshop
- Ability to disseminate workshop's outcomes

Selection Procedure:

- Eligibility check
- Quality assessment

Notification of results:

Applicants will be notified by email 2 months prior to the workshop.

APPLICATION FORM

1. Applicant	
Name and title	
Gender (for statistical purposes. This will not affect choice of participants)	
Position and Institution	
Postal Address	
Email	
Phone number	
Brief CV (academic career, publications, markers of esteem and any other relevant information) – no more than ½ page of A4	

2. Abstract – Please give a summary of your area of research

3. Please describe your motivation for attending the workshop and how the workshop matches your professional development needs
4. Please describe the expected impact of your participation on your personal and professional development, including your ability to work internationally
5. Please indicate how you will disseminate the outcomes of the workshops and the new knowledge/skills you have acquired

6. Workshops will take place in English as standard. Please indicate your ability to work and communicate in English (Note, translators may be provided if necessary)			
Native speaker		Good	
Excellent		Need support	

7. Please use this space to give any additional information that you feel is relevant for the application

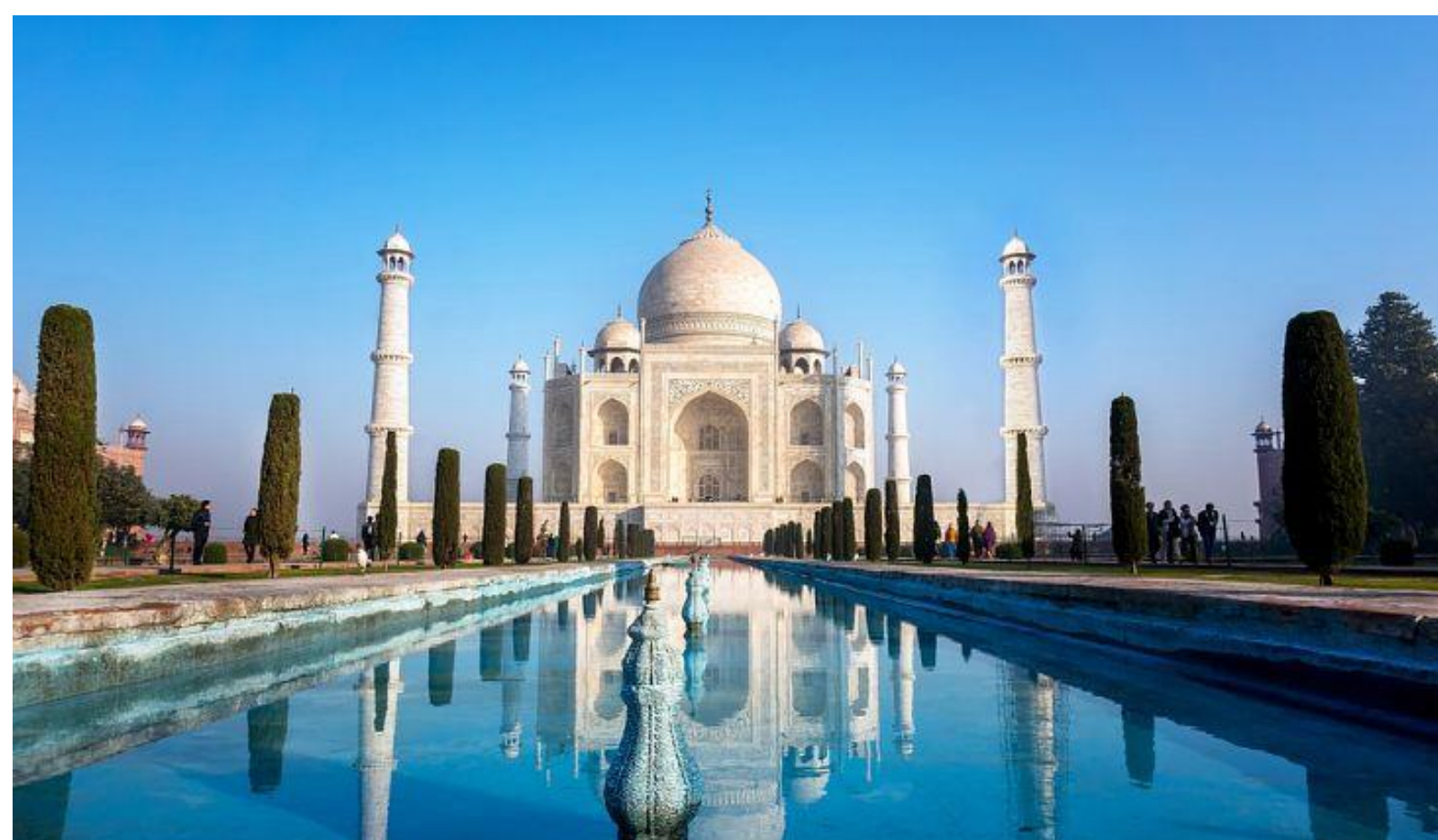


About Destination-India

India is the largest country located primarily in the center of South Asia, It is an extremely diverse country, with vast differences in geography, climate, culture, language and ethnicity across its expanse, and prides itself on being the largest democracy on Earth.

2019

SPECIAL ATTRACTIONS:



TAJ MAHAL, AGRA

An immense mausoleum of white marble, built in **Agra** between 1631 and 1648 by order of the Mughal emperor Shah Jahan in memory of his favourite wife. The **Taj Mahal** is the jewel of Muslim art in India and one of the universally admired masterpieces of the world's heritage.



INDIA GATE, NEW DELHI

The **India Gate** is located in the center of New Delhi, the capital of **India**. This landmark in Delhi commemorates the members of the erstwhile British **Indian** Army who sacrificed their lives fighting for the **Indian** Empire in the World War.

Tourists from across the globe have been flocking to India to see and feel the mysterious cultural element in this holy land. Around 90% of foreign travellers visit India to explore the melting pot of its cultural diversity. This diversity exists in different forms such as history, archaeology, music, festivals etc!!



CUISINES:

The Indian cuisine also symbolises the rich cultural diversity.



Sri Harmandir Sahib is the official name of the **Golden Temple**. It is in the city of Amritsar, Punjab, India. The **temple** is surrounded by a sacred pool and group of buildings important to the Sikh religion. The complex is the most important pilgrimage site in Sikhism and it is also called Darbar Sahib.

GOLDEN TEMPLE, AMRITSAR



ABOUT HOTEL MAIDENS (Workshop Venue):

With a history of over a century and remarkably endearing hospitality, **Hotel Maidens**

offers a journey back in time. Established in 1903 as one of the first hotels of Delhi and recognized as a Heritage Hotel in 1994, this hotel is a stately survivor of the golden age - a time when steam ruled the waves & the rails, empires flourished and when the rich, the famous and the titled used it as their stage. Its sweeping driveway and the grand façade give an inkling of its star-studded past. Its architecture is the most glorious illustration of old-world European charm with its colonial impressions.