



**HANSRAJ COLLEGE**

**University Of Delhi**

**NAAC Grade A++ with CGPA 3.71**

**NIRF Rank # 12 (Amongst Colleges)**

**(2023-2024)**



**Webinar Report: "Emergence of Green Metrics in Modern Synthetic Chemistry"**

**Organized by:-** IIC-HRC, DU to Celebrate National Education Day

**Date:** November 30, 2023

**Time:** 10:40 AM - 11:40 AM

**Venue:** Virtual (Google Meet)

**Link:** <https://meet.google.com/tzu-xxmf-uik>

**Activity Coordinator and Anchor:**

Mr. Suyash Kumar and Dr. Indrani

**Speakers:**

Dr. Ravindra Kumar, Principal Scientist, Division of Medicinal and Process Chemistry, CSIR-Central Drug Research Institute, Lucknow

**Dr. Ambika, Convener, IIC-HRC, DU**

**Ms. Alka Kacker, Vice President, IIC-HRC, DU**

**Prof. (Dr.) Rama, Principal and President, IIC-HRC, DU**

The webinar on the "Emergence of Green Metrics in Modern Synthetic Chemistry," organized by IIC-HRC, DU, to celebrate National Education Day, was a resounding success. The virtual event, held on November 30, 2023, featured distinguished speakers who shared their insights on the eco-friendly aspects of synthetic chemistry.

**Key Highlights:**

**Speaker Session by Dr. Ravindra Kumar:**

Dr. Ravindra Kumar, as the principal scientist from CSIR-Central Drug Research Institute, Lucknow, delivered an illuminating talk on the advancements and challenges in integrating green metrics into modern synthetic chemistry. His expertise shed light on sustainable practices, reducing environmental impact, and enhancing the overall efficiency of chemical processes.

**Inaugural Address by Dr. Indrani and Dr. Ambika:**

Dr. Indarni started the Inaugural address with a brief introduction of Resource person and invited Dr. Ambika. Dr. Ambika, the convener of IIC-HRC, DU, provided an insightful inaugural address, emphasizing the importance of embracing environmentally conscious approaches in the field of chemistry. Her words resonated with the essence of National Education Day, promoting knowledge dissemination and awareness.

**Perspective from Ms. Alka Kacker:**

Ms. Alka Kacker, the Vice President of IIC-HRC, DU, shared her perspective on the role of academic institutions in fostering green initiatives. Her emphasis on collaborative efforts and education as catalysts for sustainable change resonated with the audience.

**Leadership Insights from Prof. (Dr.) Rama:**

Prof. (Dr.) Rama, the Principal and President of IIC-HRC, DU, provided valuable leadership insights, emphasizing the institution's commitment to sustainable education. Her vision for integrating green metrics into the curriculum showcased a forward-thinking approach.

**Interactive Q&A Session:**

The webinar concluded with an engaging Q&A session where participants had the opportunity to interact with the speakers, gaining deeper insights into the emerging trends and practical applications of green metrics in synthetic chemistry.

**Closing Remarks:**

The event concluded with a vote of thanks by Mr. Suyash Kumar, expressing gratitude to the speakers, organizers, and participants for their active involvement. The shared knowledge and discussions during this webinar contribute significantly to advancing green chemistry practices.

This webinar, a tribute to National Education Day, exemplified the commitment of IIC-HRC, DU, to fostering educational initiatives that align with sustainable and responsible practices.

WhatsApp Meet - tzu-xxmf-ulk

meet.google.com/tzu-xxmf-ulk

Ravindra Kumar (Presenting)

00:29:33

Green Metrics in Modern Chemical Synthesis

Questions to be addressed...

**Synthesis**

- Renewable source
- Waste free synthesis
- Protection/deprotection free synthesis
- Less no. of steps
- Toxic free (in reagent or by-product) synthesis

**Catalysis**

- Better than stoichiometric process
- Electro or photo catalysis
- Bio-catalysis
- Recovery etc.

**Selectivity**

- Selective product (desired)
- Regioselective/ Site-selective
- Diastereoselective
- Enantioselective

**Mantra in Chemical Synthesis**

- ✓ Selective
- ✓ Less Cost
- ✓ Benign process

CSIR-CDR

11:21 AM | tzu-xxmf-ulk

16°C Mostly sunny

11:21 30-11-2023

WhatsApp Meet - tzu-xxmf-ulk

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Ravindra Kumar (Presenting)

National Education Day

**Emergence of Green Metrics in Modern Synthetic Chemistry**

Ravindra Kumar

Medicinal and Process Chemistry Division  
CSIR-Central Drug Research Institute, Lucknow

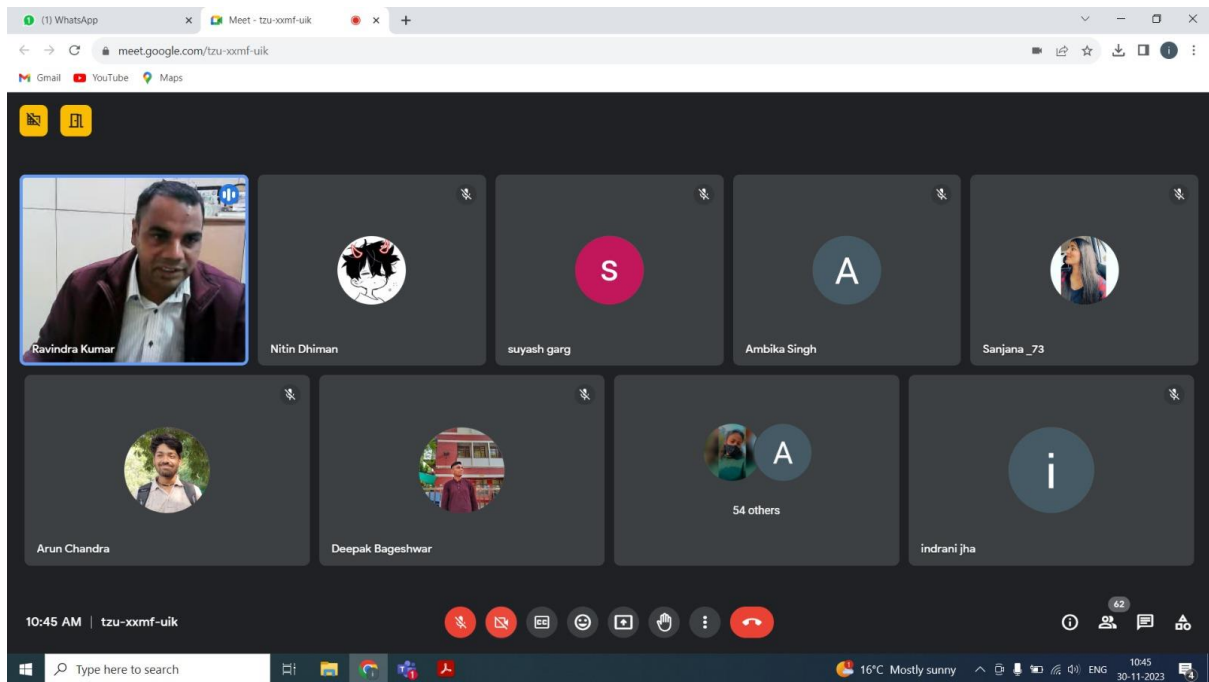
30.11.2023

Are you talking? Your mic is off. Click the mic to turn it on.

10:48 AM | tzu-xxmf-ulk

16°C Mostly sunny

10:48 30-11-2023



## Attendance

SNo	Participant Name
1	63_YASH SRIVASTAV
2	86_PRACHI SINGH
3	AASHISH KASHYAP
4	ABHAY CHAND
5	ABHISHEK KUMAR
6	ADITI 16
7	ADITYA RAJ
8	AKANKSHA05
9	AMBIKA SINGH
10	ANANTHA KRISHNAN K
11	ANKITA29
12	ARPIT GARG
13	ARUN CHANDRA
14	ARYAN SAHAI
15	ASHISH 3453
16	ASHISH SAH
17	ASHUTOSH CHAUDHARY 64
18	AYUSHI
19	AYUSHI SINGH (14206)
20	AYUSHMAN SRIVASTAVA
21	BHINDERJEET 22
22	BHOOMI
23	CHETNA SWAIN

- 24 DANISHTA15
- 25 DEEPAK BAGESHWAR
- 26 DEVANSH PALIWAL
- 27 DIKSHA PALLAVI (14211)
- 28 HARSH 01
- 29 HRISHIKESH TAMULI
- 30 IIC HRC
- 31 INDRANI JHA
- 32 JIYA VERMA (14282)
- 33 JYOTI 02
- 34 KANICA GADOO
- 35 KANISHKA KAUSHIK (14212)
- 36 KANIZ FATIMA (14279)
- 37 LAKSHAY 52
- 38 LOBSANG25
- 39 MANAN ALAGH
- 40 MANPREET SINGH
- 41 MEENAAL MEENAAL 14260
- 42 MEGAVATH VASU (14238)
- 43 MUSKAN KACHHAP 85
- 44 NAMRATA 28 YADAV
- 45 NISHA KUSHWAHA (14230)
- 46 NITIN DHIMAN
- 47 ONKAR THAKRAL
- 48 PARINITHA
- 49 PRAGYA
- 50 PREM KHADDA (17)
- 51 PRINCE JAISWAL
- 52 PRIYA
- 53 RAVINDRA KUMAR
- 54 ROHAN 34 LIFE SCIENCE
- 55 ROHAN YDV 76
- 56 SACHIN
- 57 SAJAL MITTAL
- 58 SAKSHAM KATARIA
- 59 SANIYA AASHMEEN (14258)
- 60 SANJANA \_73
- 61 SHIVAM RAJ
- 62 SHIVANI PRAJAPATI
- 63 SHREYA DUBEY (14233 SHREYA DUBEY)
- 64 SHUBHAM
- 65 SHUBHANGI SRIVASTAVA
- 66 SIDDHESHWAR NATH MISHRA
- 67 SOUMYA JAIN (14243)
- 68 STUTI DWIVEDI
- 69 SUYASH GARG

- 70 TANMAY
- 71 TANU LOHCHAB (TANU 14262)
- 72 TUSHAR
- 73 MUHAMMED HUSNAIN
- 74 YASMEEN FARAHATH (14213)