



**COLLEGE OF  
PHARMACEUTICAL SCIENCES**



**NOBEL  
PRIZE  
LECTURE  
SERIES 2  
2023**



## INTRODUCTION

This Nobel Prize lecture series will host interactive speeches on the Nobel Prizes topics 2023 in the field of medicine, physics, chemistry, literature, economics, and peace. The lecture series will highlight the discoveries of Nobel Prize topics; its importance and greatest benefits to humankind leading to sustainable development. This platform is open for the participation of scientific and non-scientific community from Academia and Industry.



**Scan QR Code for Free Registration**

**Free Registration Link:**

<https://rb.gy/r1sm5p>

**Zoom Link for participants:**

<https://dsuedu.in/LSNP>

[www.dsu.edu.in/pharmacy](http://www.dsu.edu.in/pharmacy)

1st week, Friday-8th Dec 2023



COLLEGE OF  
PHARMACEUTICAL SCIENCES



**Dr. N. Madhusudana Rao**  
CEO, AIC-CCMB,  
Retd. Scientist G at CCMB, India

**Medicine:** For their discoveries concerning nucleoside base modifications that enabled the development of effective mRNA vaccines against COVID-19

Dr. N. Madhusudhana Rao is working as CEO, AIC-CCMB, Retd. Scientist G at CCMB. Presently his group is interested in two projects: a, protein engineering and proteins at interfaces; B, Cell biology of gene delivery especially with cationic lipids. He is the coordinator of the CSIR network program on nanomaterials and nanodevices, involving several institutions.



**Dr. Gopal Dixit**  
Associate Professor  
Indian Institute of Technology Bombay, India

**Physics:** For experimental methods that generate attosecond pulses of light for the study of electron dynamics in matter

Dr. Gopal Dixit is currently serving as Associate Professor in the department of Physics, IIT, Bombay, India. His research focuses on Attosecond Physics, Ultrafast X-ray Science, Quantum Technologies, Coherent Control, and Chemical Physics. Dr. Dixit also worked as Visiting Professor, CNRS-Universite de Lorraine, Metz France and also Guest scientist, Max-Born Institute Berlin, Germany

## Program Schedule

Time	Program Detail	Program Owner
06:50 to 06:55 PM	Opening remarks	Dr. N.M. Raghavendra, Principal, COPS, DSU
06:56 to 07:00 PM	COPS Profile	Saptaranga Team
07:01 to 07:02 PM	Introduce speaker	Dr. Geetha KM, Professor, COPS, DSU
07:03 to 07:40 PM	Lecture on Medicine	Dr. N. Madhusudhana Rao, CEO, AIC-CCMB, India
07:41 to 07:43 PM	Introduction to Speaker	Dr. Vanaja K, Professor, COPS, DSU
07:44 to 08:25 PM	Lecture on Physics	Dr. Gopal Dixit, IIT, Bombay, India
08:26 to 08:28 PM	Closing remarks	Dr. Archana, Assistant Professor, COPS, DSU



**Dr. Ram Kuntal Hazra**  
Associate Professor  
Delhi University, India

**Chemistry: For the discovery and synthesis of quantum dots**

Dr. Ram Kuntal Hazra is currently serving in the Department of Chemistry as an Associate Professor. His research group mainly focusses on development of many-body interactions in lateral (electrical) and transverse (magnetic) confinements by Coulomb's Green function in generic coordinates. Condensed matter physics generally deals with electron-electron, electron-hole, and electron-phonon interactions.

**Literature: For his innovative plays and prose which give voice to the unsayable**

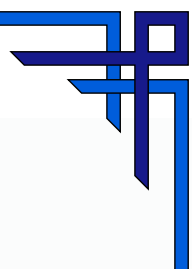
Dr. Chowdary established an English language institute, which transitioned to online services in 2020. He served as a Teacher Trainer at UKBET (UK Education Trust) from 2012 to 2018 and was an Interlocutor at City and Guilds, UK for their ESOL Programme in Sylhet, Bangladesh from 2012 to 2015. Currently, he holds the position of Deputy Registrar at Metropolitan University, Sylhet, Bangladesh, and is an Adjunct Faculty in various departments.



**Dr. Mihir Kanti Chowdary**  
Deputy Registrar  
Metropolitan University, Bangladesh

## Program Schedule

Time	Program Detail	Program Owner
06:50 to 06:55 PM	Opening remarks	Dr. N.M. Raghavendra, Principal, COPS, DSU
06:56 to 07:00 PM	COPS Profile	Saptaranga Team
07:01 to 07:02 PM	Introduction to Speaker	Dr. Prashant Tiwari, Associate Professor, COPS, DSU
07:03 to 07:40 PM	Lecture on Chemistry	Dr. Ram Kuntal Hazra, Delhi University, India
07:41 to 07:43 PM	Introduction to Speaker	Dr. Sonal Dubey, Professor, COPS, DSU
07:44 to 08:25 PM	Lecture on Literature	Dr. Mihir Kanti Chowdary, Metropolitan University, Bangladesh
08:26 to 08:28 PM	Closing remarks	Dr. Seema Rathore, Assistant Professor, COPS, DSU



**3rd week, Thursday-21 Dec 2023**



**Dr. Michael Strange**  
Associate Professor  
Department of Global Political  
Studies, Sweden

**Economics: For having advanced our understanding of women’s labour market outcomes**

His research and teaching is radically interdisciplinary but focused on core questions of political agency and democratic engagement. In that context he works on Artificial Intelligence, health, trade, and migration. He has published in journals and books within Global Political Economy, Civil Society, Media, Political Science, Critical Geography, Participatory Design, and AI.



**Peace: For her fight against the oppression of women in Iran and her fight to promote human rights and freedom for all**

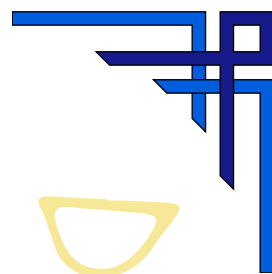
Prof (Dr.) V. Aswatha Ramaiah has authored books titled ‘A Celebration Called Life’, ‘Redefining Husband Wife Relationship’, ‘Success through English Alphabets’ etc. He has produced a video film titled ‘Parivartane’ with film actors and professionals. He is engaged in a number of CSR activities like conducting Training Programs for Orphanages, Old Age homes, NGOs, Government Offices etc.



**Prof V. Aswatha Ramaiah**  
Head Unique Consultant, India

**Program Schedule**

Time	Program Detail	Program Owner
06:50 to 06:54 PM	Opening remarks	Dr. N.M. Raghavendra, Principal, COPS, DSU
06:55 to 06:57 PM	COPS Profile	Saptaranga Team
6:58 to 07:00 PM	Introduction to Speaker	Dr. Sunil Kumar, Associate Professor, COPS, DSU
07:00 to 07:40 PM	Lecture on Economics	Dr. Michale Strange, Department of Global Political Studies, Sweden
07:41 to 07:43 PM	Introduction to Speaker	Dr. Sajeev Kumar B, Professor, COPS, DSU
07:44 to 08:25 PM	Lecture on Peace	Prof. V. Aswatha Ramaiah, Head Unique Consultant, India
08:26 to 08:30 PM	Vote of Thanks	Dr. Manoj Kumar, Associate Professor, COPS, DSU



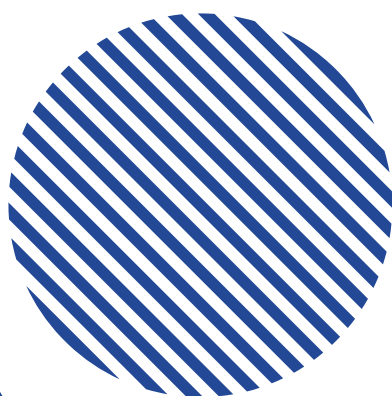
## OBJECTIVES

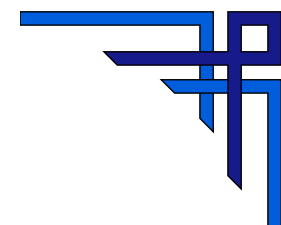
- This virtual lecture series provides a platform to highlight the Nobel Prize discoveries 2023, narrated by eminent scientists on outcome of the discoveries and its benefits to the welfare of mankind.
- The event may be a torchbearer for the Millennials who look forward to the innovations.
- The platform will create a link between eminent scientist across the globe and budding scientists.



## EXPECTED OUTCOMES

- The event will ignite the young minds on the innovations that can be translated into useful products.
- Young scientists across the globe will be benefited by the knowledge and expertise shared by the resource persons.
- The event also showcases and values the discoveries and the effort made by Nobel Laureates in creating models and contributing to the benefit of the world community.
- Youth will be motivated on innovative approaches, developing new solutions to the challenges the world faces today.





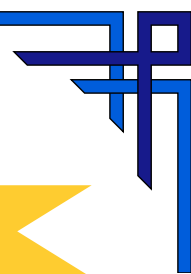
## About College of Pharmaceutical Sciences (COPS)

Dayananda Sagar College of Pharmacy was started in 1981 to cater to the needs of Pharmacy Education in India under Rajiv Gandhi University of Health Sciences, Karnataka. In the year 2015, the institution was renamed "College of Pharmaceutical Sciences" and merged as a branch of the School of Health Sciences, affiliated with Dayananda Sagar University. The college is recognized by PCI, New Delhi; and the Government of Karnataka; It is also a recognized Scientific and Industrial Organization by DSIR, Govt of India. The COPS offers B. Pharm, M. Pharm, Pharm D, and Ph.D. programs in Pharmaceutical Chemistry, Pharmacology, Pharmaceutics, Pharmacognosy, and Pharmaceutical Analysis. The College has vibrant clusters of innovation ecosystems focused on drug discovery and development; in collaboration with industrial partners and research organizations. It also has an excellent pharmacy practice department dedicated to the betterment of the healthcare community in association with Sagar hospitals, and Dr. Chandramma Dayananda Sagar Institute of Medical Education and Research

## About Dayananda Sagar University (DSU)

Dayananda Sagar University is a private university; it has four different campuses in Karnataka. DSU is a proud member of the Dayananda Sagar Institutions family, founded by Late Sri Dayananda Sagar in the early sixties. DSU has morphed into a global education powerhouse, spread over four campuses, catering to the education needs of over 17,000 students. Operating under the aegis of the Mahatma Gandhi Vidya Peth Trust in Bengaluru, DSI has enabled the transformation of tens of thousands of young Indians and international citizens into professionals in diverse specializations such as Health Sciences, Engineering, Computer Applications, Arts, and Management in the Bachelor, Master, and Ph.D. levels. Supporting the academic activities are the Centers of Excellence in Drug Discovery, HealthCare, ICT, Energy, and Life Science, among other fast-evolving fields of study. Research, Innovation, and Incubation (spread over 25,000 sq ft of industry quality labs) form the core of DSU.





## Patrons

- Dr. D. Hemachandra Sagar, Chancellor, DSU
- Dr. D. Premachandra Sagar, Pro Chancellor, DSU

## Advisory Committee

- Dr. K.N.B. Murthy, Vice-Chancellor, DSU
- Dr. Puttamadappa C, Registrar, DSU
- Dr. Pushpa Sarkar, Dean, SHS DSU

## Organizing Chairman

- Dr. N.M. Raghavendra, Principal, COPS, DSU

## Convenor

- Dr. Prashant Tiwari, Associate Professor, COPS, DSU

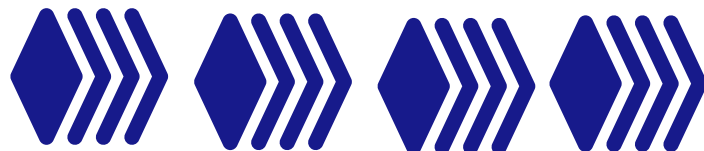


## Executive Committee

- Dr. Geetha KM, Professor, COPS, DSU
- Dr. Vanaja K, Professor, COPS, DSU
- Dr. Sonal Dubey, Professor, COPS, DSU
- Dr. Sajeev Kumar B, Professor, COPS, DSU
- Dr. Vijay Kumar M, Associate Professor, COPS, DSU
- Dr. Archana Prabhu, Assistant Professor, COPS, DSU
- Ms. Seema S. Rathore, Assistant Professor, COPS, DS

## Saptaranga Team

- Ms. Madhumitha, President, Saptaranga, COPS, DSU
- Mr. Sai G. Kathik Secretary, Saptaranga, COPS, DSU
- Mr. Sharavana, Joint Secretary, Saptaranga, COPS, DSU



## Registration Link



Register

Now!



<https://rb.gy/rism5p>

## Event Format

Two virtual talks of 40 min each on every Friday from 2nd week of December to 3rd week of December 2023.

Timings: 7:00-8:30 PM (IST)

**Online platform: Zoom Meeting**

## Who can attend the program

Academics, Scientists, Research Scholars, and Students of Technology, Science, Management, Literature, Architecture, and Allied Health Science.

●●● FREE REGISTRATION AND E-CERTIFICATE SHALL BE PROVIDED TO THE DELEGATES ●●●



## Nobel Prize 2023 Winners List

Category	Nobel Laureates	Awarded For
<b>Physiology or Medicine</b>	Katalin Kariko Drew Weissman	For their discoveries concerning nucleoside base modifications that enabled the development of effective mRNA vaccines against COVID-19
<b>Physics</b>	Pierre Agostini Ferenc Krausz Anne L'Huillier	For experimental methods that generate attosecond pulses of light for the study of electron dynamics in matter
<b>Chemistry</b>	Moungi G. Bawendi Louis E. Brus Alexei I. Ekimo	For the discovery and synthesis of quantum dots
<b>Literature</b>	Jon Fosse	For his innovative plays and prose which give voice to the unsayable
<b>Economics</b>	Claudia Goldin	For having advanced our understanding of women's labour market outcomes
<b>Peace</b>	Narges Mohammadi	For her fight against the oppression of women in Iran and her fight to promote human rights and freedom for all

