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**Prof.M. Madhavi**, Dept of Zoology, OU  
**Dr. Karuna Rupala**, Dept of Biochemistry, OU  
**Dr. M. Radha Krishna**, Dept of Zoology, OU

### Organizing team

**Prof. A. Roja Rani**  
**Prof. Smita C. Pawar**  
**Dr. G. Suman Latha**  
**Dr. A. Sandhya**  
**Dr. A. Srinivas**  
**Dr. Prashant Singam**  
**Dr. G. Vijay Kumar**  
**Dr. G. Deepika**, IOG  
**Dr. Lavanya**, CPMB

### Head & Convener

**Prof. H. Surekha Rani**  
Head, Dept of Genetics & Biotechnology  
Osmania University, Hyderabad.

### Program Coordinator

**Dr.Someswar R. Sagurthi**  
Dept of Genetics & Biotechnology  
Osmania University, Hyderabad.  
Ph : +91 7729822608  
E-mail : drsomeswar@osmania.ac.in  
Lab Website : <https://www.osmania.ac.in/drsomeswarlab/>



# NATIONAL SCIENCE CONVENTION

ON

## “IMPACT OF GENETICS AND BIOTECHNOLOGY RESEARCH ON SOCIETY”

**4<sup>th</sup> March 2023**

On the Occasion of National Science Day Celebrations 2023



*Organized by*

**Department of Genetics and Biotechnology, Osmania University**

*In collaboration with*

**National Council for Science and Technology Communication (NCSTC)  
Department of Science and Technology, Govt. of India  
& Telangana State Council of Science and Technology (TSCOST)  
Department of EFS&T Govt. of Telangana.**

**Venue**

**Seminar Hall**

**Department of Genetics & Biotechnology, Osmania University**

## About the Department

The Department of Genetics was founded in the year 1967 and has completed 55 years of brilliance. It offers Ph.D. and Masters in Genetics and Biotechnology and a P.G Diploma in Bioinformatics. Over 200 students are pursuing their Ph.D Degree currently. The University became the first in the country to start an academic department exclusively devoted to the discipline of Genetics.

## About National Science Day

National Science Day is celebrated annually on February 28 to commemorate the discovery of the 'Raman Effect'. Sir Chandrasekhara Venkata Raman, an Indian physicist, announced the discovery of the 'Raman Effect' on February 28, 1928. The Indian physicist was awarded the 1930 Nobel Prize in Physics for his work on the scattering of light and for the discovery of the effect named after him.

## About National Science Convention

This program focuses on the latest developments in the field of Genetics and Biotechnology and aims to provide an interactive platform to students and researchers of life sciences. The scientific sessions would comprise of lectures by eminent speakers to enlighten impact of Genetics and Biotechnology research on society. It also includes competitions to promote and encourage young minds and their research abilities.

## Program Schedule

Time	Event
9:30AM - 10:00AM	Registration
<b>Session I</b>	
10:00AM - 10:30AM	<b>Prof. K.V. Rao, FNAS, NASI Scientist, CPMB, OU, Hyderabad</b> "Role of genetically modified crops for food security"
10:30AM - 11:00AM	<b>Dr. Parul Mishra, HCU, Hyderabad</b> "Decoding the structure-function dynamics of proteins via deep mutational scans"
11:00AM - 11:15AM	Tea break
<b>Session II</b>	
11:15AM - 11:45AM	<b>Dr. Raj Kumar, IIT Hyderabad</b> "Allosteric cross talk on tuning enzyme activities & drug design"
11:45AM - 12:15AM	<b>Dr. N. Srikanth, Syngene International, Bangalore</b> "How CRISPR can revolutionize life"

### Session III

12:15PM - 12:45PM Poster presentations

12:45PM - 1:45PM Lunch break

### Session IV

1:45PM - 4:00 PM Oral presentations

4:00PM - 4:30 PM Tea break

### Session V

4:30 PM Valedictory

## Theme Based Competitions

**Theme:** Impact of Genetics and Biotechnology Research on Society

- ✚ Oral presentations
- ✚ Review article writing
- ✚ Poster presentations

**Last Date for mailing review article of 500 words : 2<sup>nd</sup> March 2023**

**Email : [tscostnsd2023@gmail.com](mailto:tscostnsd2023@gmail.com)**

**For any queries contact : Dr.Someswar R. Sagurthi, Cell +91-7729822608**

## Highlights

- ✚ Interactive platform with eminent speakers
- ✚ Cash prizes to winners in UG, PG and Scholars category separately
- ✚ Certificate of participation to all registered delegates
- ✚ Students can participate in multiple contests

## Participants

**Undergraduate students, Postgraduate students, Research scholars and Faculty.**

**Registration fee: Rs.250**

Last date for registration: 2<sup>nd</sup> March 2023

**Spot registration: Rs.500**

**Payment details**

Phone pay : 9640955987

A/c No : 52198260921 (SBI), IFSC : SBIN0020071

**State Bank of India, OU Branch**

Scan the QR code to register or visit the link-[forms.gle/trDqt4zVNY753gjm7](https://forms.gle/trDqt4zVNY753gjm7)





# NATIONAL SCIENCE CONVENTION

ON

## “Impact of Genetics and Biotechnology Research on Society”

On the occasion of National Science Day celebrations 2023

Organized by

Department of Genetics and Biotechnology, Osmania University

In collaboration with

National Council for Science and Technology Communication (NCSTC)

Department of Science and Technology, Govt. of India

& Telangana State Council of Science and Technology (TSCOST)

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on

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<b>Session I</b>			
10:00AM - 10:30AM	Prof. K.V. Rao, FNAS, NASI Scientist, CPMB, OU, Hyderabad “Role of genetically modified crops for food security”	12:15PM - 12:45PM	Poster presentations
10:30AM - 11:00AM	Dr. Parul Mishra, HCU, Hyderabad “Decoding the structure-function dynamics of proteins via deep mutational scans”	12:45PM - 1:45PM	Lunch break
11:00AM - 11:15AM	Tea break	<b>Session IV</b>	
<b>Session II</b>			
11:15AM - 11:45AM	Dr. E.Rajakumara, IIT Hyderabad “Allosteric cross talk on tuning enzyme activities & drug design”	1:45PM - 4:00 PM	Oral presentations
11:45AM - 12:15AM	Dr. N. Srikanth, Syngene International, Bangalore “How CRISPR can revolutionize life”	4:00PM - 4:30 PM	Tea break
		4:30 PM	Valedictory

### Theme Based Competitions

**Theme:** Impact of Genetics and Biotechnology Research on Society

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- Review article writing
- Poster presentations

Last Date for mailing review article of 500 words : **2<sup>nd</sup> March 2023**

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### Venue

#### SEMINAR HALL

Dept. of Genetics & Biotechnology,  
Osmania University,  
Hyderabad-500007, Telangana, India

### Highlights

- Interactive platform with eminent speakers
- Cash prizes to winners in UG, PG and Scholars category separately
- Certificate of participation to all registered delegates
- Students can participate in multiple contests

### Register Here



Online registration fee: ₹250 (INR)

Spot registration fee: ₹500 (INR)

Online registration link will be closed  
ON 2<sup>nd</sup> March, 2023

Scan the QR code to register  
or visit the link-

[forms.gle/trDqt4zVNY753gjm7](https://forms.gle/trDqt4zVNY753gjm7)

### Convener & Head

Prof. H. Surekha Rani

Head, Dept. of Genetics & Biotechnology,  
Osmania University

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Lab Website : <https://www.osmania.ac.in/drsomeswarlab/>