



# National Conference On CRISPR-Cas as an Emerging Tool for Genome Editing

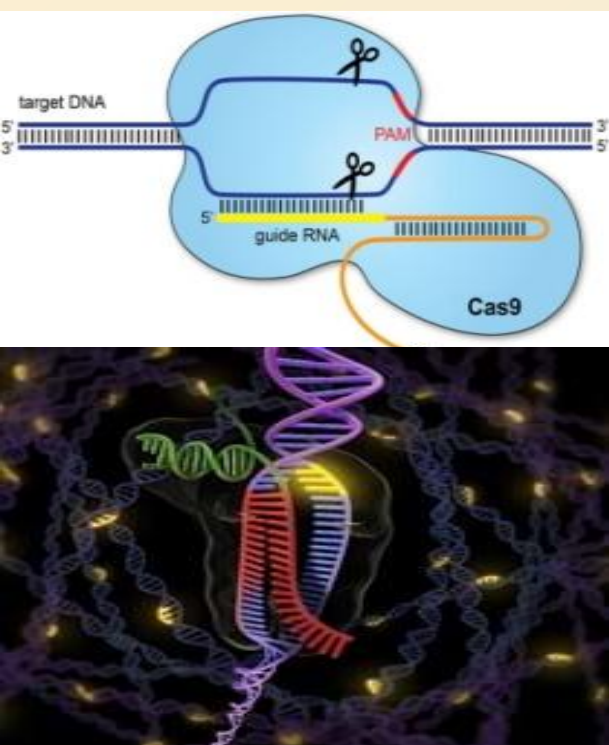


(Sponsored by Dr. A.P.J. Abdul Kalam Technical University, Lucknow)

22<sup>nd</sup> February 2020 (Saturday)

Department of Biotechnology  
IMS ENGINEERING COLLEGE, Ghaziabad

## ABOUT CONFERENCE



The discovery of CRISPR–Cas systems and their use as a tool for genome editing applications have revolutionized biomedical science. These systems are naturally present within the genomes of bacteria and archaea, where they provide adaptive immunity by targeting foreign nucleic acids for degradation. In recent time, an incredibly diverse and rapidly growing set of CRISPR systems have been identified, and they are used to target and modify specific RNA and DNA sequences in various organisms for applications such as genome editing, transcriptional modulation, forward genetic screens, lineage tracing, and more. CRISPR-Cas9 is a genome editing tool that is creating a buzz in the science world. It is faster, cheaper and more accurate than previous techniques of editing DNA and has a wide range of potential applications. The conference aims to bring leading academicians, scientists, researchers to share their experiences on new emerging tool. Following areas are covered-

1. CRISPR-Cas Biology
2. Foundational technologies
3. Biomedical Applications
4. Genome Editing and DNA Repair
5. Agricultural and Ecological Applications
6. Industrial Applications of CRISPR-Cas

## INVITED SPEAKERS

**Dr. Deepak Gaur**

Professor, JNU,  
New Delhi

**Dr. Vijai Singh**

Asso. Professor, Indrashil  
University, Rajpur

**Prof. M. V. Rajam**

Professor, University of Delhi  
New Delhi

**Dr. Suresh Kumar**

Scientist D, NICPR,  
Noida

**Dr. Jitender Giri**

Scientist IV  
NIPGR, New Delhi

**Dr. Bhaswar Maity**

Bio-rad India,  
New Delhi

**Dr. Rita Sharma**

Assistant Professor  
JNU, New Delhi

**For Whom:** This seminar is beneficial for faculty/industry professionals and PG/Ph.D Students. It will also benefit those who aspire to understand latest Biotechnology tools.

**REGISTRATION DETAILS:** The registration fee is Rs. 500/- for PG/Research Scholars and Rs. 1000/- for Faculty/ Industry professionals. For online registration, abstract guidelines and other details of conference, please visit our website: <https://sites.google.com/site/cetge2020/>

### Registration Fee Submission Details

#### 1. Through online transfer:

Name - IMS Engineering College

Acc no. - 51461010000140

Acc type – Current

IFSC Code- ORBC0105146

Bank Name - Oriental Bank of Commerce

#### 2. Through Demand Draft:

The demand draft should be in the favour of "IMS Engineering College" payable at "New Delhi".



## ORGANISING COMMITTEE

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Chairman, IMS Society

**Patron**

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Director, IMS EC, Ghaziabad

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**Dr. Meghna Singh**  
Assistant Professor  
Department of Biotechnology

**Co-organizing Secretary**

**Ms. Rashmi Chandra**  
Head of Department  
Department of Biotechnology

For any query contact, Email: [meghna.singh@imsec.ac.in](mailto:meghna.singh@imsec.ac.in), Phone: 0120-4940000 (Ext 817), 8800591710

Registration and Abstract Submission Last Date: 30/01/2020