



## National WEBINAR

On

# CONCEPTS, INNOVATIONS AND METHODS WHEN CHEMISTRY MEETS BIOLOGY

Organised by

**Department of Chemistry, Kharagpur College**  
Inda, Kharagpur, Paschim Medinipur, West Bengal, India, 721305

in collaboration with

**National Academy of Sciences, India (Kolkata Chapter)**

17<sup>th</sup> July, 2020 10 am onwards

### Resource Persons



**Prof. (Dr.) Hemanta K Majumder**

FNA, FASc., FNASc., FAScT, FTWAS  
President, NASI, Local Chapter, Kolkata  
NASI Senior Scientist Platinum Jubilee  
Fellow, Sir J.C. Bose National Fellow  
(DST) CSIR-Indian Institute of Chemical  
Biology, Jadavpur, Kolkata



**Prof. (Dr.) Amit Kumar Das**

Professor, Department of Biotechnology  
Chairman, CRF (Life Science Division)  
Head, School of Bio Science  
Indian Institute of Technology, Kharagpur



**Prof. (Dr.) Susanta Roy Chowdhury**

FNA, FASc., FNASc., FAScT  
Chief, Basic Research & Molecular Biology  
Saroj Gupta Cancer Centre & Research  
Institute Kolkata, JC Bose National Fellow



As an integral part of the WEBNIAR, for the sake of overall science awareness among the students a state level essay competition has been organized for details pl. see the page no. 4 to 5.

Registration is free and open from 8<sup>th</sup> July 5.00 pm up to 16<sup>th</sup> July midnight  
Registration Link: <https://forms.gle/GAkYDj3LfghPAhQH7>  
YouTube Link: <https://youtu.be/NNRfiqLFBLI>

## *Webinar Organising Committee*

<b>Patron in Chief</b>	<b>Prof. (Ret) Anjan Chaki, President, Governing Body, Kharagpur College</b>
<b>Chairman</b>	Dr. Bidyut Samanta, Principal, Kharagpur College
<b>Convener</b>	Dr. Subhra Mishra, Associate Professor, Department of Chemistry, Kharagpur College
<b>Secretary</b>	Dr. Indranil Chakraborty, Assistant Professor, Department of Chemistry, Kharagpur College
<b>Jt. Secretary</b>	Dr. Forid Saikh, Assistant Professor, Department of Chemistry, Kharagpur College
	Smt. Kuheli Pramanik, Assistant Professor, Department of Chemistry, Kharagpur College
<b>Members</b>	Sri Kalyan Sur, State Aided College Teacher, Department of Chemistry, Kharagpur College
	Sri Sanjoy Kumar Bera, State Aided College Teacher, Department of Chemistry, Kharagpur College
	Smt Laboni Giri, State Aided College Teacher, Department of Chemistry, Kharagpur College

## *Advisory Committee*

<b>Prof (Dr.) Hemanta K Majumder, President, NASI, Kolkata Chapter</b>
<b>Sri Sandip Sen, DAC Member, HS Council</b>
<b>Sri Prasanna Duley, Assistant Professor &amp; Head, Department of Chemistry, Kharagpur College</b>
<b>Dr. Gagan Chandra Mandal, Associate Professor, Department of Chemistry, Kharagpur College</b>

# Programme Schedule

17<sup>th</sup> July 2020

Time	Inaugural session	
10.00-10.010	Welcome address by Dr. Subhra Mishra, Convener, WEBINAR organising committee	
10.10-10.20	Inaugural speech by Dr. Bidyut Samanta, Principal, Kharagpur College & chairman of the WEBINAR organising committee.	
10.20-10.30	Speech by Prof. (Ret) Anjan Chaki, President, Governing Body, Kharagpur College and Patron-in-chief, WEBINAR organising committee.	
Technical Session		
	Lecture	Speaker
10.30-11.20	I	<b>Prof. (Dr.) Hemanta K Majumder</b> President, NASI, Local Chapter, Kolkata, NASI Senior Scientist Platinum Jubilee Fellow
11.20-12.10	II	<b>Prof. (Dr.) Amit Kumar Das</b> Professor, Department of Biotechnology, Indian Institute of Technology, Kharagpur
12.10-13.00	III	<b>Prof. (Dr.) Susanta Roy Chowdhury</b> Chief, Basic Research & Molecular Biology, Saroj Gupta Cancer Centre & Research Institute Kolkata
Valedictory Session		
13.00-13.10	Address of Sri Prasanna Duley, Head, Department of Chemistry & Co-ordinator, State level essay competition	
13.10-13.30	Announcement of result of the essay competition by Sri Sandip Sen, DAC Member, HS Council	
13.30-13.35	Vote of thanks by Dr. Indranil Chakraborty, Secretary, Webinar organising committee	

## Important Information & Links

Participants are requested to join the webinar through the You tube link : <https://youtu.be/NNRfiqLFBLI>  
**Registered participants willing to get E certificates are required to fill up feedback form to be provided at the end of the webinar. E certificates will be provided through registered e-mail within one week from the webinar.**

**For Registration click the link - <https://forms.gle/GAkYDj3LfgHPAhQH7>**

**For more information contact : [webinarchem20@gmail.com](mailto:webinarchem20@gmail.com) Ph 9474751733 / 9800439049 / 9474176178**

**For updated information please join the Telegram group: <https://t.me/joinchat/SpNrplPbygkyU9FwdxCy0Q>**

For Science awareness among the students

State Level

# Online Essay Competition

Organised by

Department of Chemistry, Kharagpur College

In Collaboration with

National Academy of Sciences, India  
Kolkata Chapter



Last Date: 8th July, 2020

## Procedure for Participation

Students from schools and colleges/universities can participate in this competition. Students are free to write either in Bengali or English. Participants have to be registered online. Registration is free. The registration link has been mentioned below.

**Write up copy (JPEG/PDF) mentioning Name (capital letters), Class (or Semester), School/ College/University name, contact no. and e-mail address to be uploaded in the following registration link on or before 8th July, 5.00P.M**

**Link:** <https://forms.gle/PeAHKSiGb5pwCMYj9>

The result will be declared at valedictory session of the National WEBINAR scheduled to be held on 17th July, 2020. Five students from each level will be awarded. Each participant will get the participation E-certificates. E-certificates will be provided within seven days from announcement of the result. The prizes will be given after normalization restores.

**For any assistance, pl. contact - 9933169095/9800439049/9474176178**

### Important Links:

**Registration Link for Essay Competition:** <https://forms.gle/PeAHKSiGb5pwCMYj9>

(upto 8th July 5.00pm)

**Registration Link for WEBINAR:**

(8th July 5.00pm to 16th July Mid night)

<https://forms.gle/GAkYDj3LfghPAhQH7>

**Youtube Link for attending WEBINAR:** <https://youtu.be/NNRfiqLFBLI>

(17<sup>th</sup> July 10.00am onwards)

Principal, Kharagpur College  
Dr. Bidyut Samanta

Co-ordinator  
Sri Prasanna Duley

Joint Convener  
Dr. Indranil Chakraborty

Convener  
Dr. Subhra Mishra

# Details of Online Essay Competition

## School level

### Topic: How far are you safe my Earth?

Points to be covered (Word limit: 750)

1. Introduction: The present scenario of ecology in context of your locality.
2. Elaborate the present state of soil erosion, deforestation and water pollution.
3. Describe the essential initiative to be taken by you at present and in future
4. Conclusion.

## College & University level

### Topic: We have only one Earth

Points to be covered (Word limit: 750)

1. Introduction: Give reasons for the aptness of the title.
2. Do you think our environment still remains safe for the living beings amidst this industrial revolution and the development of communication?
3. Describe the condition of melting ecology in context of your locality.
4. The essential initiatives to be taken by you as a student.
5. Why do we need a strong social, physical and mental health for the well being of the earth?
6. Conclusion.

## বিদ্যালয় স্তর

### প্রবন্ধ - আমার পৃথিবী তুমি কতটা সুস্থ?

নিম্নলিখিত বিষয়গুলি রচনায় উল্লেখ করতে হবে (অনুর্দ্ধ ৭৫০ শব্দ)

১. ভূমিকা - তোমার এলাকার পরিপ্রেক্ষিতে বাস্তবতন্ত্রের বর্তমান অবস্থা।
২. তোমার এলাকার ভূমিক্ষয়, অরণ্য সম্পদ, জল সম্পদের অবক্ষয় ও বর্তমান অবস্থা।
৩. বর্তমান অবস্থায় অবশ্য করণীয় কাজ ও ভবিষ্যতে তোমার অবশ্য করণীয়।
৪. উপসংহার।

## কলেজ ও বিশ্ববিদ্যালয় স্তর

### প্রবন্ধ - আমাদের একটাই পৃথিবী

নিম্নলিখিত বিষয়গুলি রচনায় উল্লেখ করতে হবে (অনুর্দ্ধ ৭৫০ শব্দ)

১. ভূমিকা - নামকরণের পক্ষে যুক্তি।
২. শিল্প বিপ্লব এবং যোগাযোগ ব্যবস্থার উন্নতিতে বর্তমান পৃথিবী কি সুস্থ?
৩. তোমার এলাকার পরিপ্রেক্ষিতে গলিত বাস্তবতন্ত্রের বর্তমান অবস্থা।
৪. শিক্ষার্থী হিসাবে বর্তমান সময়ে এবং ভবিষ্যতে তোমার অবশ্য করণীয়।
৫. পৃথিবীকে সুস্থ রাখতে সামাজিক, শারিরিক এবং মানসিক সুস্থতা কেন জরুরী।
৬. উপসংহার