



# MUGBERIA GANGADHAR MAHAVIDYALAYA

P.O.—BHUPATINAGAR, Dist.—PURBA MEDINIPUR, PIN.—721428, WEST BENGAL, INDIA  
NAAC Re-Accredited B+Level Govt. aided College  
CPE (Under UGC XII Plan) & NCTE Approved Institutions  
DBT Star College Scheme Award Recipient

E-mail : mugberia\_college@rediffmail.com // www.mugberiangangadharmahavidyalaya.ac.in

## DBT sponsored Two - Day Virtual National Conference on Recent Development of Chemical Research being implemented in Biology and Medicine dated 2<sup>nd</sup> & 3<sup>rd</sup> November, 2021

The program was started on 2<sup>nd</sup> November, 2021 at 11.00 am with few introductory words by the coordinator, Dr Bidhan Chandra Samanta, Associate Professor and Head, Department of Chemistry, Mugberia Gangadhar Mahavidyalaya. Prof. Dr Ashutosh Ghosh, Vice-Chancellor, Rani Rashmoni Green University inaugurated the conference officially by his valuable inaugural speech and published the e-copy of “Book of Abstract” by sharing his screen. Then, **TECHNICAL SESSION – I** chaired by Prof. Dr. Pralay Maiti was started. In this session, Prof. Dr. Amit Basak highlighted the issues related to antibiotic discovery, their resistance mechanisms and possible strategies to identify and shut down the activity of proteins involved in conferring resistance. After lunch break, **TECHNICAL SESSION – II** started taking Prof. Dr Tanmaya Pathak in the chair. In this session, Prof. Dr. Pralay Maiti discussed biomaterials for overall healthcare technology including bone healing, stent and suture based on shape memory polymers. In the second day, Prof. T. Pathak delivered lecture on “Sugar-Modified Inhibitors of Ribonuclease A” highlighting some efficient competitive inhibitors of RNase A with inhibition constants in the micromolar range and four research scholars presented paper in this day.

**Number of Participants:** Day 1, Half 1: 90 (M: 65, F: 25), Half 2: 50 (M: 23, F: 27); Day 2: 102 (M: 73, F: 29)

**Recent Development of Chemical Research being implemented in Biology and Medicine**  
**A TWO DAY NATIONAL CONFERENCE**

Organized by  
Department of Chemistry  
MUGBERIA GANGADHAR MAHAVIDYALAYA

Supported by: DBT (Govt. of India)

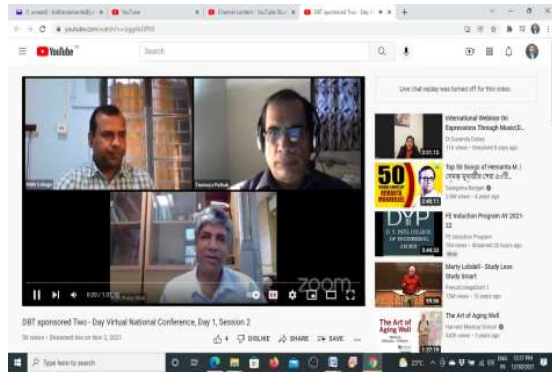
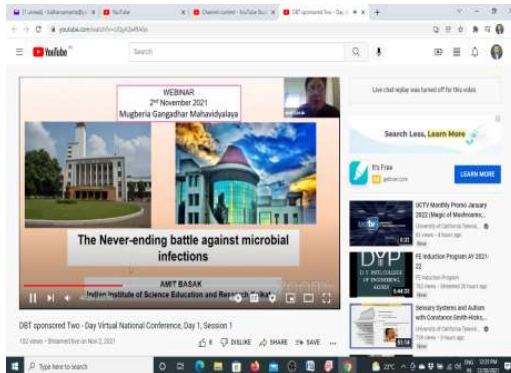
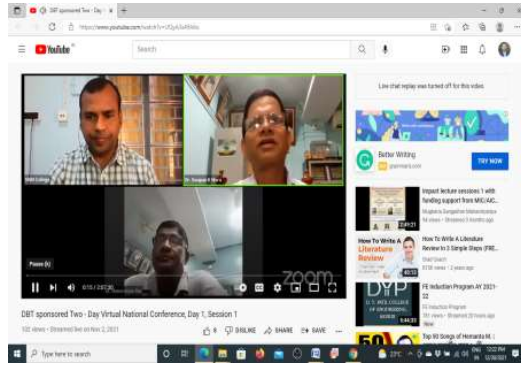
**2<sup>nd</sup> & 3<sup>rd</sup> Nov, 2021**

 Organizing President Dr. Bidhan Chandra Samanta Principal Mugberia Gangadhar Mahavidyalaya	 Inaugurator Prof. Ashutosh Ghosh Vice-Chancellor Rani Rashmoni Green University Hooghly, West Bengal	 Speaker Dr. Amit Basak Visiting Professor, School of Bioscience, IIT, Kharagpur West Bengal	 Speaker Dr. Pralay Maiti Professor and Ex-Coordinator School of Material & Text IIT-BHU Varanasi UP	 Speaker Dr. Tanmaya Pathak Professor, Dept of Chemistry, IIT Kharagpur, WB
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**Theme of the Webinar**  
Natural and synthetic chemical compounds have served mankind for healing and life saving purpose since ancient times. However better understanding of human physiology, its working procedure, constituent elements of human body, its interaction with environment along with the development of technology in different field of science has triggered discovery of newer drug molecules with better healing abilities. Development of inorganic materials like polymers, nano-materials is coming up with covering techniques of drug delivery with better results for treatment of cancer, heart blockage, contract etc. Nanomaterials are coming up with their antibacterial, antiviral effect for fighting pandemic situations like COVID-19. Uses of newer inorganic elements are also finding their abilities towards new possibilities in therapeutic use.

**Registration is free, but it is mandatory**  
Registration link: <https://forms.gle/vyT5SxcsOSR0GMCN8>  
Last date of registration: 28<sup>th</sup> October, 2021 up to 5.00 pm.  
Platform Zoom apps Streaming YouTube. Meeting link will be provided one day prior to the Webinar through registered e-mail or WhatsApp.  
e-certificates will be issued only after successful filling of Feedback form.

**Invitation for abstract and full length Paper**  
Abstract submission deadline (300 words)-  
October 20, 2021; Full paper submission  
October 25, 2021 for preceeding publication with ISBN No.  
Send your abstract and full paper to [bidhansamanta@yahoo.in](mailto:bidhansamanta@yahoo.in)



YouTube: <https://youtu.be/UQyA3s49A6o>