



ISO 9001:2015 Certified



Two-Day International Virtual Conference

Innovation in Science Education

Organized by

Department of Chemistry, Surendranath College, Kolkata, India

In Association with

Faculty of Science, Lincoln University College, Malaysia &

Dr. Tarak Nath Podder Memorial Foundation, Kolkata, India

(An IQAC Surendranath College Initiative)

FEBRUARY 17 & 18, 2021

3:00 P.M. – 6:00 P.M.

ZOOM PLATFORM, SURENDRANATH COLLEGE, KOLKATA

A Book with ISBN and Crossref DOI would be Published on Occasion of this Conference from Lincoln Research & Publication Limited, Australia in collaboration with Lincoln University College, Malaysia. Hence Innovative Write Ups on **Science Education** are Invited from Faculty Members of Different Academic Institutions to be Published as Chapters in that Book (after Proper Review) within **31st January'2021** at chemsncwbinr@gmail.com

FOR FURTHER DETAILED CONTACT DR. HARI SHANKAR BISWAS @ +91 9874249567

www.surendranathcollege.org * www.lincon.edu.my * lincolnrl.org * dtnpmf.org*

About College

Surendranath College, a 136-year-old heritage institution, has produced a galaxy of Golden Alumni in its long run. The First President of India Dr. Rajendra Prasad was also its Alumni. Standing in the heart of the City, Kolkata, West Bengal, India, the college can cater students even from the remotest parts of West Bengal and other states too. The college has already bagged the RUSA 2.0, DST BOOST and DBT STAR grants and has achieved the ZEE 24 Ghanta Educational Excellence Award 2020 and the St. Mother Teresa International Best College Award 2020. Chemistry Department is one of the Oldest Department of this College. The students of this Department pursue higher studies and research in different countries like UK, USA, Japan, Israel, Germany etc. apart from different renowned research laboratories of India. The departmental faculty members also do have Post-Doctoral experiences from India and abroad. Hence our College is a Potential Hub of promising students who can carry out research work in renowned Laboratories across the Globe.

About Conference

The amount of knowledge currently available in the field of science has increased manyfold and the research opportunity is doubling for every two years. Such a large and growing field always requires substantially improved teaching technologies to increase science literacy as well as research activities in science. New information technologies are revolutionizing the way of learning and teaching process and in fact education is going through a major transformation both in terms of teaching processes and in students learning experiences. However, instead of extending science learning into better skill-based practices and inquiry-based learning, the present curriculum compels students to follow a three-year course which was framed years back.

Whereas a combination of investigative laboratory work in interaction with realia and related computer software was something that could raise the interest, the enthusiasm, the concentration, and the fascination of students towards the subject. If this could be done, then the activity of teaching science will turn into an activity of motivation and excitement. Proper support from the scientific centers and desired collaboration along with hands-on investigation and project-based learning can surely make the science learning an activity of inspiring ideal education that in turn would lead to the quantitative and qualitative contribution to the society at large. In view of this, the transmission of knowledge, particularly in the field of science, should not remain the primary aim of education anymore, rather a shift from knowledge-oriented system of teaching to inquiry-based system should become inevitable, and must become the utmost important need of the hour.

Objective

The main motto of conducting a Conference on Innovation in Science Education is to provide a platform to share the knowledge on innovative strategies, trends in science teaching in the backdrop of vast development of science and technology to promote skill building with public outreach among student community.

Call for Paper

The soft copy of full-length scholarly papers are invited in word document with APA format within 2000 words.

Main Theme

Innovation in Science Education

Subtopics for Papers

• Right Blend of Knowledge and Application in Science Education

• Skill Based Learning, Problem Based Learning, and Research-Based Learning

• Teaching Science and Technology in Harmony with Socio-Cultural Environment

• Sustainable Development through Improved Science and Technology Education with Reference to Environment/Health/Socio Economic Problems

• Science Education in 21st Century: Issues and Prospects

• Interdisciplinary, Multidisciplinary, and Integrated Teaching Technologies

• Science and Legal Knowledge with Special Reference to IPR

• Enabling the Students as Future Creators of Knowledge

• Constructive Approach for Teaching and Learning of Science

• Content Delivery Tools in Teaching Science Education

• Use and Development of ICT application In Teaching Methodology Catering Multilingual Needs of Student

• Making Science Education Effective and Accessible

• Action Research Principles, Practice and Evaluation

• Inculcation of Inquiry Based Culture as well as Research Approach in Physical, Chemical and Biological Sciences

Last Date of Submission

31st January'2021

Publication Fee

Accepted communications would require a publication fee ranging between Rs. 1,000/- to 1,500/- that would be intimated later.

Activity Report

Name of Event: International Webinar held on 17th and 18th February, 2021

Topic - “International webinar on ' INNOVATION IN SCIENCE EDUCATION'”.

Invited Speaker:

1. Dr. Sandeep Poddar Recent
Deputy Vice Chancellor (Research & innovation)
Lincoln University College, Malaysia
2. Dr. Debajyoti Bose
Department of Microbiology
Yobe State University
Damaturu, Yobe State, Nigeria
3. Dr. Subhash Chandra Bhat
Assistant Professor in Chemistry
Government College of Education,
Banipur, N-24-Parganas, WB
4. Dr. Md Jamal Uddin
Assistant Professor
Department of Education
Aliah University, Kolkata

Date: 17/02/2021 and 18/02/2021

Time: 3 pm to 6 pm

Webinar Platform: Zoom Cloud Meeting Platform

Organised by: Department of Chemistry, Surendranath College in association with Faculty of Science, Lincoln University College, Malaysia and Dr. Tarak Nath Poddar Memorial Foundation, India, under the DBT-Star College Strengthening Scheme, Govt of India.

Number of participants: 419

Summary: The webinar started with the inaugural lecture by our Principal, Dr. Indranil Kar, followed by the speaker's introduction. The lecture was attended by **193 participants** including **undergraduate, postgraduate and faculty members of about 20 different colleges, universities and research institutes**. The esteem speakers, Dr. Sandeep Poddar delivered his Lecture on “Recent Advances in Science Education”, Dr. Debajyoti Bose on “Role of Microorganisms in Sustainable Bioeconomy” Dr. Subhash Chandra Bhat on “Innovation in Science Education with Special References to Chemical Sciences” and Dr. Md Jamal Uddin on “Innovation in Science Teaching: Challenges and Best Practices”

The most updated concepts, *informative and thought provoking* and challenges in the Science Education highlighted by the speakers. *It was really a splendid presentation which exposed our students to the field practices*. They even answered all the questions raised by the participants in the question answer session and promised to do the needful guidance for the undergraduate and postgraduate students in future correspondences. The speaker was formally given the vote of thanks by Dr. Hari Shankar Biswas, Convenor of this Webinar for their valuable lectures. All the participants had submitted the feedback form and received the participating certificates in due course of time. *All the students of our Department appreciated and got benefited from Speaker's views on the subject.*

Looking forward for their cooperation for the promotion of professional education in future as well.

YouTube [Link](#) 1 [Link 2](#): [Google form link](#) [Programme link](#) Event Flyer: [Link](#) Sample [Certificate Link](#)

Certificate of Appreciation

Two Day International Virtual Conference on
“Innovation in Science Education”

(An IQAC Surendranath College Initiative)



This is to certify that Dr. Sandeep Poddar of Lincoln University College, Malaysia has delivered an invited lecture as a resource person in the two day International Virtual Conference entitled “Innovation in Science Education” organized by Department of Chemistry, Surendranath College, Kolkata, India in association with Faculty of Science, Lincoln University College, Malaysia and Dr. Tarak Nath Poddar Memorial Foundation, India on 17th February, 2021.

Dr. Hari Shankar Biswas
Convenor

Dr. Suchandra Chatterjee
IQAC Coordinator

Dr. Indranil Kar
Principal