

SOUVENIR

25th Regional Conference
of
ORISSA CHEMICAL SOCIETY
&
NATIONAL SEMINAR
on
"FRONTIERS IN
RECENT CHEMICAL RESEARCH"
13th & 14th March 2022



Organised By :



DEPARTMENT OF CHEMISTRY
KENDRAPARA AUTONOMOUS COLLEGE
KENDRAPARA, ODISHA

Nobel Laureates in Chemistry (2021)



Benjamin List

David W.C. Macmillan



Prof. Ganeshi Lal

Governor, Odisha

ପ୍ରଫେସର ଗଣେଶୀ ଲାଲ

ରାଜ୍ୟପାଳ, ଓଡ଼ିଶା



RAJ BHAVAN
BHUBANESWAR - 751 008

ରାଜଭବନ
ଭୁବନେଶ୍ୱର-୭୫୧ ୦୦୮

Message

I am glad to know that the Department of Chemistry of Kendrapara Autonomous College is organizing a National Seminar on the topic "FRONTIERS IN RECENT CHEMICAL RESEARCH" on March 13-14, 2022. A Seminar Journal is also being brought out on the occasion.

Chemistry plays a central role in the discovery of new compounds, and the synthesis of natural products, drugs and other pharmaceutical products with significant scientific, societal and environmental impact. Undoubtedly, all pivotal advances in a great number of scientific fields rely on advances in chemistry. Pandemic situations, such as the one we are currently experiencing, have been faced through chemical or biochemical applications in a wide range of products like vaccines. Environmental sciences with regard to the protection of the environment and sustainability sources all use advances in chemistry, as well as in interdisciplinary studies. I believe the seminar would be academically and scientifically enlightening.

I wish the seminar and publication all success.

(Ganeshi Lal)



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Date :

DR. ARUN KUMAR SAHOO

MINISTER
Agriculture & Farmers' Empowerment,
Fisheries & Animal Resources Development,
& Higher Education, Odisha

Message

I am extremely happy to know that the Department of Chemistry of Kendrapara Autonomous College is organising a National Seminar on the topic "Frontiers in recent chemical research" and bringing out a Seminar Journal to mark the occasion. I convey my hearty good wishes to the organisers for the event.

Organization of Seminars creates opportunities for brainstorming of improved ideas and refreshment of knowledge on the subject. The spear headers and the participants of such seminar in the Department of Chemistry, Kendrapara Autonomous College are really praiseworthy for their endeavour. I hope, the said National Seminar will open new vistas in the field of chemical research.

I wish the organisation of National Seminar by the Department of Chemistry, Kendrapara Autonomous College and publication of its Seminar Journal a grand success.

(Dr. Arun Kumar Sahoo)



Sj. Shashi Bhusan Behera

M.L.A
Kendrapara

Message

It gives me immense pleasure to know that the Department of Chemistry, Kendrapara Autonomous College, Kendrapara in collaboration with the Orissa Chemical Society is organizing Regional Conference of Orissa Chemical Society along with a National Seminar on "Frontiers in recent Chemical research" and bringing out a souvenir to mark the occasion on 13th and 14th March 2022.

This is indeed an excellent effort by the Department and the Orissa chemical Society which will provide an ideal platform for the Scientists, academicians, researchers and students to interact and exchange ideas as well as discuss the recent developments in chemical research for the betterment of humanity.

I hope, the seminar will be successful in exploring the newer and emerging areas of chemical research.

I wish all success of the seminar and extend my best wishes to the organizers and participants.

A handwritten signature in black ink, appearing to read "S. B. Behera".

(S. B. Behera)



Asoka Kumar Das
Vice Chairman
Odisha State Higher Education Council
(OSHEC)



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Message

It is great pleasure to pen a message for the National Seminar on “Frontiers in Recent Chemical Research” organized by Kendapara Autonomous College Kendrapara during March 13-14, 2022. Two years of pandemic has been extremely tough on the organization of scientific meetings, seminars and conferences in the physical mode. The flavor of meeting researchers personally, learning new ideas and techniques from seniors, and discussing inspiring science with young researchers during their presentation or poster sessions is not what can be experienced in online seminars. Chemistry over the last few millennium has come to play an important part in development of the human civilization through its transformative phases.. It was an innocuous chance action by early man that led to the discovery and harnessing of fire, the first chemistry experiment, to create the defining moment for the progress of human society.

Chemistry as an early science progressed from Alchemy to chemistry of elements, atoms, molecules, chemical compounds, atomic structure and arrangement in a molecule, spectroscopy, chemical bonding, multitude of chemical reactions, the periodic table, and over the years graduating to nuclear chemistry. The availability of modern microscopes, spectroscopic techniques, lasers, plasmas, accelerators with beams of charged particle brought in new frontiers of research in molecular design leading to selective chemical transformation targeting better optical, electronic, thermal and mechanical properties. As biologists entered the realms of proteomics, genomics, transcriptomics, metabolomics, lipidomics, and epigenomics, the underlying chemistry at intra and inter cellular level created a new areas like chemical biology, biochemistry and chemical neuroscience. Advent of high speed and high capacity computers introduced atomic and molecular scale simulations that are supplementing our prediction and validation capacity in complex chemical systems both at macro, micro and. Nano scales. The advent of green plastics, ceramic composites and novel carbon nanostructures are revolutionizing processes like catalysis, material synthesis and structure property correlation at all levels.

Under this contextual background, I am sure, researchers attending this important seminar will greatly benefit from the invited and contributed papers as well as inspiring their young colleagues into taking up research as a serious career option. Research in chemistry is inherently translational in nature and great innovations have emerged from frontline research in Chemistry. My congratulations to the organizers at Kendrapara Autonomous College for this timely seminar on a beautiful topic and my best wishes to all the participants.

Asoka Kumar Das
(Asoka Kumar Das)



Ashwini Kumar Mishra, IAS
Director, Higher Education,
Odisha, Bhubaneswar



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BHUBANESWAR

February, 2022

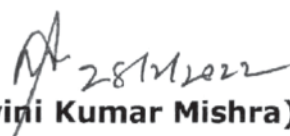
Message

I am happy to know that the Department of Chemistry of Kendrapara Autonomous College, Kendrapara is organizing a two-day National Seminar on "**Frontiers in Recent Chemical Research**" during March, 13-14, 2022 in collaboration with Orissa Chemical Society.

National Level Seminars provide opportunities to the participants to present their research papers and interact with the scholars from different parts of India. Findings emerging out of deliberations of Experts, Scientists and scholars lead to refinement of their research work.

I extend my warm greetings to all the delegates of the conference and hope the deliberations will lead to new ideas that would enrich the sphere of knowledge.

I wish the National Seminar and the Regional Conference a grand success.


(Ashwini Kumar Mishra)
DIRECTOR
HIGHER EDUCATION
ODISHA



Professor Sabita Acharya
Vice Chancellor, Utkal University



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4th March, 2022

Message

It gives me immense pleasure to learn that the Department of Chemistry, of Kendrapara Autonomous College, Kendrapara is going to publish a Journal on the occasion of conducting a National Level Seminar on “**Frontiers in Recent Chemical Research**” on 13th & 14th March 2022.

I take this opportunity to convey my best wishes to the students, teachers and staff of the Department and wish the publication of the Journal a grand Success.

Sacharya 4.3.2022
(Sabita Acharya)