



Dr. Basudev Patra
President, Governing Body
Kendrapara Autonomous College



KENDRAPARA AUTONOMOUS COLLEGE
KENDRAPARA, ODISHA

Message

I am glad to know that the department of chemistry, Kendrapara Autonomous College, Kendrapara is going to organize a National Seminar on “**Frontiers in Recent Chemical Research**” on 13th and 14th March 2022 in collaboration with Orissa Chemical society. To Commemorate the occasion, they are also bringing out a souvenir.

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

I wish all success of the seminar, publication of the souvenir and extend my best wishes to the organisers and participants.

A handwritten signature in black ink, appearing to read 'Basudev Patra'.

(Dr. Basudev Patra)



Prof. S.N. Mohanty
President
Orissa Chemical Society



Message

I am extremely glad to know that a "Souvenir" is being published by Kendrapara Autonomous College, Kendrapara on the occasion of 25th Regional Conference of Orissa Chemical Society & National Seminar on "Frontiers in Recent Chemical Research" being held in the College premises on 13th & 14th March 2022. Hope, the Souvenir shall illuminate all teachers, researchers & learners on the "Recent Trends in Chemistry".

Chemistry says "More is the energy released during formation of a bond, the harder is it to be broken". Let's all be strongly bonded to Chemistry.

A handwritten signature in black ink that reads 'S.N. Mohanty'.

(Prof. S.N. Mohanty)



Dr. Rajendra Prasad Tripathy
Principal
Kendrapara Autonomous College
Kendrapara

Message

It gives me immense pleasure that the Department of Chemistry of our college is organising a two-day National Seminar on “Frontiers in Recent Chemical Research” during 13th & 14th March 2022 in Collaboration with Orissa Chemical Society.

As the chief patron of this National Seminar, I anticipate that the conference will act as a common platform to showcase and share the research findings going on throughout the country for further improvement in the field of chemical Research.

I would like to thank all the Scientists, Researchers, Academicians and students for their participation and making this conference a grand success. I wholeheartedly appreciate all the sincere efforts of the faculty members of the Department of Chemistry for organising this seminar and wish them all success in the publication of the souvenir.

I am also thankful to the Executive members of Orissa Chemical Society for choosing our college to be the host for its 25th Regional Conference.

I wish the endeavour all success.

(Dr. R.P. Tripathy)
Principal
Kendrapara Autonomous College
Kendrapara



From the Desk of the Convenor

Dr. Debendra Nath Gochhayat
Convenor of the Seminar

It is my proud privilege to write few lines on the occasion of National Seminar on **“Frontiers in Recent Chemical Research”** organised by the Department of Chemistry, Kendrapara Autonomous College, Kendrapara during March 13-14, 2022.

Every moment for the existence of living organism in this material world is more or less associated with Chemistry, the basic science dealing with materials and their transformations. All materials we use daily like food, cloth, medicine, fuel, fertilizer, cosmetics etc. result from chemistry. It is impossible to imagine an advanced, comfortable and healthy life without advances in chemistry. A greater understanding of the subject and going for higher research will help in developing novel materials and new technologies to solve various global problems associated with food, water, health, energy, transportations etc.

The Department of Chemistry of Kendrapara Autonomous College, Kendrapara is organising this National Seminar with a motto to discuss Frontier areas in recent chemical research, to create interest and enthusiasm in young people for innovative research. The seminar also aims to address the issues pertaining to chemistry and exploring newer and emerging areas of chemical research like organic synthesis, Nanochemistry, Pharmaceutical Chemistry (drug design and discovery), Organometallic chemistry(Catalysis), Environmental Chemistry and Photochemistry (Study of the Photochemical phenomenon) etc.

The Seminar will allow the participants to interact with distinguished scientists and academicians from different corners of India. Finally, suggestions may emerge out of the deliberations regarding the implementation of the recent research findings in the subject for the betterment of mankind.

I wish to express a sincere thanks and appreciation to one and all.

A handwritten signature in black ink, appearing to read 'Debendra Nath Gochhayat', written over a light gray rectangular background.

(Dr. Debendra Nath Gochhayat)



Dr. P. K. Das
Organizing Secretary

From the Desk of the Organizing Secretary



Chemistry, the basic science dealing with materials and their transformation. occupies a unique position amongst the different disciplines of science. The versatility of the subject lies in the ease with which it forms overlap regions with other disciplines such as biology, pharmacology, material science, engineering etc. The overlap region provides a rich resource for diverse application of science to humanity. The Science of Chemistry and its applications produce medicines, fuels, metals and virtually all other manufactured products. Chemistry meets the global challenges of safe water, eco-friendly products, pollution free environment, healthy food, dependable medicines and advanced materials etc.

*All kinds of advancements in science have been possible through research. Man's unique journey Over the last three hundred years has been characterized by constant research and new discoveries. Yet, newer challenges emerge and confront us. The process is unending and frontiers vast. Hence the task is cut out for our scientists world over. We have the golden and timely opportunity to organize **NSFRCR-2022** to commemorate the contribution of chemistry and the recent trends in chemical research.*

It is heartening to note that about 200 participants including academicians, scientists, researchers and students from all over India are expected to attend the conference. About 15 invited speakers from institutes of National repute have given their consent to discuss various innovative applications of chemistry in the emerging areas.

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(Dr. P. K. Das)

REPORT OF SECRETARY-CUM-TREASURER ORISSA CHEMICAL SOCIETY

Dr. Debasis Mohanty

Head of the Department
Dhenkanal (A) College, Dhenkanal
Secretary-cum-Treasurer,
Orissa Chemical Society
Phone: 9861391190



The Orissa Chemical Society (OCS) is a premier scientific society of Odisha. It was conceptualized in the School of Chemistry, Sambalpur University, in 1985 for the chemistry fraternity and the allied disciplines. In 1986, the Society started functioning with late Prof. Mahendra Kumar Rout as the Founder President. In the last 36 years, OCS has grown in strength, presently with about 1200 Life Members and 200 Patron Members. Founded to enhance the quality of chemistry teaching and research in the state, OCS has attracted many members from inside and outside the state. In recent years, the Society has also caught the attention of chemists from industries to be part of its endeavour. Every year, the Society conducts Regional Conferences and an Annual Conference in different regions of the state. Many young researchers and faculty members contribute to the conference proceedings with oral and poster presentations. Best research papers and doctoral theses are awarded prizes and medals. For the last several years, the OCS has been promoting programs to attract higher secondary students to the fascinating world of chemical sciences by organizing summer camps and Olympiads.

A new Executive Committee was formed for 2022 in MSCB University, Baripada. I have the honour and privilege to be elected as Secretary-cum-Treasurer of this apex scientific society. This year, the Society will be making great strides with the President of the Society, Prof. Surendra Nath Mohanty. At the beginning of the year, the activity of the Society was hit by the pandemic. In its meeting on 20th February 2022, the Executive Committee has prepared its vision and mission document for 2022, starting with the first Regional Conference in Kendrapara

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(Dr. Debasis Mohanty)

EXECUTIVE COMMITTEE OF ORISSA CHEMICAL SOCIETY 2022

President	:	Prof. S.N. Mohanty
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Secretary–cum-Treasurer	:	Dr. Debasis Mohanty
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Joint organising Secretary	:	Dr. Girija Prasad Mishra Lecturer in Chemistry, Kendrapara Autonomous College

**DIFFERENT COMMITTEE FOR THE NATIONAL SEMINAR
ON
"FRONTIERS' IN RECENT CHEMICAL RESEARCH"**

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Mr. Bibhaba Mohanty
Mr. Chandan Roy

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Mr. Manas Ranjan Mishra
Mr. Debendra Kumar Acharya

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