



# NATIONAL CONFERENCE ON MATERIALS, CONDENSED MATTER AND THEORETICAL PHYSICS

Partially funded by DAE-BRNS

20<sup>th</sup> & 21<sup>st</sup> December 2018, Department of Physics

ADP College (Re-accredited by NAAC with "A" grade), Nagaon, Assam

Diamond Jubilee Year, 2018-2019



## INTRODUCTION

The **National Conference on Materials, Condensed Matter and Theoretical Physics** to be organized by the Department of Physics, ADP College (affiliated to **Gauhati University**), Nagaon, Assam, would provide a platform for the researchers of north east and other parts of the country to assemble, discuss their ideas and develop collaborations among participants in all areas of Physics specially researchers working on Materials, Condensed Matter and Theoretical Physics. The format of the proposed conference contains Keynote/Plenary/ Invited lectures to be delivered by senior Scientists from different Premier institutes of the country, which would be of immense help to the scientists of NE Region, especially young researchers of the region.

## ABOUT THE COLLEGE

**Anandaram Dhekial Phookan College (ADP College)** is named after Anandaram Dhekial Phookan, an illustrious son of Assam who struggled hard to establish the excellence of Assamese language. Since its inception on the 7<sup>th</sup> September 1959, the college has been marching ahead in higher education and other activities related to skill. The college is celebrating Diamond Jubilee year in 2018-19. The main goal of the college is to disseminate education in Science and Humanities to meet the needs and aspirations of the people of Assam in general and of Nagaon district in particular. The cherished vision of the College is to make it a seat of excellence and quality education.

The **Department of Physics, ADP College** was established along with the initiation of science stream on August, 1978 under the able headship of **Late Prof. Asraf Ali**, founder Head of the Department. The major course was started in 1986. Today, in the 40<sup>th</sup> years of its existence, the Department attracts students from all parts of the Nagaon district, as well as from other nearby districts like Morigaon, Golaghat and Karbi Anglong. At present there are **06** faculty positions and **02** Laboratory bearers in the Department. The Department is hosting a conference for the very first time.

## ABOUT THE VENUE

ADP College is located in Nagaon (previously Nowgong) which is a city and a municipal board in Nagaon district of Assam. Nagaon is situated 121 Kms east of Guwahati. The Kolong River, a tributary of the Brahmaputra river flows through Nagaon and in the process divides the city into two distinct regions: Nagaon and Haibargaon.

The nearest railway junction is at Chaparmukh which is 28 Kms from Nagaon. The nearest airports are Tezpur Airport and Lokpriya Gopinath Bordoloi International Airport in Guwahati.

## LOCAL ORGANIZING COMMITTEE

Chairman: **Dr. Surajit Kr. Bhagowati**, Principal, ADP College

Co-Chairman: **Mrs. Mina Choudhury**, Vice Principal, ADP College

Convener: **Dr. Lakshmi K. Singh**, Dept. of Physics, ADP College

Co-Convener(s): **Dr. Jayanta Barman & Dr. Bhaskar J. Saikia**, Dept. of Physics, ADP College

## MEMBERS

Prof. Prabir Kr. Baruah, Retired Prof., Dept. of Physics

Prof. Abu Hanifa, Retired Prof., Dept. of Physics

Prof. Debajit Kr. Sharma, Retired Prof., Dept. of Physics

Prof. Kailash Ch. Das, Retired Prof., Dept. of Physics

Prof. Debananda Debnath, Retired Prof., Dept. of Physics

Miss Sneha Das, Dept. of Physics, ADP College

Mr. Swapan Debnath, Dept. of Physics, ADP College

Mr. Jogen Ch. Das, Dept. of Physics, ADP College

Mr. Dhaneswar Saikia, Dept. of Physics, ADP College

Farhana Sultana, SRF, Bio-Tech Hub, ADP College

Head, Dept. of Chemistry, ADP College

Head, Dept. of Mathematics, ADP College

Head, Dept. of Statistics, ADP College

Head, Dept. of Computer Science, ADP College

## NATIONAL ORGANISING COMMITTEE

Prof. P. R. Alapati, Director, GKCIET, Malda, West Bengal

Prof. S. A. Hashmi, Delhi University, Delhi

Prof. (Mrs.) Kalyanee Boruah, Gauhati University

Prof. B. Bhattacharya, Gauhati University

Prof. T. Karlo, NERIST, Itanagar, Arunachal Pradesh

Prof. A. Pandey, NERIST, Itanagar, Arunachal Pradesh

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Prof. J. K. Sharma, Tezpur University, Tezpur

Prof. R. K. Nath, Tripura University, Agartala

Prof. M. P. Bora, Gauhati University, Guwahati

Prof. P. K. Dhar, A. V. College, Guwahati

Prof. T. J. Singh, Manipur University, Imphal

Dr. B. P. Koiry, Tripura University, Agartala

Dr. D. J. Haloi, Bodoland University, Assam

Dr. Simanta Chutia, Anthony's College, Shillong

Dr. Monmoyuri Boruah, Don Bosco University, Guwahati

Dr. R. Biswas, Tezpur University, Tezpur

## NATIONAL ADVISORY BOARD

Prof. K. A. Suresh, Honorary Professor, Centre for Nano & Soft Matter Research, Govt. of India, Bangalore.

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Prof. C. L. Sharma, NERIST, Itanagar, Arunachal Pradesh

Prof. R. Subadar, NEHU, Shillong

## IMPORTANT DATES

Abstract submission: Till **10<sup>th</sup> November 2018**

Acceptance Notification: **20<sup>th</sup> November 2018**

Full paper: Till **30<sup>th</sup> November 2018**

Registration: **On spot**

**Selected full papers will be published in book form with ISBN number.**

## TOPICS COVERED

Condensed Matter Physics  
Nano-science and Technology  
Energy Materials and Dielectrics  
Mineralogy & Bio-Physics  
Experimental Techniques  
Nano-electronic Devices  
Theoretical Physics

REGISTRATION FEES: Faculty: Rs 1200/-, Research Scholars: Rs 800/-

**CO- CONVENER (S)**  
**Dr. Jayanta Barman & Dr. Bhaskar J. Saikia**  
Assistant Professor (s)  
Department of Physics  
ADP College

**CONVENER**  
**Dr. Lakshmi K. Singh**  
Assistant Professor  
Department of Physics  
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