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Dr Rohit Mehra, Department of Physics
Dr Jyoti Bharj, Department of Physics
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Dr Jagwinder Singh, Department of Humanities and Management
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Dr Vikramjeet Singh, Department of Chemistry
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Dr Kiran, Department of Physics
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Dr O P Suthar, Department of Mathematics
Dr Anupam Yadav, Department of Mathematics
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Dr Deepak Bharti, Department of ECE
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Dr Samayveer Singh, Department of CSE

CONTACT:

Dr Harsh Kumar Manchanda
Chairman

1st National Conference on Innovations in Applied Science and Engineering
(NCIASE – 2019)

Email : nciase2019@gmail.com

9876498660, 8360440741, 9888382021, 9888217273

For conference details visit www.nitj.ac.in/nciase2019/

ORGANIZING COMMITTEE

PATRON

Professor (Dr) Lalit Kumar Awasthi
Director, NIT Jalandhar

CHAIRMAN

Dr Harsh Kumar Manchanda
Department of Chemistry

SECRETARY/ CONVENER (S)

Dr R R Sinha Dr Praveen Malik Dr Ashish Raman Dr Aditya Prakash

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Dr R R Sinha : Department of Mathematics
Dr Praveen Malik : Department of Physics
Dr Ashish Raman : Department of Elec. & Communication Engg.
Dr Aditya Prakash : Department of Humanities & Management

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Dr Jaspal Singh Department of Mathematics
Dr Harleen Dahiya Department of Physics
Dr R K Sankaria Department of Electronics & Communication Engg.
Dr Jagwinder Singh Department of Humanities and Management

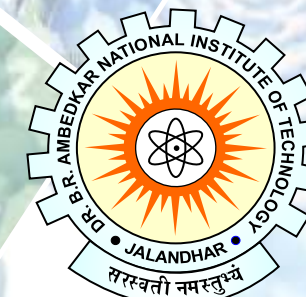
Ist National Conference

on

Innovations in Applied Science and Engineering (NCIASE - 2019)

(April 27-28, 2019)

TEQIP-III Sponsored



Organized by

**Department of Chemistry
Department of Mathematics
Department of Physics**

&

Department of Humanities & Management

**Dr B R Ambedkar
National Institute of Technology
Jalandhar-144011**

www.nitj.ac.in/nciase2019/

WELCOME TO JALANDHAR

Jalandhar, an ancient city in Punjab, ruled by the Hindus and the Mughals in succession, is believed to be the oldest city in Punjab. The city with major road and rail connections, is a market for agricultural products, textiles, leather goods, hand tools, wood products and sporting goods. Jalandhar is a highly industrialized centre being India's chief producer of world-class sports equipment. Popularly called the 'Sports City of India' it not only excels in finest sports industry but also has the distinction of producing some of the best sports persons in the country, especially in the field of Indian Hockey. Jalandhar is also considered a hub for education as many professional institutions are situated in the city. "Pushpa Gujral Science City" situated on Jalandhar-Kapurthala Road is one of the major tourist attractions of the city. It has a very live atmosphere, typical to whole of Punjab. It is situated at a distance of 146 km from Chandigarh and is at a distance of 350 km from New Delhi. Nearest international airport is at Amritsar at a distance of 90 km. Other airports in the vicinity are at Chandigarh and New Delhi.

ABOUT NIT JALANDHAR

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar (erstwhile REC Jalandhar), was established in the year 1987 and attained the status of National Institute of Technology on October 17, 2002. As National Institute of Technology, the Institute has a responsibility of providing high quality technical education in Engineering and Technology to produce competent technical manpower for the country. The institute offers B. Tech. Programmes in twelve disciplines of Engineering and Technology along with the Research Programmes leading to M. Sc, M. Tech. and Ph. D. degrees. The institute has signed Memorandum of Understanding (MoU) with many prestigious Institutes such as Ecole Centrale de Lille, France, University of Johannesburg, South Africa, along with other Universities abroad including UK, USA and Canada for the mutual academic exchange program and further strengthening of the academics and research.

ABOUT THE DEPARTMENTS

The Department of Chemistry, Physics, Mathematics and Humanities & Management offer M.Sc, MBA and PhD programmes in their respective disciplines. The departments are involved in advanced research and other scientific activities on a regular basis. The Department of Chemistry has also been selected as 'DST-FIST' sponsored Department. The departments have the state-of-the-art UG, PG, research facilities and laboratories. The faculty members are actively involved in high value research projects sponsored/funded by DST, CSIR, BRNS, IUAC, DRDO & TEQIP etc. The main aim is to build a rich intellectual potential embedded with inter-disciplinary knowledge, human values and professional ethics among the youth, aspirant of becoming Engineers, Technologists and Managers so that they contribute to society and create a niche for themselves.

OBJECTIVE OF THE CONFERENCE

The primary objective of this National Conference is to provide a platform to scientists, researchers, academicians, industry people and students to contemplate on the ongoing research in applied science and engineering from the perspective of its contribution towards sustainable development and betterment of the society. The deliberations will be aimed at discussing and highlighting the role of current trends in science and technology in meeting global challenges and the emerging scenario vis-a-vis future trends in this direction.

THRUST AREA OF CONFERENCE

Chemical Sciences	Electronics Engineering
Green Chemistry, Ionic liquids, Synthesis and Characterization of Nanomaterials, Nanostructured materials and devices, Energy Materials, Smart and Functional Materials, Chemical Sensors, Analytical Techniques & Spectroscopy, Synthetic & Physical Chemistry, Environmental Chemistry, Chemistry of Energy & Fuels.	Nanoscale semiconductor devices, VLSI circuit design, MEMS, Communication systems, signal processing, Sensor, PV Cells
Physical Sciences	Humanities and Management
Glasses and thin films, Ferroelectrics, Dielectric, Magnetic and optical materials, Nanofluids, Liquid crystals, Polymers, Photonics, High energy physics, Particle physics, Radiation	Language and Policy, Language and Education, English Language Teaching, Technical English in Engg. & Science, English Language and Literature, Language and Politics, Management, Human Resource Management Strategic Management, Business management, operations management, Financial
Mathematical and Statistical Sciences	
Applied Mathematics, Differential Equations, Algebra, Applied Statistics, Inference, Sampling Techniques	

CALL FOR ABSTRACTS

Prospective authors are invited to submit abstracts, which are relevant to the themes of the conference. Authors may submit an abstract limited to 250 words typed in MS Word, Times New Roman, 11 pt font, single spacing with one inch margins on all sides. The corresponding author should be marked with asterisk (*) sign. **The name of the presenting author should be underlined.** The abstracts must include the affiliations of all authors along with email address. The papers will be considered for oral or poster presentations.

Only one author per abstract whose name has been underlined will be allowed to present the paper and get the presentation certificate. Other co-authors, if registered, will get the participation certificate.

The abstracts should be sent to the email: nciase2019@gmail.com

SUBMISSION OF FULL LENGTH PAPER:

Selected full-length papers, in sufficient number from the interested registered participants may be published in SCI/Scopus/UGC indexed Journals/Proceedings after peer review.

Best Paper Award: Best oral and poster presentations shall be awarded.

REGISTRATION FEE

The authors presenting the papers and other who are interested to participate in the conference must register themselves before the last date of registration. Only the registered persons will be given the conference certificates. Registration fee does not include the accommodation charges.

Category	15, April, 2019	Spot Registration
Industry	Rs 6000/-	Rs 7000/-
Academic Institutes / R&D Labs	Rs 4000/-	Rs 5000/-
Research Scholars and Post- Graduate Students	Rs 2500/-	Rs 3500/-
Accompanying Person	Rs 3000/-	Rs. 4000/-

Registration fee includes conference kit, tea, two lunches and one dinner. Accompanying person registration fee includes tea, two lunches and one dinner.

IMPORTANT DATES

Abstract and full length paper submission	31-03-2019
Acceptance notification	05-04-2019
Last date of submission of registration fee	10-4-2019

MODE OF PAYMENT

MODE (1) - THROUGH DEMAND DRAFT

The registration fee (non-refundable) has to be paid in the form of Demand Draft (DD) or through online bank transfer. The demand draft should be drawn from any nationalized bank in favor of "NITJ NCIASE 2019" payable at DR B R Ambedkar NIT Jalandhar.

MODE (2) - ONLINE PAYMENT

Account Name: **NITJ NCIASE 2019**, Account Number: 2945101003930,

IFSC Code: CNRB0002945

MICR Code: 144015011, Name of the Bank: CANARA BANK, Branch: DR

B. R. AMBEDKAR NIT, Jalandhar, Branch Code: 2945

ACCOMMODATION

Limited accommodation (chargeable), preferably to student participants will be provided in the institute hostels on sharing basis. The details of the nearby hotels in the city will be provided to other delegates who are interested to avail the accommodation facility. If available, the accommodation to delegates in the institute guest house may be provided on actual payment basis.



Format for Registration

1ST NATIONAL CONFERENCE
ON
INNOVATIONS IN APPLIED SCIENCE AND ENGINEERING
(NCIASE 2019)
April, 27-28, 2019

NAME (please tick male/ female)	
DESIGNATION	
ORGANIZATION/ INSTITUTE (Govt./Private)	
TITLE OF PAPER	
AREA/ SECTION (Chemical, Physical, Mathematical, Electronics Engg., Humanities)	
MODE OF PRESENTATION (Oral/ Poster)	
ADDRESS FOR CORRESPONDENCE	
MOBILE NUMBER	
EMAIL ADDRESS	
ACCOMMODATION REQUIRED (Yes/No)	
DETAILS OF REGISTRATION FEE	
Amount: Rs.	
Bank name/ Branch:	
Demand Draft No.	
Details of transaction (for online transfer, send a copy of transaction details with registration form) :	
DATE:	
Signature of delegate	
* The scanned copy of duly filled registration form, along with fee receipt should be submitted at nciase2019@gmail.com	
Team	
(1 ST NCIASE 2019)	