

Proceeding of the Conference :

The proceedings of the Conference will be published. The full length paper in duplicate along with a file formatted in AMS latex/ MS word/ Pdf may be submitted during the Conference by November 5, 2016.

Registration fee :

Students	: ₹ 500.00
Research Scholars	: ₹1000.00
Faculty	: ₹1500.00

Local Hospitality:

Each participant and accompanying person will be provided local hospitalities. **Please inform us in advance about your travel programme to facilitate the organising committee and volunteers.**

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INTERDISCIPLINARY NATIONAL CONFERENCE
ON

RECENT TREND OF RESEARCH IN MATHEMATICS AND APPLICATIONS IN DIVERSE FIELD



November 03 – 05, 2016

To be Organised by

Department of Mathematics

T.D.P.G. College, Jaunpur (U.P.) INDIA

(Affiliated to : Veer Bahadur Singh Purvanchal Univesity, Jaunpur)

with collaboration of

Ramanujan Society of Mathematics and Mathematical Sciences

About the Conference :

The well known German Mathematician, H. Hasse in preparing a speech to convey some idea of the “true essence of mathematics”, called mathematics séance art and power. According to him, the criteria of mathematical beauty are “purposefulness” and “elegance”. In fact, any mathematical endeavour which has a 'scientific' and an 'aesthetic' value or develops a “quality technique” or has a bearing on “allied disciplines” must be encouraged and financially supported within our limited resources.

In spite of the basic nature of mathematics as it should be, let us examine and make an appraisal of the limitations of mathematics as well as of its acceptability and use. We are not going to enumerate the up-to-date advances in mathematics but rather to impress how much mathematics should be valued, needed and used in science and arts in the national context. Needless to impress that growth in fruitful mathematical research, over the next decade or so, is going to be the index of the social and technological health of our nation.

(i) Mathematics has been vital to the development of civilization. From ancient to modern times mathematics has been fundamental to advances in science, engineering and philosophy. Developments in modern mathematics have been driven by a number of motivations that can be categorised into the solution of difficult problem and the creation of new theory enlarging the fields of applications of mathematics.

(ii) In the 18th and 19th century mathematical language was vague and did not allow much interaction among mathematicians of different fields. In the period 1950's to 1970's mathematicians concentrated around problems of algebraic topology, algebraic geometry and complex analysis and they developed new concepts and new methods. New powerful mathematical tools were developed and the language of mathematics became highly developed and very powerful. This has had great impact on diverse fields such as number theory, set theory, geometry, topology and partial differential equations. This new approach to mathematics resulted in greater abstraction.

Currently, efforts are being undertaken to facilitate collaborative research across traditional academic fields and to train a new generation of interdisciplinary mathematicians and scientists. Also similar efforts are slowly being introduced in undergraduate and postgraduate mathematics curricula and pedagogy. Disciplines that hitherto hardly used mathematics in their curricula are now demanding substantial doses of knowledge and skills in mathematics. For example the pre-requisites for mathematical knowledge and skills for entry in biological and other life sciences as well as the mathematics content in the university curricula of these programmes is becoming quite substantial.

This conference aims to bring together researcher, academicians, scholars and students to exchange & share their experiences, new ideas and researches about all aspects of Mathematics research in diverse fields. This conference is going to benefit directly to 100 academicians who will attend this conference and indirectly too many people though social media (Advertisement, News papers, Social Sites, proceedings etc.).

About the Host Institution :

The pride of eastern U.P. and one of the premier seat of higher learning of the state. Tilak Dhari College, which was established with 25 students in 1947 at present spread over an area of more than 60 acres with more than 12000 students enrolled in its six faculties including Arts, Science, Agriculture, Law, Commerce and Teachers Training. Named after its revered founder Thakur Tilak Dhari Singh and situated in the southern part of the city adjacent to the reserve police lines

and the roads leading to Varanasi-Allahabad, Sultanpur-Lucknow on one side, to Azamgarh-Gorakhpur on the other and on the third to Varanasi. Tilak Dhari College is a stone's throw from the Bus Station and three and half kms from Jaunpur junction and about 40 Km from Babatpur Airport. Apart from 235 learned Professor national and international repute with a commodious library stocked with about - 1,50,000 books, and some rare manuscripts and over 60 to the latest journals – periodicals and big reading room.

Call for papers :

The organizers of the Conference invite papers for presentation. The abstract not exceeding 200 words intended for presentation should be sent latest by October 20, 2016 preferable by e-mail to

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EXPECTED INVITED SPEAKERS

- Prof. N. K. Thakare (Pune University)
- Prof. A.M. Mathai (CMS, Kerala)
- Prof. R. K. Saxena (JNV, University Jodhpur)
- Prof. K. Srinivasa Rao (IMSC Chennai)
- Prof. A.K. Rathei (Central University, Kerala)
- Prof. R.K. Yadav (Jodhpur University)
- Prof. M. I. Qureshi (Jamia-Milya Delhi)
- Dr. Subhi Khan (AMU Aligarh)
- Dr. Mridula Garg (Jaipur University)
- Dr. B.P. Mishra (Mumbai University)
- Dr. Jay Prakash Yadav (Mumbai University)
- Prof. Satya Deo (HRI Allahabad)
- Prof. M.S.M. Naika (B'lore University)
- Prof. K.C. Prasad (Ranchi University)
- Prof. A. K. Agarwal (Chandigarh University)
- Prof. R.C. Srivastava (Gorakhpur University)
- Prof. M. Azhar Hussain (Bihar University)
- Prof. C. Adiga (Mysore University)
- Dr. K.R. Vasuki (Banglore University)
- Dr. D.D. Somashekara (Mysore Univ.)
- Sr. Sunil Singh (Mumbai University)
- Dr. J. Vasundhara (GVPCE, Viskhapatnam)

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