

National Conference
on
Recent Trends in Pure and Applied Mathematics
December 19, 2017



organized by the
Department of Mathematics
University of Kashmir, Srinagar-190006, J&K
in collaboration with the
Kashmir Mathematical Society

(It may be more important in the mathematics class how you teach than what you teach- George Polya)

Purpose

The Department of Mathematics in collaboration with the Kashmir Mathematical Society-KMS is organizing this event with the aim to expose the students, scholars and young faculty of mathematics by various recent developments and trends in pure and applied mathematics. Such events can benefit the mathematical sciences community by understanding the applications/importance of the subject. It brings leading experts of the subject from around the country and within state to deliver and interact with the local participants. Moreover, the deliberations on research activities in emerging areas will be discussed in this event.

The Conference will include keynote address on the contributions of great Indian mathematician Srinavasa Ramanujan as the national day of mathematics is celebrated annually on December 22. Experts from diverse research fields will deliver lectures on various topics and the participants will be given opportunity to contribute research papers based on their research work. The meeting will also provide an opportunity to establish collaborative research and develop cooperation between the researchers from Universities, Colleges and the various research organizations of the Jammu and Kashmir state.

Main topics

Relevant topics include, but are not limited to:

- Complex Analysis
- Functional Analysis
- Graph Theory
- Mathematical modeling/ Biomathematics

Advisory Committee

Prof. M. A. Sofi (University of Kashmir)
Prof. M. H. Gulzar, Chairman KMS (University of Kashmir)
Prof. N. A. Rather (University of Kashmir)
Prof. S. Pirzada (University of Kashmir)
Prof. W. M. Shah. Vice Chairman KMS (Central University of Kashmir)
Professor B. A. Zargar, Secretary KMS (University of Kashmir)
Dr. M.A. Khanday, Treasurer KMS (University of Kashmir)
Prof. Showkat Ah Zargar (SP College, Srinagar)
Dr. M. A. Mir (University of Kashmir)
Dr. M. I. Bhat (University of Kashmir, South Campus)
Dr. B. A. Bhat (SKUAST-Kashmir)
Prof. Aasia Siddiqui, (JKIMS, Srinagar)
Prof. Tariq Shikari (JKIMS, Srinagar)

Organizing Committee

Prof. M. H. Gulzar (University of Kashmir)
Prof. B. A. Zargar (University of Kashmir)
Dr. M. A. Khanday (University of Kashmir)
Dr. M. A. Mir (University of Kashmir)
Dr. Showkat Ah. Zargar (S.P. College, Srinagar)
Dr. M. I. Bhat (University of Kashmir, South Campus)
Dr. B.A. Bhat (SKUAST-Kashmir)
Dr. Aasma Rafiq (Govt. Hr. S. School, Gund Ganderbal)

About the Department of Mathematics

The Department Mathematics was established in 1958 under the headship of Prof. M. R. Puri, which was later upgraded to the P.G. Department of Mathematics and Statistics when the M. Sc. Degree in Statistics was started in 1988. Subsequently, the Department of Statistics was established as an independent Department in 2004. Over the years, the Department has grown into a center of research both in Mathematics and Statistics where facilities are available for research mainly in the areas of Functional Analysis, Operator Theory, Complex Analysis, Number Theory, Graph Theory, Operations Research and Mathematical Biology. Besides a rich collection of books on diverse areas of contemporary research both in Mathematics and Statistics which are housed in the Departmental Library for which the Department has been receiving generous funding from the National Board of Higher Mathematics under the Department of Atomic Energy (Govt. of India). The Department has presently eight faculty members with specializations in Complex Analysis, Functional Analysis, Graph Theory and Mathematical Biology. The faculty of the Department is engaged with various research projects funded by national level funding agencies including UGC, NBHM, SERB-DST, CSIR etc. In last few years, the Department has successfully organized number of Conferences, workshops and training programmes sponsored by National Centre for Mathematics, Tata Institute of Fundamental Research, National Board for Higher Mathematics, Department of Atomic Energy, Govt. of India etc.

The Department has a good Computer Lab. where computing facilities with Internet are available for use by the teachers as well as by the research scholars and the students. During the M. Sc. Programme, the students are exposed to lectures by world-class mathematicians through mathematical videotapes procured from the American Mathematical Society. In addition, the Department has a rich Library hosting about 7000 books of diverse areas.

The Departmental faculty has published more than 500 research papers and several books on contemporary Mathematics. The Department has earlier also conducted

Summer Schools and Refreshers Courses for the benefit of teachers working in universities and under graduate colleges.

About KMS

The Kashmir Mathematical Society was founded in October 1998. Initially, the society started its mathematical activities under the same title. The Society is mainly dedicated to the cause of promoting mathematics in the Kashmir Valley and for the uplift of mathematics at school and college level. The Society will function under the control of its Executive body.

The need for establishment of the Society has felt mainly when mathematics has degraded in the Valley, as there was no such organization existing in and around the area within the State. The Society shall prove beneficial to the public in general, mathematical community in particular and bring about a new hope in them. It is worth to mention here that last year KMS has been registered with The Mathematical Consortium (TMC) affiliated with the American Mathematical Society. The Mathematics Consortium is a Consortium of Mathematical Societies and Institutions in India and it will also include Mathematical Societies/Institutions from SAARC Countries.

Presently the head office of the KMS is at Department of Mathematics, University of Kashmir, Hazratbal Srinagar. The present executive body is as follows:

1. **Prof. M. H. Gulzar, Chairman KMS**
2. **Prof. W. M. Shah, Vice Chairman KMS**
3. **Professor B. A. Zargar, Secretary KMS**
4. **Dr. M.A. Khanday, Treasurer KMS**
5. **Prof. Aijaz Ah Bhat, Member**

Important Dates/Information for the Conference:

Last date of Registration: December 11, 2017

Amount of Registration: Rs 500/= for Faculty and Rs 300/= for Scholars/Students

Last date of Submission of Abstract: December 11, 2017

Invited Speakers

Prof. Ravi Kulkarni, President TMC

Prof. M.A. Sofi (Former HOD Mathematics, University of Kashmir)

Prof. A. Aziz (Former HOD Mathematics, University of Kashmir)

Prof. S. Pirzada (University of Kashmir)

Prof. M. H. Gulzar (University of Kashmir)

Prof. B. A. Zargar (University of Kashmir)

Dr. M. A. Khanday (University of Kashmir)

Registration

All those who are interested to participate should fill the **Registration Form** and submit it together with the registration fee to the *Organizing Secretary of the event either in person or through email at the following address:*

Dr. M. A. Khanday

Organizing Secretary

Department of Mathematics

University of Kashmir, Srinagar-190006

Email: khanday@uok.edu.in / Mobile: +91-9796715808

Url: maths.uok.edu.in/mak.aspx