

2-Day National Conference on
Emerging Trends in Mathematics- Its Applications
and
Celebration of National Day of Mathematics
(December 15-16, 2020)



Department of Mathematics
University of Kashmir, Srinagar-190006
in collaboration with
Department of Science and Technology,
Jammu and Kashmir Government

Introduction:

The main aim of holding 2-Day Conference on the Emerging trends in Mathematics-Its Applications and Celebration of National Day of Mathematics is to expose the young faculty of the University, Colleges, Research Scholars and other Scientists about the importance of mathematics and its utility in other disciplines. The core objective of the event is to provide scientific knowledge and guidance to the young talent in the discipline of mathematics. So far as mathematics is concerned, it is the language of all sciences. It is applicable in all subjects including life sciences, social sciences, medical sciences and humanities as well. Our target group is research scholars, young colleagues of the colleges, Universities etc. Moreover, the National Day of Mathematics shall be part of this event to celebrate the birth anniversary of S. Ramanujan. We are planning to invite experts from reputed Institutions to deliver plenary and keynote lectures on recent advances in the field of mathematics. The participants can establish research network with the experts and scholars of great repute. Moreover, we shall try to accommodate interested participants (Teachers) from the School education department. It will be a sort of training cum guidance programme to communicate the knowledge of mathematics in the society.

On the eve of National Day of Mathematics, one session of the event is exclusively dedicated on the life history and contributions of great Indian Mathematician S. Ramanujan. The event is partially supported by the J&K Department of Science and Technology.

About the Department:

The Department of Post-Graduate studies in 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 postgraduate classes leading to M. Sc. Degree in Statistics were started in 1988. Subsequently, the Department of Statistics was established as an independent department in 2004. In 2007, the Department has extended masters programmes in Mathematics at South Campus and in 2010 at Govt Degree College, Baramulla. In addition to the intake capacity of 70 students in the main campus of the University, about 65 students get enrolled at South campus and 45 at GDC Baramulla for M.Sc. Mathematics programme each year.

Over the years, the Department of Mathematics 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, Complex Analysis, Graph Theory 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 also has a rich Computer Lab. where computing facilities with internet are available for use by the research scholars as well as by the master's level students.

In the recent past, the Department has conducted many valuable events including the following:

- *Teachers training camp for Regional Mathematical Olympiad, September 10-13, 2013*
- *3-Day Training programme on mathematical modeling in biological systems, April 2-4, 2015*
- *Advanced Instructional School on Naïve Set theory, April 13- May 2, 2015*
- *Research promotion workshop on "Introduction to Graph and Geometric Algorithms", May 18-20, 2015*
- *Instructional School for Teachers on Field Theory, May 2-14, 2016*
- *One-week workshop on Applications of Mathematics, October 5-11, 2016*
- *Recent Trends in Pure and Applied Mathematics, December 19, 2017.*
- *2 Day National Level Workshop on Geometrical Interpretation of Mathematical Concepts, August 28-29, 2018*
- *Organized 4-Day INMO training Camp in collaboration with Homi Bhabha Centre for Science Education, Mumbai and NBHM, December 17-20, 2018*
- *Organized training camp for INMO students in collaboration with Homi Bhabha Centre for Science Education, Mumbai during December 29, 2019 to January 2, 2020.*

Registration Details:

Those who are interest to register can submit their registration form, abstract (if any) along with the prescribed fee on using the link below:

<https://forms.gle/n1Cz54BE8LbtwTau5>

Registration starts from: December 2, 2020

Last Date of Registration and Abstract Submission: December 10, 2020.

Acceptance Notification: December 12, 2020

Registration Fee: Rs 500 (Scholars) and Rs 700 (Faculty)

Date of the Event: December 15-16, 2020

No. of participants to be selected: 30 (offline) and 40 (online).

Payment can be done via Net-banking/m-pay etc modes:

Account Details: **Kashmir Mathematical Society**

Account No.: **0007010100003053**

IFSC: **JAKA0NASEEM**

Jammu and Kashmir Bank, University Campus, Hazratbal Srinagar.

The participants who intend to present their papers in the Conference will be given ten minutes (8+2) in the paper presentation session.

The Department intends to publish the proceedings of the Conference immediately after the event. Limited number of papers after peer review process shall be published in some reputed Journal.

Chief Patron: Prof. Talat Ahmed, Hon'ble Vice-Chancellor, University of Kashmir.

Patron: Dr. Nisar Ahmad Mir, Registrar, University of Kashmir, Srinagar.

Convener: Prof. B. A. Zargar, HoD, Mathematics, University of Kashmir, Srinagar.

Advisory Committee:

1. Prof. Anwar Hassan, Dean, School of Physical and Mathematical Sciences.
2. Prof. B. A. Zargar, Head, Department of Mathematics, University of Kashmir.
3. Prof. N.A. Rather, Department of Mathematics, University of Kashmir.
4. Prof. S. Pirezada, Department of Mathematics, University of Kashmir Srinagar.
5. Prof. M. H. Gulzar, Department of Mathematics, University of Kashmir.
6. Dr. M.A. Khanday, Department of Mathematics, University of Kashmir.
7. Dr. M.A. Mir, Department of Mathematics, University of Kashmir, Srinagar.
8. Dr. Nasir Ahmad Shah, JK Department of Science and Technology.

Resource Persons:

1. Prof. Daniel Breaz, Department of Mathematics and Informatics, University of Alba Iulia, Romania.
2. Prof. C.S. Rajan, School of Mathematics, TIFR, Mumbai.
3. Prof. A.P. Singh, Former Vice Chancellor, Central University of Rajasthan.
4. Prof. P.G. Siddheshwar, Former Head, Bangalore University, Bangaluru.
5. Prof. Amitava Bhattacharya, School of Mathematics, TIFR, Mumbai
6. Prof. M.A. Sofi, Former Dean Academics, University of Kashmir, Srinagar.

Venue of the Programme: Department of Mathematics, University of Kashmir, Srinagar.

Organizing Secretary:

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Co-Organizer

Dr. M. Abdullah Mir

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