## SEMINAR COMMUNICATION

All communications regarding academic aspects may be made to:

**Prof. Rajeev Kumar**;      email: drrajeevmdu@gmail.com

**About registration, accommodation and other local arrangements, please contact**:

### Organizing Secretaries

| | |
|---|---|
| Dr Seema Mehra | Dr Sumeet Gill |
| +91-9729990436 (M) | +91-9255342342 (M) |

Department of Mathematics, Maharshi Dayanand University, Rohtak-124001, Haryana

Email:  nsmsa.mdumaths@gmail.com

### CALL FOR PAPERS

Original research papers are invited for presentation in the seminar. The interested participants may send their abstract (not exceeding 300 words) by email tonsmsa.mdumaths@gmail.com before December 16, 2019. Abstracts selected for presentation will be notified through e-mail by December 17, 2019. The abstract should be prepared using MS-Word and must incorporate the title of the paper, author's name, affiliation, with email address of the corresponding author besides the contents. An asterisk (*) should be put against the name of the presenter. The applications are required to send both the source file and the pdf version of the same.

**Registration Fee**

| Research Scholars/ Students | | 400 INR |
|---|---|---|
| Faculty | Without accommodation | 600 INR |
| | With accommodation | 1200 INR |

**Registration is compulsory for all the participants**. Participants are requested to register well in advance to ensure inclusion.

The Registration fee will be accepted in the form of a Demand Draft drawn in favour of '**NSMSA2019**' payable at Rohtak.

For online Payments, please contact the Organizing Secretaries.

### Important Deadlines

| | | |
|---|---|---|
| Abstract Submission | : | December 16, 2019 |
| Acceptance Notification | : | December 17, 2019 |
| Full Paper Submission | : | December 18, 2019 |
| Registration | : | December 19, 2019 |

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## REGISTRATION FORM

Title of the paper:_____

_____

Name of the participant: Mr./Ms./Dr/Prof. _____

_____

Designation:  _____

_____

Department:  _____

Name of the College/ Organization: _____

_____

Category: Faculty/Research Scholar/Student (please tick)

Address for Correspondence: _____

_____

_____

Contact Number: _____

E-mail: _____

Accommodation Required: Yes/No

**Fee Details:**
- Cash    ● Demand Draft    ● Online Transfer

Amount_____ Date_____

Bank Name_____Branch_____
- DD can be deposited in favor of "**NSMSA2019**" payable at Rohtak.
- Note: Please mention your Name, Address and Contact No. on backside of DD.

Date             Signature of the applicant

Signature & Seal of the Head of the Institution

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**In Commemoration of 132nd Birth Anniversary of Srinivasa Ramanujan**

**Haryana State Council for Science & Technology**

*Sponsored*

## National Seminar
*on*
## 'Mathematical Sciences and Applications'
### (NSMSA 2019)
*on*
### National Mathematics Day

**December 22, 2019**

*Organized by*

### DEPARTMENT OF MATHEMATICS
## Maharshi Dayanand University, Rohtak
**NAAC Accredited A+ State University**
(Established under Haryana Act No. 25 of 1975)

## ABOUT THE HOST UNIVERSITY

Maharshi Dayanand University, Rohtak, named after a great social reformer "Swami Dayanand Ji", was established through an Act of Legislative Assembly of Haryana in the year 1976 with special objective. "To establish and incorporate a teaching cum affiliating University at Rohtak for the encouragement of interdisciplinary higher education and research. It is located 70 kms away from Delhi on NH-10 and is spread in 630 acres of land. During the last 42 years of its existence the University has achieved a remarkable degree of success in its expansion programmes, infrastructural developments and in academic excellence. The university has 12 different faculties with 38 University Teaching Departments in the campus running 159 academic programmes and it has- 284 institutions and colleges affiliated with an enrolment of about 2.5 lacs students.

## ABOUT THE DEPARTMENT

The Department of Mathematics is one of the oldest departments of the M.D. University, Rohtak and was established in the year 1976 under Faculty of Physical Science. The Department is housed in an independent building having good infrastructural facilities with three Computer Labs, two Research Labs; NBHM funded departmental Library, a Seminar Hall and Wi-Fi Connectivity. Over the years, the department has made rapid strides in academics and at present it has more than 550 students distributed over several programs such as M.Sc. Mathematics, M.Sc. Mathematics with Computer Science, 5-Year integrated M.Sc. (Hons) Mathematics, M.Phil. and Ph.D. The department has 16 teachers and 9 supporting staff members. The Department of Mathematics was completed the level of DRS-I under Special Assistance Program for its excellent research and academic activities by UGC in 2017. The Department keeps on organizing conferences/seminars frequently.

## ABOUT THE SEMINAR

The aim of this seminar is to bring new life to teaching and research to apply new tactics one might not have known about before. Thus the Seminar is necessary for popularization and extension of Research and Development in Mathematics.

In particular, the Seminar will deal with various topics including:

- Mathematical Modeling
- Theoretical Seismology
- Mechanics of Solids and Wave Propagation
- Fluid Mechanics and Bio- Fluid Dynamics
- Real and Functional Analysis
- Algebra and Number/Coding Theory
- Applied Mathematics and Computing
- Frames and Operatory Theory
- Statistical Methods and Optimization Techniques
- Operation Research Models
- Fuzzy Mathematics
- Information theory
- Mathematical Sciences in Engineering and Industries
- Soft Computing and Computational Models
- Coding Theory
- Graph Theory
- Information Technology
- Network Security

## LOCAL HOSPITALITY

Registered participants will be provided free seminar kit, lunch and tea/coffee on the day of the Seminar. Lodging and boarding for outstation participants will be arranged in the University faculty house/ guest house/ hostel on request and subject to availability. Those interested in accommodation in city hotels on actual payment basis may request for the same in advance.

*Travel:* Participants should arrange for travel from their own resources.

## ORGANIZING TEAM

**Chief Patron**
Prof. Rajbir Singh
*Vice-Chancellor, M.D.University, Rohtak*

**Patrons**
Prof. Renu Chugh
Prof. J.S. Nandal
Prof. J.S. Sikka
Prof. Gulshan Lal Taneja

**Convenor**
Prof. Rajeev Kumar

**Co-Convenors**
Prof. Dalip Singh
Prof. Archana Malik

**Organizing Secretaries**
Dr Sumeet Gill
Dr Seema Mehra

**Joint Secretaries**
Dr Savita Rathee
Dr Anju panwar
Ms. Ekta Narwal

**Treasurer**
Dr Jagbir Singh

**Organizing Committee Members**
Mrs. Meenakshi
Dr Poonam Redhu
Dr Monika
Dr Sonika
Ms. Neha Phogat