



**National Conference
on
Emerging Strategies in Mathematics for Real World Problems
and
21th Prof. P.D. Verma Memorial Lecture
(NCESMRWP & PDVML- 2017)**

December 23-24, 2017



Organized by

**Department of Mathematics
University of Rajasthan
Jaipur- 302004, India**

ABOUT THE UNIVERSITY

The University of Rajasthan was established in 1947 as multi-faculty University. HE the President of India is the Visitor and HE the Governor of Rajasthan is the Chancellor of this University. The University offers several UG, PG, M.Phil. and Ph.D. programmes and Certificate and Diploma Courses in various disciplines at 37 Departments, 22 Centres and 6 Constituent Colleges besides 1150 Affiliated Colleges. The University was accredited A+ (2004-2009) and grade A (2016-2021) by the NAAC. The University provides state of art research facilities support through UGC-UPE, DST-FIST&PURSE, UGC-SAP Programmes, and research projects funded by UGC, CSIR, DST, DRDO, DBT, BRNS, other agencies and various international collaborations. The University has one of the biggest libraries in India and is treasure trove of rare manuscripts. The university has also marked its imprints in sports.

ABOUT THE DEPARTMENT

The Department of Mathematics, University of Rajasthan established in the year 1960, offers P.G., M.Phil. and Ph.D. Degree programmes. The Department is enriched with NBHM library and well equipped Computer Laboratory set up under FIST program by DST. Recently, Department has been awarded DRS-II under SAP by the UGC for five years (01.04.2015 to 31.03.2020). The Department supports research programmes in varied sub disciplines of Mathematics.

ABOUT JAIPUR CITY

Jaipur, known as the **Pink City** and founded by Maharaja Sawai Jai Singh-II (1693-1743) is the capital of Rajasthan. Jaipur blessed with composite culture is known for its pink houses with latticed windows, historic monuments, jewellery and handicrafts. The city normally experiences rather cold winters during the month of December. It is well connected with the rest of country by rail, road and air. The sites worth visiting are **Amer Fort, Jaigarh Fort, Nahargarh Fort, City Palace, Jantar Mantar, Hawa Mahal, Albert Hall Museum, Galtaji** to name a few.

ABOUT THE CONFERENCE AND MEMORIAL LECTURE

The proposed conference is an attempt to identify frontiers and tools in Mathematics, be it pure or applied, which can be harnessed to address real world problems. To be specific, real world problems in fluid dynamics follow fundamental physical laws and can be simulated mathematically with the help of state-of-the-art analytical/numerical strategies substantiated with software. A great surge of interest has been witnessed among researchers cutting across different realms to exploit the beauty of Mathematics as a designing tool for better understanding of real world and propose /exploit mathematical tools for the same. This conference offers a platform to researchers working in different environments for invited lectures and paper presentations in the domain of Fluid Dynamics, Bio-fluid Dynamics, Computational Fluid Dynamics, Boundary Layer Theory, Magnetofluidynamics, Porous Media, Heat transfer, Algebra, Analysis, Integral Transform, Special Functions, Numerical Techniques, Operations Research, Non-linear Dynamical Systems, Statistical Methods etc. The topics are just suggestive but not limited to.

Professor P.D.Verma Memorial Lecture is organized every year in the Department of Mathematics in memory of Late **Professor P. D. Verma**, an eminent scholar in Fluid Dynamics established a school of Fluid Dynamics in the Department and served the Department for his life time. Prof. Verma obtained his Ph.D. Degree under supervision of **Professor P.L. Bhatnagar, Padam Bhushan**, I.I.Sc. Bangalore. The lecture series in his memory has been a grand success in terms of erudite speakers and audience.

This year, **Professor P. G. Siddheshwar**, Department of Mathematics, Bangalore University, Bangalore-560 056, India will deliver **21st Prof. P.D.Verma Memorial Lecture**.

CALL FOR PAPERS

Original unpublished research papers are invited for presentation in the Conference. Abstract (in MS Word only) should be neatly typed in 1.5 spacing on A4 size paper restricted to a maximum 500 words be sent to the **Convener/Organizing Secretary** latest by **15.12.2017** through e-mail. Last date of submission of registration form with fee and abstract of paper is **15.12.2017**. Abstracts of research papers received after **15.12.2017** will not be considered for presentation.

REGISTRATION FEE

Rs. 1000/- for Students/Research Scholars

Rs. 1500/- for others

Rs. 750/- for Life Members of Prof. P.D.Verma Memorial Lecture

Note-(a) Local participants have to deposit registration fee by Cash only by **15.12.2017**, **(b)** Outside participants have to pay registration fee through "**Demand Draft**" in favour of "**Prof.P.D.Verma Memorial Lecture Fund**" payable at **Jaipur** and **(c)** Invited Speakers are exempted from registration fees.

Accommodation

Accommodation will be arranged to a limited number of outside participants on first-cum-first served basis on their request with registration fee received to **Convener/Organizing Secretary** on or before **15.12.2017**. Request for accommodation received after **15.12.2017** will not be considered and such participants have to make their own stay arrangements.

ADVISORY COMMITTEE

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Shri Deepak Verma, Jaipur

EXPECTED INVITED SPEAKERS

Prof. P. G. Siddheshwar, BU, Bangalore

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Prof. Aseem Miglani, CDU, Sirsa

Prof. C. B. Gupta, BITS, Pilani

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REGISTRATION FORM

NCESMRWP & PDVML-2017
December 23-24, 2017

Name _____ Designation _____

Institution _____

Mailing Address _____

E-mail _____ Mobile _____

I intend to attend National Conference on **Emerging Strategies in Mathematics for Real World Problems and 21th Prof. P. D. Verma Memorial Lecture (NCESMRWP & PDVML- 2017)**

Presenting a Paper: Yes/No

If yes, title of the paper _____

Abstract of the paper enclosed: Yes/No

Delivering an invited talk: Yes/No

If yes, title of the talk _____

Accommodation required : Yes/No _____

No. of accompanying persons _____

Date and time of arrival _____

Registration Fee (including accompanying person, if any) paid by Cash Rs. _____
or through DD No. _____ Dated _____ Amounting
Rs. _____ Bank _____ payable at Jaipur.

Signature