

Brief Report
on
National Workshop on Analysis, Differential Equations
and Applications (NWADA-2016)

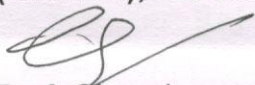
Organized by
Department of Mathematics and Statistics, Mohanlal Sukhadia University,
Udaipur (Rajasthan)
(25 -27 February, 2016)

The three days National Workshop on Analysis, Differential Equations and Applications was organized by Department of Mathematics and Statistics, Mohanlal Sukhadia University, Udaipur (Raj.) from **25-27 February 2016**. It was sponsored by **NBHM** and **UGC**. An abstract book of the papers was published. A total of **157** mathematicians including **65** students of P G Classes attended the workshop out of which **15** were the resource persons from Delhi, Bangalore, Gulbarga (Karnataka), Pune, Patiyala, Jaipur and Noida. There were **1** Inaugural talk (50 minutes), **6** invited talks (45 minutes) and **8** short talks (25 minutes) were given by the resource persons. Besides this **52** research papers were presented orally during the workshop. The aim of the workshop was to motivate the Indian researchers to work on various aspects of Analysis and to promote the interaction among researchers (especially young) of our country to explore new ideas in the field and may be to take initiative for some collaboration with the experts of these areas.

It was the opinion of the resource persons and participants that such Workshops should be organized at regular intervals for the benefit/enrichment of young scientists, researchers and teachers working in these area and allied areas. It will provide an ample opportunity to the young researchers working in these/ related fields to interact with experts working in these area and upgrade their knowledge and skills.

After the successful completion of **National Workshop on Analysis, Differential Equations and Applications (NWADA-2016)**, the interested resource persons and

the participants who have presented research papers during the workshop were invited to submit their work for publication in the proceedings. The submitted papers will be reviewed, compiled and published in the form of proceeding. The papers have been published in basic sciences journal called "**Journal of Chemical, Biological and Physical Sciences**". The journal is indexed by **Google Scholar, Directory of open Access journals, Index Copernicus, ISI etc.** After consultation with various experts working in these areas, the organizing committee has decided to organize the **National Workshop on Analysis, Differential Equations and Applications (NWADA), in February 2019.**



Prof. Ghanshyam Singh Rathore
Head & Convener of the Workshop

List of the Invited Talks Held During The Workshop

1. **Speaker: G Rangarajan (IISc., Bangalore)**
Title: Applications of Granger Causality to Neuroscience
2. **Speaker: R S Tikekar (IUCAA,Pune)**
Title: The Role of Exact Solutions of EFEs in General Relativity Theory
3. **Speaker: S. K. Kaushik (Delh)**
Title: Nonlinear approximations using Frames
4. **Speaker: V.P. Rathod (Gulburga)**
Title:Mathematical Modelling with Applications to the Differential Equations
5. **Speaker: Raj Bali (Jaipur)**
Title: Applications of Differential Equations in General Relativity and Cosmology
6. **Speaker: Khalil Ahmad (AMU)**
Title: Wavelets and its Applications
7. **Speaker: Sumit Kumar Sharma (Delhi)**
Title: Frames and Applications
8. **Speaker: Varinder Kumar (Delhi)**
Title: On Fusion Frames & Related Concepts in Banach Spaces
9. **Speaker: Gumeet Singh (Patiala)**
Title: Coefficient Inequality for Class of Functions Related with n th Derivative.
10. **Speaker: Shashank Goel (Noida)**
Title: On Algebra of G-frames in Hilbert Spaces
11. **Speaker: Lalit Kumar Vashisht (Delhi)**
Title: Discrete Frames of Translates in C_N
12. **Speaker: Hemant Kumar Singh (Delhi)**
Title: Action of Sphere Groups on Certain Spaces
13. **Speaker: Virender (Delhi)**
Title: On Localization of Frames
14. **Speaker: Chander Shekhar (Delhi)**
Title: Operator Banach Frames in Banach Spaces
15. **Speaker: Vikram Agrawal (Punjab)**
Title: Coefficient Inequality for a combined subclass of Starlike and Inverse Starlike Classes of Analytic Functions