International Conference on

New Frontiers in Mathematics

and

Symposia on

I-function and its Applications

&

Mathematics in Data Science

On the occasion of Silver Jubilee Year of Gwalior Academy of Mathematical Sciences

December 11-13, 2018

Jointly Organized by

School of Mathematics & Allied Sciences, Jiwaji University, Gwalior and The Mathematics Consortium (India)

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Symposium on Mathematics in Data Science

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Symposium on I-function and its Applications
In honour of Professor V. P. Saxena

Prof. M A Pathan	Symposium Convener

General Information

The School of Mathematics and Allied Sciences (SOMAAS), Jiwaji University , the Gwalior Academy of Mathematical Sciences and The Indian Mathematical Consortium are jointly organizing the Silver Jubilee year International Conference along with two symposia on "I-function and its Application" and "Mathematics in Data Science" December11-13, 2018.
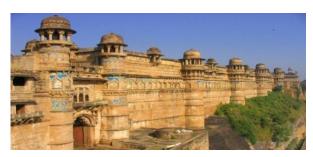
About Gwalior

Gwalior is an ancient and historically important city in the central Indian state of Madhya Pradesh. It lies 317 km south of New Delhi and is on a major railway route. The former capital of State North Madhya Pradesh, the city has been acclaimed as one of the seventh largest hubs for technical and professional education in India. The city and it fortress have served as the center of several historic northern Indian kingdoms. It also has the credit of having the record of earliest inscribed zero which is situated in the Chaturbhuj temple at the Gwalior fort. The Township creates an ambience of rich traditions blended with modernity, information technology and culture. The academic interaction can take place at various renowned Universities including Jiwaji University, Lakshmibai National University of Physical Education, Rajmata Vijyaraje Scindia Agriculture University, Raja Man Singh Music and Arts University and renowned institutions like Defense Research Development Establishment, Indian Institute of Information Technology and Management, Indian Institute of Travel and Tourism Management.

Zero of Gwalior

Chaturbhuj Temple

Gwalior Fort

About Jiwaji University

Jiwaji University is a NAAC accredited 'A' grade University which occupies central position in this great educational hub. It was established as a teaching and affiliating University on 23rd May 1964. Dr. Sarwapalli Radhakrishanan, the then President of India, laid the foundation stone of the University Campus on 11th December, 1964. Right from its inception, Jiwaji University started with a status of a residential and an affiliating University. The territorial jurisdiction of the affiliation extends to six districts of Gwalior and Chambal Division, viz., Gwalior, Morena, Bhind, Guna, Shivpuri anmd Datia. To begin with, the University had a total of 29 affiliated colleges, which have steadily increased to more than 400 colleges.

About GAMS

The Gwalior Academy of Mathematical Sciences was launched in December 1993 by researchers of Gwalior with Prof. Vinod P. Saxena as its founder President. Besides publishing "GAMS Journal of Mathematics & Mathematical Biosciences", it holds annual conferences, workshops and other research level programs every year. It has organized six International Conferences so far. In this Silver Jubilee year, the International conference of GAMS is being organized at its birth place, the Jiwaji University, Gwalior.

The present office bearers are as follows:

Prof. Renu Jain	:	President
Dr. K R Pardasani	:	Vice President (I)
Dr. Amit Parikh	:	Vice President (II)
Dr. V H Pradhan	:	Secretary
Dr. D B Gurung	:	Jt. Secretary (I)
Dr. Padam Sharma	:	Jt. Secretary (II)
Dr. Nitin Merh	:	Treasurer

Executive Committee members:
Prof. Karmeshu, Prof. V P Saxena, Dr. H C Jain, Dr. J Dhar, Dr. M A Khanday, Dr. Arun Tripathi, Dr. Neeta Mazumdar, Dr. R C S Chandel.

About TIMC

The Indian Mathematics Consortium (TIMC) was launched in 2014 to provide a federal body of the Societies, Associations and similar forums of Mathematical Sciences in India, involved in research, teaching and allied activities.
The founder office bearers were:
Prof. Ravi Kulkarni (President), Prof. Karmeshu (Vice President), Prof. V P Saxena (General Secretary), Dr. S A Katre (Treasurer),
At present more than fifteen National Societies and Institutions are its members besides hundred Associate members.

Goal of the Conference

The aim of the conference is to bring together researchers in life sciences, engineering, mathematics and management from all over the world and expose them to different aspects of mathematical modeling and simulations through invited lectures and paper presentations. The three days International Conference will be a platform for enriching the mathematical flavor and discussion on new thoughts and ideas in various fields. The day to day program will be designed to be interactive with the help of theoretical sessions including panel discussions, invited lectures and paper presentations in a wide range of topics including:

- Mathematical Ecology and Epidemiology
- Mathematical Modeling
- Physiological heat transfer
- Bio fluid dynamics
- Air pollution Modeling
- Fractional Calculus
- Lie Theory
- Differential Equations
- Special functions
- Bioinformatics
- Data Mining
- Soft Computing
- Artificial Intelligence

About the symposium

Prof. V.P. Saxena

The symposium on " I function and its applications" will be held in honour of Prof. V.P. Saxena, who has completed 75 years of active life. It will cover topics in different analytical aspects of I-function and applications. The I function introduced by Prof. Saxena is regarded as the most generalized hypergeometric function of one variable.
Another symposium on "Mathematics in Data Science" will be held with a view to explore and promote the opportunities for application of Mathematics in data sciences.

Young Scientist Awards

There will be three Young Scientist Awards one each for best paper presentation in the conference and the two symposia. The candidates up to the age of 35 years on 31st December 2018 will be eligible for consideration of Young Scientist Awards. The candidates who wish to be considered for the Young Scientist Awards should indicate on the top of the paper "**For Consideration of Young Scientists Award**" and send their abstracts and full length papers to the Convener by 31st October 2018. The papers will be reviewed by the screening committee to select the paper for presentation in the Award Sessions. The candidate must produce appropriate document for proof of age at the time of registration. In addition there will be two more awards for this Silver Jubilee year of the academy. One for the best paper publication on I functions till 31st October 2018.The GAMS also announces an award for outstanding work on analytic aspects of I-functions including existence conditions, differential equations. The unpublished work can also be considered for this award.

Proceedings of the conference

The Proceedings of the Conference will be published. The full length paper in triplicate along with a file formatted in AMS Latex /MSWord may be submitted by Dec.31, 2018.

Registration Fee

Participants (faculty):	Rs.2500
Research scholars	Rs. 2000
GAMS members	Rs.2000
Local participants:	Rs.1500
Accompanying Person:	Rs.2000
Foreign delegates:	US$200

The Registration fee should be paid by demand draft drawn in favour of Registrar, Jiwaji University, and Gwalior payable at Gwalior. Registration form along with Registration fee must reach the Convener latest by 31st October2018 so as to enable the organizers to make proper arrangements. The Registration fee includes boarding and lodging which will be arranged on the campus of the University in Hostels and Guest Houses. The Hotel accommodation will be available with advance payment of hotel rent to the organizers before 31st October 2018.Tariff of some of the hotels in Gwalior is available on the MP Tourism website.

Travel and Local Hospitality

Accommodation
Accommodation will be provided to participants on request in University guest house / hostel. Request may be forwarded to the Convener/Organizing Secretary latest by 31st October, 2018.
Travel
Gwalior is well connected by road, rail and air. It is an important station of North Central Railways. Almost every train stops at Gwalior. The Railway Station and Bus Stands are at a distance of 4 km from University. Although the arrangements will be made to receive all the delegates but if missed they may reach on their own directly to the Guest house of Jiwaji University.
A one day trip on 14th December 2018 to Agra/Orchha may be arranged on request. The conference information is also available at Jiwaji University website www.jiwaji.edu.

Contact Person:
Prof. Renu Jain
Conference Chair, GAMS-2018,
School of Mathematics and Allied Sciences
Jiwaji University, Gwalior, M.P., INDIA
Contact: 0751-2442747, 9425122844
E-mail: renujain3@rediffmail.com

Registration Form

Name------------------------------- Designation--------------------

Affiliation---

Mailing Address--

Mobile No.---------------------------------Telephone.----------------

Email Id---

Title of talk/contributory paper---------------------------------------
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Accommodation required: Yes/No

Accompanying person (if any)

Details of the D.D.: Amount: Rs-------------
No:_____Date: _____Issuing Bank _____

Signature of the delegate
(DD should be in favour of **The Registrar, Jiwaji University** payable at Central Bank of India, Jiwaji University, Gwalior (M.P.)