

National Conference

on

MATHEMATICAL MODELLING, OPTIMIZATION

and

SCIENTIFIC COMPUTING

23rd February, 2019



Organized by
DEPARTMENT OF MATHEMATICS
Hindu Girls College, Sonipat

In collaboration with
Global Society of Mathematical and Allied Sciences

Sponsored by
Director General Higher Education, Haryana



Venue:

Department of Mathematics
Hindu Girls College, Sonipat, Haryana

www.hgcsonepat.com | Ph.: 0130-2241546, 2247248

Sonipat- The Host City

Sonipat (founded as Swarnparastha -“The Golden City”) is one of the districts of Haryana state and falls within National Capital Region (NCR) of Delhi. It is situated about 20 kms from Delhi on Delhi- Chandigarh National Highway (NH1). Sonipat is both connected by rail as well as road. The nearest airport is Indira Gandhi International Airport (IGI) in Delhi. The city combines rich past with pulsating present and bright future. It is the education hub of the state with the presence of some of the major educational institutions having excellent facilities in all fields of knowledge. The climate of the city in February is pleasant. The temperature is around 20 degrees centigrade.

About The Host Institution

Affiliated to Maharshi Dayanand University Rohtak, Hindu Girls College is one of the premier and leading institutions of Haryana. It has an excellent track record of exemplary achievements in the fields of academics, sports and cultural activities. The institution continues to serve the country and society by providing exemplary academicians, teachers, thinkers, doctors, engineers, administrators, scientists, sports persons etc. The crusade for excellence continues.

Hindu Girls College was started as the girl's wing of Hindu College, Sonipat in 1958 with the intention of imparting quality education to girls of the region. Subsequently, it acquired a separate entity in 1982. With the passage of time, it came out of the shadows of its more prestigious boy's wing and developed into a Post Graduate College. At present, it is a multi faculty institution with Science, Arts and Commerce faculties running full-fledged post graduate courses. Keeping pace with modern technological advancements around the globe, facilities for elementary and advanced computer learning have been introduced along with some vocational courses under UGC schemes. For more information, please visit our website: www.hgcsonapat.com.

Global Society of Mathematical and Allied Sciences

The need of a forum for exchanging and expressing views regarding recent developments in Mathematical and Allied Sciences was realized by groups of Mathematicians,

Statisticians, Physicists, Computer Scientists, Medical Professionals, Engineers, Management Experts and other professionals from India and abroad. With this objective in mind, the GLOBAL SOCIETY OF MATHEMATICAL AND ALLIED SCIENCES came into existence in 2005. The society promotes collaborative research in Mathematics and Allied Sciences. The society organises series of lectures and seminars for young scientists to make them aware of recent advances in science and technology. The society believes that knowledge of Mathematical and Natural Sciences so gained by interaction, experiences and practices can be applied to develop ways even under techno-economic constraints, for the benefit of mankind.

Some other activities of the society are:

Dr. Manohar Ray Memorial Lecture during the conference.

Special lectures by eminent mathematicians from abroad.

Workshops on recent advances in Mathematics, Science and Engineering.

About the Conference

The main objective of MOSC-2019 is to provide a common platform for researchers, scientists, engineers, biotechnologists and other interested professionals throughout the country to interact and present their latest findings, ideas, developments and applications covering different aspects of Mathematical Sciences.

The conference will deal with various topics that include:

- (i) Modelling and Simulation in various areas of science and technology.
- (ii) Computer based applications in science and technology.
- (iii) Operations Research
- (iv) Industrial Mathematics
- (v) Quantitative Studies in Business Management
- (vi) Recent developments in Biomathematics, Biophysics, Biostatistics and Microbiology.
- (vii) Role of Mathematics in Pharmaceutical Sciences
- (viii) Flow Sciences
- (ix) Geophysics and Earthquake Engineering
- (x) Mathematical Analysis
- (xi) Numerical Solutions of Differential Equations Other related fields
- (xii) Other related fields.

Call for Papers

Original research papers are invited for presentation in the conference. The interested participants may send their abstracts (not exceeding 300 words) by email to mosc2019@gmail.com before 15/01/2019. The abstracts should be prepared in MS-Word and must mention the TITLE OF THE PAPER, AUTHOR'S NAME, HIS/HER AFFILIATION, EMAIL ADDRESS OF THE AUTHOR besides the CONTENT. An Asterisk (*) should be put against the name of the presenter. The applicants are requested to send both the source file and its pdf version.

Registration Fee

Research Students	INR 500
Faculty Members	INR 700
Accompanying Person	INR 500

At the time of registration, Full Paper is compulsory to be submitted (Soft and Hard Copy both in prescribed format). The failures will not be allowed to present the paper.

Important Deadlines

Abstract Submission	15/01/2019
Full Paper Submission	23/02/2019
Publications of Proceeding	End of April*

* The papers will be reviewed by a panel of experts, the selected papers will be published in the proceedings and the same will be posted by speed-Post.

Speakers who have consented

- o **Prof. G.C. Sharma**, Former Pro VC, Agra University, Agra
- o **Prof. S. C. Agrawal**, Former Head, Dept. of Mathematics, C.C.S. University, Meerut
- o **Prof. Madhu Jain**, Dept. of Mathematics, IIT, Roorkee
- o **Prof. Renu Chugh**, Dept. of Mathematics, MDU, Rohtak
- o **Prof. S.C. Malik**, Head, Dept. of Statistics, MDU, Rohtak
- o **Prof. Kusum Agrawal**, Former Prof., Dept. of Biotech., Shobhit University, Meerut
- o **Prof. Harish Taneja**, Dean Academics (PG), DTU, Delhi
- o **Dr. Piyush Kuchhal**, Dept. of Physics, U.P.E.S., Dehradun

The Conference Organization

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Sh. Pawan Gupta, President, Governing Body, Hindu Girls College, Sonipat.

Patron

Dr. R.K. Gupta, Principal, Hindu Girls College, Sonipat.

Prof. G.C. Sharma, Former Pro VC, Agra University, Agra.

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- o **Prof. S.C. Malik**, Head, Dept. of Statistics, MDU, Rohtak
- o **Dr. Piyush Kuchhal**, Dept. of Physics, U.P.E.S, Dehradun
- o **Dr. Anand Sharma**, A.D.Y.W. (Retd.) M.D.University, Rohtak

About registration, accommodation & other local arrangements, please contact:

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Hindu Girls College
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PARTICIPANT'S REGISTRATION FORM

**NATIONAL CONFERENCE
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23rd FEBRUARY 2019**

Name: Sex(M/F).....

Designation:..... Date of Birth

Affiliation:

Mailing address:

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Telephone: (Off.)..... (Res.).....

E-mail:

Accompanying persons (Give Name and Relationship with each):

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Payment Details (Please include charges for each accompanying person):

DD/Local Cheque No.....

Dated Amount.....

Bank on which drawn:

Title of the Talk/Paper to be presented:

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Declaration : This paper has neither been published earlier nor submitted for publication in any conference/Seminar/Symposium.

Place:

Date:

Signature:

**NATIONAL CONFERENCE ON MATHEMATICAL MODELLING,
OPTIMIZATION AND SCIENTIFIC COMPUTING**

MOSC - 2019

February 23, 2019

Book Post



From :

Dr. Rachana Gupta

Convenor MOSC -2019

Head, Dept. of Mathematics,

Hindu Girls College,

Sonipat (131001) Haryana

M. : 8398823535

PIN