



Interdisciplinary Science Conference-2008
 on
 "Mathematics in Biology"
 4th December 2008
 Venue: FTK-Centre for Information Technology,
 JMI, New Delhi-110025

Organized by

Centre for Interdisciplinary Research in Basic Sciences
 Jamia Millia Islamia, New Delhi- 110025.

Dear Colleagues:

UGC gave a special grant for establishing a new research centre with an objective of providing a common platform for the researchers from the various fields of basic sciences, who are interested to implement their ideas to solve different biological problems. For example, there are plenty of problems which biology and mathematics have to offer each other. Same is true for chemistry, computer science and physics. Therefore, CIRBSc is trying to bridge up the gap between biologists and people from other disciplines.

It is an honor and pleasure to invite you to the Interdisciplinary Science Conference-2008, (ISC-08) on "Mathematics in Biology", to be held on 4th December, 2008 at Jamia Millia Islamia, New Delhi. Biology will inspire and motivate mathematics in the years to come, as much as physics has done many centuries. The interface between mathematics and biology has initiated and fostered new mathematical areas. This highlights areas of mathematics that have been influenced greatly by biological thinking in the past, and presages future developments by identifying some areas of biology that will require the development of new mathematical tools.

The application of mathematics to biology has considerable effects on the development of new areas of mathematics. Interactions of mathematics and biology can be divided into three categories: Firstly, it involves routine application of existing mathematical techniques to biological problems. Such applications influence mathematics only when the importance to biological applications provokes refinements and further mathematical developments, an inherently slow process. Secondly, existing mathematical methods are inadequate, and new mathematics must be developed, within conventional frameworks.

Finally, some fundamental issues in biology appear to require altogether new ways of thinking quantitatively or analytically.

A scientific program is being planned by the Organizing Committee in consultant with the Advisors, which consists of an exciting series of invited talks delivered by eminent scientists. This will provide a common platform to scientists working in different field to have fruitful interactions. Detailed scientific program is given on page 4. This conference will be fruitful to fulfill the aim and scope of the centre.

Professor Faizan Ahmad
 Chairman

Registration details

The registration forms should be filled and submitted to the organizers by hand or post with registration fees.

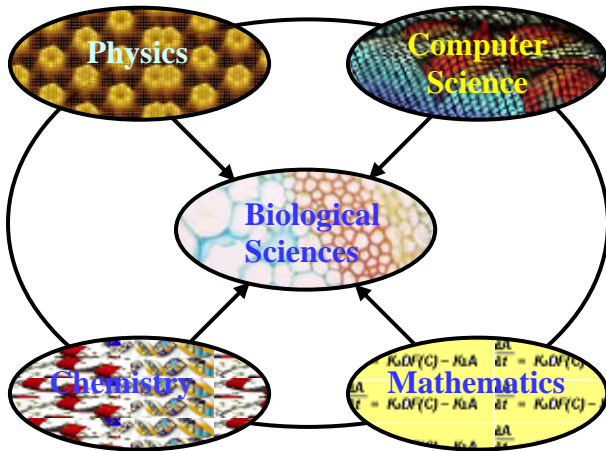
Since number of participants will be limited, selection will be based on the **first come first serve** basis.

Category	Amount (Rs)	
	Upto 21 st Nov 2008	With late fees
CIRBSc students	200	250
Other students/ Research Scholars	250	300
Faculty members	300	400
Industrialists	500	600

Registration fees can be paid by cash or by DD in favor of Registrar, JMI, at the office of the centre.

Note: The registration fee includes abstracts, folders, lunch and tea.

Certificates shall be given only to the registered participants.



Model of the proposed building of CIRBSc.

Scientific Program

09.30 A.M.- 10.00 A.M.	Registration
10:00 A.M.- 10.30 A.M.	Welcome address by the Director
Session I- Chairperson: Dr. Mohd Abbas	
10.30 A.M.- 11.30 A.M.	Prof. Karmeshu JNU, Delhi
11.30 A.M.- 12.30 P.M.	Dr. Mohd Saleem AMU, Aligarh
12.30 P.M.- 02.00 P.M.	Lunch
Session II- Chairperson: Prof. Karmeshu	
02.00 P.M.- 03.00 P.M.	Prof. Peeyush Chandra IIT, Kanpur
03.00 P.M.- 04.00 P.M.	Dr. Mohd Abbas CDRI, Lucknow.
04.00 P.M.- 04.15 P.M.	Vote of Thanks
04.15 P.M.	Tea

Name of the speaker and title of the talk

1. Prof. Peeyush Chandra: *Some Simple Models in Epidemiology.*
2. Dr. Mohd Saleem: *Some Contributions of Mathematics in Biology*
3. Prof. Karmeshu: Awaited
4. Dr. Mohd Abbas: *Mathematics & its Application in Microbiology.*

Chief Patron

Prof. Mushirul Hasan
(Vice Chancellor, JMI)

Chairman

Faizan Ahmad
Prof. & Director
(CIRBSc., JMI)

Advisors

S. E. Hasnain (VC, Hyderabad Univ.)
T. P. Singh (AIIMS, Delhi)
Shahid Jameel (ICGEB, Delhi)
Sher Ali (NII, Delhi)
M. R. Khan (JMI, Delhi)
Mohd Sami (JMI, Delhi)
Rajiv Bhat (JNU, Delhi)
D. P. Sarkar, (DU, Delhi)
J. K. Batra (NII, Delhi)
Punit Kaur (AIIMS, Delhi)
Z. H. Khan (JMI, Delhi)
Mohammad Miyan (JMI, Delhi)
S. M. Sajid (JMI, Delhi)
Khurram Mustafa (JMI, Delhi)
Anisur Rehman (JMI, Delhi)
N. U. Siddiqui (JMI, Delhi)

Organizing Secretaries

M. A. Khan
Asimul Islam

Organizing Committee

Zubaida Ansari
S. N. Kazim
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S. C. Thakur
Shama parveen
Romana Ishrat
Imtaiyaz Hassan
S. M. K. Haider

Treasurers

R. K. B. Singh
Mukesh

Registration Form

Interdisciplinary Science Conference-2008)
On
"Mathematics in Biology"
(December 4, 2008)

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

Category: Academic/Industry/Govt/Student/

Designation: _____

Affiliation: _____

City / State: _____

Address for correspondence: _____

Tel.: _____ Fax: - _____

E-mail: _____

Cash Receipt / DD No. _____

Choice of food: Veg. / Non-Veg.