

India Symposium

An India Symposium will be held on the first day of the TWOWS conference on *'Impact of Women's research in Science and Technology in the new millennium'*. The Symposium will showcase the work done by young Indian Women Scientists in different branches of Science and Engineering, at a wide spectrum of Research Institutes, Universities and Indian Institutes of Technologies and will also present a picture of the current situation in Gender Issues in Indian Science. Thus one part of the India Symposium will consist of presentations made by various young women scientists and the other part will consist of a panel discussion on Gender Issues. The panel will consist of a few persons in decision making positions, a few senior women scientists of high repute and achievements, some of whom have also given time and thought to gender issues in Indian Science and a few young women scientists as well who will give a perception of those who are entering the field now. The panel discussion is scheduled in the pre lunch session of the India Symposium which will start at 9.00 a.m. We envisage a talk by each panelist for about 5-7 minutes, followed by a discussion and then a summary by the moderator of the panel discussion. We hope that the panel discussion will conclude in making some recommendations arising out of this conference.

The list of the confirmed Speakers and Panelists is given below:

Speakers:

1. Dr. Anuradha Lohiya : Department of Biochemistry, Bose Institute, Kolkata
2. Dr. Aruna Dhathathreyan : Central Leather Research Institute, Chennai
3. Dr. Charusita Chakravarty : Dept.of Chemistry,Indian Institute of Technology, Delhi
4. Dr. Madhubala Rentala : School of Life Sciences, Jawaharlal Nehru University, New Delhi
5. Dr. Rama Govindarajan : Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore
6. Dr. Sudeshna Sinha : Institute of Mathematical Sciences, Chennai
7. Dr. Shikha Verma : Institute of Physics, Bhubaneswar
8. Dr. Vandana Nanal : Department of Nuclear and Atomic Sciences, Tata Institute of Fundamental Research, Mumbai
9. Dr. Veena K Parnaik : Centre for Cellular and Molecular Biology, Hyderabad
10. Dr. Vijayalaxmi Trivedi : Department of Mathematics, Tata Institute of Fundamental Research, Mumbai
11. Dr. Vijaya S : Microbiology & Cell Biology Unit, Indian Institute of Science, Bangalore

Panelists:

1. Dr. Archana Bhattacharya : Director, Indian Institute of Geomagnetism, Mumbai
2. Dr. P. Balram : Director, Indian Institute of Science, Bangalore
3. Dr. Shobo Bhattacharya : Director, Tata Institute of Fundamental Research, Mumbai
4. Dr. Prabha Chatterjee : John F Welsh Tehcnology Centre, Bangalore
5. Dr. Manju Sharma : Ex Secretary, Department of Biotechnology, Delhi, India
6. Dr. Rohini M. Godbole : Indian Institute of Science, Bangalore
7. Dr. Sumati Surya : Raman Research Institute, Bangalore
8. Dr. Vineeta Bal : National Institute of Immunology, Delhi

**TWOWS Conference & Third General Assembly
21-25, November 2005**

**India Symposium
Satish Dhawan Auditorium(CSIC), IISc, Bangalore**

November 21, 2005

- (1) *Showcasing the work done by Indian Women Scientists*
(2) *Panel Discussion on Gender Issues in Indian Science*

Program:

- 09.00 a.m. – 09.10 a.m. : *Welcome and Introductory Remarks*
- 09.10 am. – 10.50 a.m. : *Presentations by Indian
Women Scientists*
- 10.50 a.m. - 11.10 a.m. : *Tea Break*
- 11.10 a.m. - 01.15 p.m. : *Panel Discussion*
- 01.15 p.m. - 02.30 p.m. : *Lunch Break*
- 02.30 p.m. - 04.30 p.m. : *Presentations by Indian Women Scientists*
- 04.30 p.m. – 04.40 p.m. : *Vote of Thanks*
- 4.40 p.m. : *High Tea*

Detailed Programme

21.11.05 – Monday

Session I (9.00am – 1.15pm)

- 09.00am - 09.10am : **Welcome**
Dr. Rohini M Godbole, IISc, Bangalore
- : **Introductory Remarks**
Dr. V. Krishnan, JNCASR
- Presentations (5)**
- Chair* : **Dr. Vijayalaxmi Ravindranath, NBRC, Manesar**
- 09.10am – 09.30 am : **Dr. Anuradha Lohiya**
Understanding the Biology of Neglected Diseases in Developing Countries
- 09.30am – 09.50 am : **Dr. Aruna Dhathathreyan**
Lotus Leaves to Laminin Peptides - Facets of Surface Tension
- 09.50am - 10.10am : **Dr. Charusita Chakravarty**
Melting and Crystallisation: Computer Simulation Studies
- Chair* : **Dr. Ashima Anand, VP Chest Inst. New Delhi**
- 10.10am -10.30am : **Dr. Madhubala Rentala**
Chasing Black Fever: A Neglected Disease
- 10.30am - 10.50am : **Dr. Rama Govindarajan**
Unstable Fluid flows and the Transition of Turbulence
- 10.50am - 11.10am : **Tea Break**
- 11.10am - 1.15pm : **Panel Discussion**
(short presentations by panelists followed by a discussion)
- Panel Chairperson: Dr. Manju Sharma, New Delhi*
- Panelists:*
Dr. Archana Bhattacharya, Dr. P. Balram, Dr. Shobo Bhattacharya,
Dr. Prabha Chatterjee, Dr. Rohini M. Godbole, Dr. Sumati Surya
- Dr. Vineeta Bal
- 01.15pm - 02.30pm : **Lunch Break**

Session II (2.30pm – 4.30pm) Presentations (6)

Chair : **Dr. Ila H, IITk, Kanpur**

02.30pm - 02.50pm : **Dr. Sudeshna Sinha**
Exploiting Chaos to Design Flexible Hardware

02.50pm - 03.10pm : **Dr. Shika Verma**
Looking at Atoms and Structures on Surfaces

03.10pm - 03.30pm : **Dr. Vandana Nanal**
Investigating Structure of Unstable Nuclei

Chair : **Dr. Mehtab Bamji, Hyderabad**

03.30pm - 03.50pm : **Dr. Veena K Parnaik**
Functional Organization in the mammalian nucleus

03.50pm - 04.10pm : **Dr. Vijayalaxmi Trivedi**
HK Multiplicity and Vector Bundles

04.10pm - 04.30pm : **Dr. Vijaya S**
Effective Vaccines for Diseases of Developing Countries

04.30pm – 04.40pm : **Vote of Thanks**

04.40pm : **High Tea**
