

99th Indian Science Congress
January 5-6, 2012, KIIT University, Bhubaneswar

First Women's Science Congress

Venue : Main Pandal

Time: 9.00 – 10.00 Hrs	Inauguration	Date: January 05, 2012
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Welcome Address : **Prof. Geetha Bali**, General President, ISCA

Inauguration & Address : Her Excellency **Mrs. Nirupama Rao**
Ambassador of India to USA, Washington D.C

Address by Guest of Honour: **Dr. Gretchen Kalonji**,
Hon'ble Assistant Director-General
for Natural Sciences, UNESCO

Keynote Address : **Dr. D. Purandeswari**, Hon'ble Minister of State
(Education) Ministry of Human Resource
Development, Government of India

Presidential Address : **Smt. Sheila Dikshit**, Hon'ble Chief Minister of the
Government of NCT of Delhi

Vote of Thanks : **Dr. Vijayalakshmi Saxena**
(Gen. Secretary, Scientific Affairs, ISCA)

Time: 10.00 – 13.00 Hrs	Women in Science - Session I	Date: January 05, 2012
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Chairperson: Dr. Polly Roy

20 min each

Co-Chair: Smt. Geeta Varadan

Dr. Polly Roy, London WCIE, United Kingdom.
*From Atomic Structure to safe Vaccines for a
Viral disease.*

Mrs. Geeta Varadan,
Director, ADRIN, ISRO, Hyderabad

*Harnessing Remote Sensing Technology for
National Needs – An experience*

Dr. Kiran Katoch

Director, National JALMA Institute for Leprosy & Other
Mycobacterial Diseases, Tajganj, Agra 282001

11.00 -11:15

Tea-Break

Prof. Indira Nath, ICMR,

Safdarjung Hospital Campus, New Delhi
The enigma of human Leprosy

Dr. Vijayalakshmi Ravindranath, Chairperson,
Center for Neuroscience, IISc, Bangalore.

*New approaches to disease modifying therapies for
Alzheimer's disease*

Prof. H. S. Savithri, Professor, Department of
Biochemistry, Indian Institute of Science ,
Bangalore.

*Functions of viral encoded intrinsically disordered
domains/ proteins*

Dr. Shashi Bala Singh, Director, Defence Institute
of Physiology and Allied Sciences, New Delhi.
*Low cost sustainable technologies for cold arid
desert*

Dr. Chitra Rajagopal, Associate Director, Centre
for Fire, Explosive & Environment Safety,
Timarpur, New Delhi

13:00 – 14:00

Lunch - Break

Time: 14.00 – 16.00 Hrs

Women in Science – Session II

Date: January 05, 2012

Chairperson: Dr. Shashi Bala Singh
Co-Chair: Dr. Vineeta Sharma

20 min each

Dr. Tessa Thomas, Project Director, Advanced Systems Laboratory, Kanchangagh, Hyderabad.
Long Range Missile Systems – Technology Breakthrough

Dr. M. Sreepriya, Assistant Professor in Biotechnology
Department of Microbiology and Biotechnology
Bangalore University, Bangalore.

Dr. Qamar Rahman, Department of Biological Sciences Institute of Cell Biology and Biosystems Technology, University of Rostock.
Technological advancements! Past experiences future challenges for Health and environment.

Dr. Nabanita R Krishna, Director, Directorate of Management Information System and Technologies,
DRDO Bhawan, New Delhi
A Scientist's Journey in DRDO

Dr. G Rohini Devi, Programme Director,
Advanced Systems Laboratory, Hyderabad.
Development Of High Temperature Composites For Strategic Applications

16:00 – 16:15

Tea-Break

Time: 16.15 – 18.15 Hrs

Science for Women – Session I

Date: January 05, 2012

Chairperson: Dr. Nirupama Prakash
Co-Chair: Dr. Ritu Anand

20 min each

Dr. Vinita Sharma
Department of Science & Technology, GoI

Dr. Nirupama Prakash, Director, Centre for Women's Studies, Jaypee University of Information Technology, Himachal Pradesh

Involving Women in Science & Technology: An Empowering Tool

Dr. Ritu Anand, Vice President & Deputy Head-Global

HR, Tata Consultancy Services.

Innovation led transformation: the role of Women

Dr. M. Vasundhara, Professor, Medicinal & Aromatic Section, University of Agricultural Sciences, Bengaluru

Amita Chattopadhyay, Central Institute of Freshwater Aquaculture, Bhubaneswar.

Vermitech: An Ecofriendly Approach for Providing Financial Security to Rural Women.

Bijoya Mishra, Ex Principal, Rama Devi Women's Autonomous College, Bhubaneswar.

Science and Technology for Women

Time: 9.00 – 11.00 Hrs

Science for Women – Session II

Date: January 06, 2012

20 min each

Dr. S.G. Senthil Vel, SME and solution leader, Health Care and Life Sciences, India Software Lab, IBM Software group, Bangalore,

Dr. Mukulika Hitkari, DGPG College, CSJM University, Kanpur

Women – Motivation to Scientific Development

Prof. K. Rudramma Devi, Osmania University, Hyderabad

On Science Education and Women Empowerment

Dr. Padma Saxena, D. A. V. College, CSJM
University, Kanpur
*Women Practicing Science – Is there a glass ceiling
in India?*

Pushpa Srivastava, Department of Botany,
University of Rajasthan, Jaipur
*Income Generating Spirulina Cultivation-
Management by Rural Women*

Charanjit Kaur, Sri Sathya Sai College for
Women, Bhopal, MP
Science for Women

11:05-11:15

Tea-Break

Time: 11.15 – 13.00 Hrs

Women in Science – Session III

Date: January 06, 2012

Chairperson: Dr. A. Anushya

Co-chair: Dr. S. Karpagam

20 min each

Neeta Thacker, Chief Scientist and Head
Analytical Instruments Division, National
Environmental Engineering Research Institute,
Nagpur .
*Environmental Release of Persistence Organic
Pollutants – A Human Concern*

Keisham Radhapyari and Raju Khan, Chemistry
Division, North East Institute of Science &
Technology, Jorhat.
*Development of electrochemical biosensor of
horseradish peroxidase immobilized on polyaniline
for direct determination of anticancer drug
tamoxifen*

**Smita Karpe¹, S. M. Kamble², P. B. Vidyasagar²,
S. C. Karl,** ¹PG Department of Physics, New Arts,
Commerce and Science College, Ahmednagar,
²Biophysics laboratory, Department of Physics,
University of Pune. *Effect of altered gravity
(hypergravity) on germination (growth) of
mungbean & chlorophyll pigment*

**A.Pethalakshmi¹, R.Raja Rajeswari¹,
A.Anushya²**
¹Department of Computer Science, M.V.M. Govt.
Arts College, Dindigul. ²Department of Computer
Science, Manonmaniam Sundaranar University,
Tirunelveli,
*Convergence of Earthquakes, Atmospheric
anomalies and Neuro Fuzzy Models : A Close Study*

S. Karpagam & R. Ananthasayanam, Department
of Educational Technology, Bharathiar University,
Coimbatore.
*Factor analytic study of Internet usage on
educational perspectives*

13:00 – 14:00

Lunch - Break

Time: 14.00 – 15.00 Hrs

Women in Science – Session III

Date: January 06, 2012

20 min each

Jyotshna Mahapatra, Regional Institute of
Education, Bhubaneswar
Let Us Know the Chemicals Present in Our Food

Dr. Paramita Deb, BARC, Mumbai
Women working in Challenging areas of Science

DISCUSSION

Time: 10:30 -16:00 Hrs

Poster Session

Date: January 06, 2012

R. Annapurna Ramamurthy, T. Rajya Lakshmi Prabhu, S.V. University, Tirupati
Rural Livelihood Security – Role of Women Organization

M. Narayana Swamy, Department of Education, Bangalore University
A Study Of Self-Concept And Achievement Motivation of Female Adults Towards Literacy

D Usha Rani and B. Jyotsna Devi, Centre for Extension Studies & Centre for Women's Studies, S.V.University, Tirupati
Relationship between Socio-Economic Characteristics of SHG Women farmers and Their Adoption of Farm Technologies in Chittoor District

Huma Naz and Asma Naz, Department of Plant Protection, Aligarh Muslim University, Aligarh.
Importance of Women's for protecting the environment

Sucheta Priyabadini, KIIT University, Bhubaneswar
Journey through the gender prejudices: Women in Engineering.

¹Gayatri Mohanty, ¹Deepika Muduli, ²Bijayalaxmi Pradhan and ¹Luna Samanta,
¹Department of Zoology, Ravenshaw University, Cuttack, ²Utkal University, Bhubaneswar
Fertility and ageing: awareness and perceptions of female students to leading universities of Odisha

Prabha Shastri Ranade, ICFAI Business School,
Ahmedabad.

Women's role in conservation of natural resources

**S.A. Kazi, Onkar Kakade, P.G.Tadasad, T.
Shanta Devi, S.R. Ghanti, S.R. Soudagar, G.R.
Naik,**

Karnataka State Women's University, Bijapur.

*Women's Technology Park – Road to Empowerment
of Rural women.*

**Sumalatha K.R¹, Sreepriya M¹ and Sheela
Praveen²**

¹Department of Biotechnology, Bangalore
University

²Department of Pathology, Clunex Diagnostics,
Bangalore

*Embelin augments apoptotic cell death in estrogen
receptor positive human breast adenocarcinoma
cell line MCF-7, A positive correlation between its
anti-estrogenic and antiproliferative effects.*

Meera Patnaik and Supriya Patnaik,

Kalinga Institute of Social Sciences, Bhubaneswar
Stepping through Partnership

Time: 04.15 PM

Valedictory

Date: January 06, 2012

- Welcome Address &
Report on Women's
Science Congress :** **Dr. Vijayalakshmi Saxena**
Gen. Secretary, Scientific Affairs , ISCA
- Address by Guest of Honour :** **Dr. Vinita Sharma**
Department of Science & Technology, GoI
- Presidential Remarks :** **Prof. Geetha Bali,**
General President ,ISCA
- Valedictory address :** **Dr. Mahtab S Bamji**
Vice President INSA
- Vote of Thanks :** **Dr. Veena Goswami**