Tuesday, January 3, 2012, 09.30am – 12.00pm

Venue: KIIT Stadium

Inauguration of

99th Indian Science Congress

by

Hon'ble Prime Minister of India

Dr. Manmohan Singh

&

Inauguration of

Pride of India Exhibition

By

Sri Vilasrao Deshmukh

Hon'ble Minister of Sc. & Tech. & Earth Sciences, GOI

Tuesday , January 3, 2012, 13.45pm – 15.15pm Venue : Campus – 6 Auditorium

Panel Discussion	'Science Policy Making'
Chairman	Dr. K. Kasturirangan
	Member, Planning Commission
Speakers	Dr. V. M.Katoch
	Secretary to Govt. of India
	Department of Health Research & Director General,
	Indian Council of Medial Research
	Dr. Samir K. Brahmachari
	DG, CSIR
	Dr. T. Ramasami
	Secretary, DST, Govt. of India, New Delhi
	Dr. S. Ayyapan
	Director General (ICAR) & Secretary (DARE)
	Dr. Shailesh Nayak
	Secretary, Ministry of Earth Sciences, Govt. of India
	Dr. Cynthia Robinson
	Director, AAAS Policy Fellowship, Washington
	D.C, U.S.A
	Dr. M. Rajasekharan Pillai
	Vice Chancellor, IGNOU, New Delhi
	Dr. Balakrishna Pisupati

Chairman, NBA

Convenor Prof. R. Ramamurthi

Tuesday, January 3, 2012, 15.15pm – 16.00pm

Venue: Campus – 6 Auditorium

Public Lecture Dr. Rolf M.Zinkernagel,

University of Zurich, Zurich

Nobel Laureate

"Why Do We Not Have a Vaccine Against HIV or TB?"

Chairman Prof. N. K. Ganguly

Former DG, ICMR

Tuesday, January 3, 2012, 16.00pm - 16.30pm

Venue: Campus – 6 Auditorium

Public Lecture Dr. M. S. Swaminathan

Chairman, MSSRF

"Commemorating the Year of Science"

Chairman Dr. Parviz Koohafkan

Director of Land & Water Division, FAO

Tuesday, January 3, 2012, 16.30pm – 17.00pm

Venue: Campus – 6 Auditorium

Public Lecture Dr. Parviz Koohafkan

Director of Land & Water Division, FAO

"Heritage and Food security in an era of Climate Change"

Chairman Dr. M. S. Swaminathan

Chairman, MSSRF

Tuesday , January 3, 2012, 17.00pm – 17.30pm

Venue: Campus – 6 Auditorium

Public Lecture Dr. S. K. Brahmachari

DG, CSIR, GoI

Chairman Prof. A. S. Kolaskar

Vice Chancellor, KIIT University

Dr. B. K. Mishra

Director, IMMT, Bhubaneswar

Tuesday, January 3, 2012, 17.00pm – 17.45pm

Venue: Campus – 6 Auditorium

Public Lecture Dr.R.Chidambaram,

Co-Chair

Principal Scientific Adviser to Govt. of India "Research and Innovation: Many Dimensions"

Chairman Dr. Srikumar Banerjee

Chairman, Atomic Energy Commission

Tuesday, January 3, 2012, 18.15pm – 19.00pm

Venue: Campus – 6 Auditorium

Public Lecture Dr. N. Chandrasekharan,

CEO & MD, Tata Consultancy service, "ICT- a tool for achieving vision 2020"

Chairman Prof. A. S. Kolaskar

Vice Chancellor, KIIT University

Wednesday, January 4, 2012, 09.00am - 10.00am

Venue: Campus – 7 Auditorium

Public Lecture Dr. Kurt Wuthrich

The Scripps Research Institute

Nobel Laureate

"Basic Research and Human Daily Life"

Chairman Dr. D. Balasubramanian

LVPI, Hyderabad

Wednesday , January 4, 2012, 12.00am – 13.00am

Venue : Campus – 7 Auditorium

Public Lecture Dr. S. Ayyappan,

DG (ICAR) & Secretary (DARE), New Delhi

"Feeding Crores Forever"

Chairman Dr. T. K. Adhya

CRRI, Cuttack

Wednesday, January 4, 2012, 14.00pm – 15.00pm

Venue: Campus – 6 Auditorium

Public Lecture Dr. V. K. Saraswat,

DRDO, Secretary, Dept. of Defence Research Development, S.A. to Raksha Mantri, Government of India, (New Delhi)

Chairman Prof. Trilochan Pradhan

Bhubaneswar

Wednesday, January 4, 2012, 15.00pm – 15.45pm

Venue: Campus – 6 Auditorium

Public Lecture Dr. Harish C Pant

Neuronal Cytoskeletal Protein Regulation Section Laboratory of Neurochemistry, (NINDS ,USA) "Biology of Neuronal Cytoskeleton Regulation

Neurodegeneration and dementia"

Chairman Dr. B. Ravindran

Director, ILS, Bhubaneswar

Wednesday, January 4, 2012, 16.15pm – 17.00pm

Venue: Campus – 6 Auditorium

Public Lecture Dr. Srikumar Banerjee

Chairman, AEC (Mumbai)

Chairman Dr. A. M. Jayannavar

Director, IOP, Bhubaneswar

Wednesday, January 4, 2012, 17.00pm – 18.00pm

Venue: Campus – 6 Auditorium

Public Lecture Dr. Richard R. Ernst

Nobel Laureate, ETH Zurich

"Academic Opportunities for Shaping a Better Future"

Chairman Dr. T. K. Chandrasekhar

Director, NISER, Bhubaneswar

Wednesday, January 4, 2012, 18.00pm – 18.45pm

Venue: Campus – 6 Auditorium

Public Lecture Dr. Rita Colwell (USA)

"Climate change and Malaria"

Chairman Dr. Amit Ghosh

NICED, Kolkata

Wednesday, January 4, 2012, 18.45pm – 19.30pm

Venue: Campus – 6 Auditorium

Public Lecture Dr. K. Radhakrishnan

(Chairman-ISRO)

Chairman Prof. A. S. Kolaskar

Vice Chancellor, KIIT University

Wednesday , January 4, 2012, 10.00am – 12.00pm

Venue: Campus – 6 KIIT Stadium

CHILDREN'S SCIENCE CONGRESS

His Excellency Dr. A. P. J. Abdul Kalam

Presentation of Young Scientists Awards

Wednesday, January 4, 2012, 09.00pm – 11.00pm

Venue: Campus – 6 Hall - 1

Plenary Session "Health Care Without Borders-The Telemedicine way"

Chairman Shri L. S. Satyamurthy

Vice-President, Telemedicine Society of India

Co-Chair Dr. B. N. Mohanty

Prof. of Surgery, SCB Medical College, Cuttack

Key Note Address Dr. V. M. Katoch,

Secretary Deptt. of Health Research& DG, ICMR Govt. of

India, New Delhi

"Technology enabled Medical Research & Health care"

Speakers Dr. Remilla Murthy

ANTRIX Corporation, ISRO, Bangalore

"Space Technology and its innovative applications by ISRO-The Harbinger of Telemedicine Program in India"

Shri L. S. Satyamurthy

Vice-President, Telemedicine Society of India

"Tele-health systems and practice, where does India stand now in Global context"

Dr. B. N. Mohanty

Prof. of Surgery, SCB Medical College, Cuttack

"First Decade of Indian Telemedicine Program & its Impact"

Prof. K. Ganapathy

President, Apollo Telemedicine Networking Foundation "mHealth: Health Care for Anyone, Anytime Anywhere"

Wednesday, January 4, 2012, 11.30am – 13.00pm

Venue: Campus – 6 Hall - 1

Plenary Session "Health Care Without Borders-The Telemedicine way"

Chairman Prof. K. Ganapathy

President, Apollo Telemedicine Networking Foundation

Co-Chair Dr. Remilla Murthy

ANTRIX Corporation, ISRO, Bangalore

Dr. S. K. Mishra

Nodal Officer, SGPGI Telemedicine Program, Sanjay Gandhi PG Inst. of Medical Sciences, Lucknow

"Capacity Building in e-health, Medical Education & introducing research in Translational health informatics in academic program of Medical & Science disciplines: Need of the hour"

Dr. Mandakini Pradhan

Head, Dept. of Reproductive and Child Health, SGPGIMS

"Impact of ICT in meeting the challenges of health related MDGs (includes live demonstration of Tele-Ultrasound for remote monitoring of high risk pregnancy-transmission

Dr. Anjali Mishra

Associate Professor, Department of Endocrine Surgery, SGPGIMS, Lucknow

"Application of Telemedicine in Surgical Education and Post- operative Care"

Wednesday , January 4, 2012, 14.00pm – 17.00pm

Venue: Campus - 6 Hall - 5

Science Communicator's Meet

Chief Guest Dr. D. Balasubrahmanian

L.V. Prasad, Eye Institute, Hyderabad

Guest of Honor Dr. Richard Nader,

Vice Provost, University of North Texas

Wednesday , January 4, 2012, 14.00pm – 15.30pm

Venue: Campus – 6 Hall - 1

Panel Discussion 'Year of Science' Role of Science Academies

Chairman Dr. M. S. Swaminathan

Chairman, M S Swaminathan Research Foundation, Center for Research on Sustainable Agriculture and Rural Development

Speakers

Dr. Krishan Lal

President, Indian National Science Academy, New Delhi

Dr. Asis Datta

The National Academy of Sciences, India

Dr. Baladev Raj

President, The Indian National Academy of Engineering (INAE), New Delhi

Prof. N. Mukunda

Former President, Indian Academy of Sciences, Dept of Physics Indian Academy of Sciences, Bangalore

Prof. R. B. Singh

President, National Academy of Agricultural Sciences NASC, New Delhi

Convenor

Prof. A. S. Kolaskar

Vice-Chancellor, KIIT University, Bhubaneswar

Wednesday , January 4, 2012, 15.30pm – 17.00pm Venue : Campus – 6 Hall - $\bf 1$

Panel Discussion "Physician -Scientist Interaction and Training in India

Chairman

Dr. V. M. Katoch

Secretary to Govt. of India Department of Health Research (Ministry of Health & Family Welfare) & Director General, Indian Council of Medial Research. New Delhi

Speakers

Dr. Jagadeeswaran Pudur

Professor of Biological Sciences, University of North Texas, USA

"Benefits of Training Physician Scientists in India: an American Lesson"

Dr. Ananda Kumar

Lizzie Gilman Professor of Psychiatry and Chair UIC college of Medicine, Chcago

"Developing and Sustaining a Physician Scientist Program: THE American Experience"

Dr. Warren Burggren

Provost and Vice President University of North Texas, USA

"Bridging the Bench to Bedside Gap with Physician – Scientist Collaboration"

Dr. Srinivas Pentyala

Director of Translational Research Centre, Stony Brook Medical School,

"Transition to Translation: Physician-Scientist as one or the other"

Dr. K.K. Talwar

Chairman BOG's, MCI, New Delhi

Dr. G. Subrahmanyam Director, NMCH, Nellore

Convenor

Dr. R. Ramamurthi

Wednesday, January 4, 2012, 09.00am – 10.45am

Venue : Campus -6 Hall -2

Plenary Session "Maternal and Child Health Care-Nutrition Security"

Chairman Prof. S. S. Parmar

Fmr Chair, Department of Physiology, University of North Dakota, USA

Co-Chair Dr. V. Prakash

Fmr Director , Central Food Technological Research Institute, Mysore

"Food and Nutrition Security through Food Security – Issues Relating to Climate Change and also Traceability"

Speakers Dr. Devendra Agarwal

Dept. of Biomedical Sciences , Creighton University School of Medicine , USA

"Vitamin D in Maternal and Child Health Care"

Dr. Catherine Chan

Professor-Director, Division of Human Nutrition, University of Alberta, Canada

"The Panda Project: Facilitating Behavior Change in type 2 Diabetes Treatment"

Dr. Mahtab Sohrab Bamji

INSA Honorary Scientist, Dangoria Charitable Trust, Hyderabad

"Maternal Malnutrition Reduces the Distance between Womb and Tomb of the Progeny"

Convenor

Dr. Sadhana Ramchandra Joshi

Interactive Research School for Health Affairs, Bharatiya Vidyapeeth University, Pune

"Maternal micronutriants (folic acid, vitamin B12) and omega 3 fatty acids and risk of adult non communicable diseases.

Wednesday, January 4, 2012, 11.30am – 13.00pm Venue: Campus – 6 Hall - 2

Plenary Session

"Climate change and Food Security"

Chairman

Prof. M. S. Swaminathan

Chairman, M S Swaminathan Research Foundation, Center for Research on Sustainable Agriculture and Rural Development

Speakers

Dr. Madhura Swaminathan

Professor, Indian Statistical Institute "Why we need a Universal right to food"

Ms. Mihoko Tamamura

Representative, WPF(World Food Programme)

"Social support to strengthen the coping capacity of the poor in an era of climate change"

Dr. V. Selvam

Director - Coastal Systems Research, M.S.Swainathan Research Foundation,

"Meeting the Challenges of Sea Level Rise"

Dr. A. A. Nambi

M.S.Swainathan Research Foundation,

"Enhancing the coping capacity of local communities: Training a Cadre of Climate Risk Managers"

Convenor

Dr. Suman Sahai

Chairperson – Gene Campaign Sainik Farms, "Genes for a Warming Planet"

Wednesday , January 4, 2012, 09.00am – 10.45am Venue : Campus – 6 Hall - $\bf 3$

Plenary Session

"Frontiers in Atmospheric Sciences"

Chairman

Dr. Shailesh Nayak

Secretary, Ministry of Earth Sciences, Govt. of India "Earth System Science in India: A perspective"

Speakers

Dr. Jiri Grygar,

Institute of Physics, Czech Academy of Science "Experience with the international Pierre Auger Observatory"

Prof. U. C. Mohanty

Course Coordinator, Centre for Atmospheric Sciences, Indian Institute of Technology,

"Simulation of Extreme Weather Events over Indian Region with High Resolution Data Assimilation and Mesoscale Modeling System"

Dr. Shyam lal

Atmospheric chemistry division, Physical Research Laboratory (PRL),

Convenor

Dr. D. N. Rao

Director (Research), S.R.M. University, Chennai Recent advancements in Remote Sensing for Atmospheric Studies – Indian Scenario

Wednesday, January 4, 2012, 11.00am – 12.00pm

Venue: Campus -6 Hall -3

Special Lecture Dr. Vijay Bhatkar

Chairman, ETH Research Lab, Pune

'National Mission on Exascale Supercomputing'

Chairman Dr. N. Chandrasekharan,

CEO&MD, Tata Consultancy service

Wednesday, January 4, 2012, 12.00pm – 13.00pm

Venue : Campus -6 Hall -3

Special Lecture Dr. Vinay Nagaraj

Physicians Psychiatry & Neurology Addiction

Psychiatry, USA

"Treatment of individuals with mental illness and

drug use disorders"

Chairman Prof. Santosh Kar

KIIT University

Wednesday, January 4, 2012, 09.00am – 12.10pm

Venue: Campus – 6 Hall - 4

Special Panel	" Biodiversity Governance Role of
Discussion	Communities and Women"

Chairman Dr. Balakrishna Pisupati

Chairman National Biodiversity Authority (NBA)

Govt. of India

Principal Speakers Prof. M. S. Swaminathan

Chairman, M S Swaminathan Research Foundation

Mr. Ahmed Djoghlaf

Executive Secretary, Convention on Biodiversity,

Montreal

Dr. R. Chidambaram

Principal Scientific Advisor to GoI, New Delhi

Dr. Balakrishna Pisupati

Chairman National Biodiversity Authority (NBA) Govt. of India

Lucy Mulenkei

Executive Director, Indigenous Information Network

Respondents

Dr. Pierluigi Bozzi

Coordinator, International Network of Indian Universities on CBD SPES, University of Rome "Sapienzia"

Ms. Ann Marie Khan,

Secretariate on CBD, Montreal

Dr. Faizi,

CBD Civil Society Alliance

Dr. Ruchi Pant

Dr. Elumalai

Discussants

Dr. Sanjay Deshmukh,

University of Mumbai, Mumbai

Dr. Krishna K. Banaudha

The G.W University, Washington DC

Dr. G. Sudarsanam

Professor and Head, Department of Botany, NIUCBD, Tirupati

Convenor

Dr. R. Ramamurthi

Chairman, Network of Indian Universities on CBD(NIUCBD)

Thursday, January 5, 2012, 09.00 – 10.00 Venue: Campus – 6 KIIT Stadium **INAUGURATION OF WOMEN'S SCIENCE CONGRESS**

: Prof. Geetha Bali, General President, ISCA **Welcome Address**

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)

Thursday, January 5, 2012, 10.00am - 12.45pm

Venue: KIIT Stadium

'Women's Science Congress'

Women in Science Session I

Chairman Polly Roy, London WCIE, United Kingdom.

From Atomic Structure to safe Vaccines for a

Viral disease.

Co-Chair Mrs. Geeta Varadan

Director, ADRIN, ISRO, Hyderabad

"Harnessing Remote Sensing Technology for National Needs

- An experience"

Speakers Prof. Indira Nath, ICMR,

Safdarjung Hospital Campus, New Delhi

"The enigma of human Leprosy"

Dr. Vijayalakshmi Ravindranath

Chairperson, Center for Neuroscience, IISc Banglore.

"New approaches to disease modifying therapies for

Alzheimer's disease"

H. S. Savithri

Professor, Department of Biochemistry, Indian Institute of

Science, Bangalore-560012

Functions of viral encoded intrinsically disordered domains/

proteins

Dr. Kiran Katoch

Scientist G & Director, National Jalma Institute for

Leprosy,Agra

Thursday , January 5, 2012, 14.00pm – 16.00pm

Venue: Campus – 6 Hall - 5

'Women's Science Congress'

Women in Science

Session II

Chairman Dr. Shashi Bala Singh, Director, Defence Institute of

Physiology and Allied Sciences, Lucknow Road, Timarpur, New Delhi

Co-Chair

Dr. Chitra Rajagopal, Associate Director, Centre for Fire, Explosive & Environment Safety, Brig SK Mazumdar Marg, Timarpur, Delhi

Dr. Tessy Thomas, Project Director, Advanced Systems Laboratory, Kanchangagh, Hyderabad-500 058

Dr. M. Sreepriya, Assistant Professor in Biotechnology Department of Microbiology and Biotechnology Bangalore University, Bangalore - 560 056

Dr. Qamar Rahman, University of Rostock, Department of Biological Sciences Institute of Cell Biology and Biosystems Technology,

Technological advancements! Past experiences future challenges for Health and environment

Mr. Nabanita R Krishna, Director, Directorate of Management Information System and Technologies, DRDO Bhawan, Rajaji Marga, New Delhi

Dr. G Rohini Devi, Programme Director, Advanced Systems Laboratory, Kanchandagh, Hyderabad-500 058

Thursday, January 5, 2012, 16.15pm – 18.00pm Venue: Campus – 6 Hall - 5

'Women's Science Congress' Science for Women
Session III

Chairman Dr. Nirupama Prakash

Head, Department of Humanities & Social Sciences, Director, Centre for Women Studies, Jaypee University of Information Technology (JUIT) Himachal Pradesh

Co-Chair

Dr. Ritu Anand, Vice President & Deputy Head-Global HR of Tata Consultancy Services

Dr. M. Vasundhara, Professor, Medicinal & Aromatic Section, University of Agricultural Sciences, Bengaluru-65

Amita Chattopadhyay,

Central Institute of Freshwater Aquaculture Kausalyaganga, 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

Neeta Thacker, Chief Scientist & Head Analytical Instruments Division, National Environmental Engineering Research Institute, Nagpur

"Environmental Release of Persistence Organic Pollutants-A Human Concern"

Charanjit Kaur,

Sri Sathya Sai College for Women, Bhopal, MP *Science for Women*

Pushpa Srivastava,

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

Thursday, January 5, 2012, 16.15pm – 17.15pm Venue: Campus – 6 Auditorium

Public Lecture

Dr. S. V. Raghavan, NKN (Delhi)

"National Knowledge Network (NKN)-An Instrument of Social Change"

Chairman

Prof. S. S. Katiyar

Thursday, January 5, 2012, 17.15pm – 18.00pm Venue: Campus – 6 Auditorium

Special Lecture Shri Vidya Shankar, IAS

Principle Secretary to Govt. of Karnataka

Dept. of e -Governance

Chairman Prof. K. C. Pandey

Thursday , January 5, 2012, 18.00pm – 18.45pm

Venue: Campus – 6 Auditorium

Special Lecture Shri. Ravi S Saxena, IAS

Additional Chief Secretary to Govt. of Gujarat

DS&T(Gujarat)

Chairman Prof. K. C. Pandey

Thursday, January 5, 2012, 14.00pm – 16.00pm

Venue: Campus – 6 Hall - 6

Science Communicators Meet: Valedictory function

Thursday, January 5, 2012, 16.15pm – 17.15pm

Venue: Campus – 6 Hall - 2

Dr. S. G. Thirumalaisamy

KMCH, Coimbatore

Dr. D.R. Mehta

Founder & Chief Patron, Bhagwan Mahaveer Viklang

Shahayata Samiti

Dr. G.V. Ramaraju

Managing Director and CEO, Media Lab Asia

Thursday, January 5, 2012, 17.15pm – 18.00pm Special Lecture Venue: Campus – 6 Hall 2

Special Lecture Dr. N. K. Gowda

Vice Chancellor, UAS, Bangalore

Chairman Prof. B. C. Tripathi

Vice Chancellor, Ravenshaw University

Thursday, January 5, 2012, 09.00am – 10.45am Venue: Campus – 6 Hall 1

Plenary Session 'Tackling Neurodegenerative Diseases'

Chairman Dr. Harish Pant,

NINDS, USA

Speakers Dr. Sashi Kesavapany

GSK Singapore Research Center, Singapore

Selective inhibition of p25/Cdk5 deregulation through the

overexpression of Cdk5 Inhibitory Peptide (CIP) – therapeutic avenues for Neurodegeneration

Prof. Janice Robertson

Center for Research Neurodegenerative Diseases, University of Toronto, CANADA

Understanding the Mechanistic Basis of TDP-43 Neurotoxicity in Amyotrophic Lateral Sclerosis

Dr. Ian Maze

The Rockefeller University Laboratory of Chromatin Biology and Epigenetics, New York,

Histone Methylation-Dependent Transcriptional Regulation of Cocaine-Induced Behavioral and Structural Plasticity

Dr. Thomas Yorio

Provost and Executive Vice President for Academic Affairs, Fort Worth

Neuroprotective Strategies in the Treatment of Glaucoma

Dr. Ghanshyam Pandey

Professor of Psychiatry, University of Illinois, Chicago Neurotrophin, neuroendocrine and neuroimmune function in depression and suicide pathophysiology

Convennor Dr. P. K. Seth

CEO, Biotech Park, Lucknow Platelets and Lymphocytes as Neuronal Model for Selected CNS Disorders

Thursday, January 5, 2012, 12.00pm – 12.30pm Venue: Campus – 6 Hall 1

Special Lecture Dr. Sarah Dunlop

President, Australian Neuroscience Society, "Basic science to clinical trials for spinal cord injury; physician-scientist interactions at a number of levels"

Chairman Brig. P. K. Sahu

Neurosurgeon, Appolo Hospital

Thursday, January 5, 2012, 12.30pm – 13.00pm Venue: Campus – 6 Hall 1

Special Lecture Dr. Peter Thalau

J.W. Goether University (Germany)

"Magnetoreception in birds"

Chairman Prof. Ravi Naik

NISER, Bhubaneswar

Thursday, January 5, 2012, 14.00pm – 16.00pm Venue: Campus – 6 Hall 1

Seminar: India's Public Health Challenges Reconfiguring the Health System for Universal Health Coverage

Chairpersons Ms. Anu Garg

Commissioner cum Secretary, Department of Health & Family Welfare, Govt of Odisha

Prof. Subhash HiraDirector IIPH-B

Speakers

Prof. K. Srinath Reddy,

President, PHFI and Chair, High Level Expert Group of Planning Commission on Universal Health Coverage, New Delhi. India's Health Challenges: Multitude and Magnitude

Dr. Manish Kakker

PHFI, New Delhi.

Infectious Diseases: Unfinished Agenda and Emerging Threats

Dr. D Prabhakaran

PHFI, New Delhi

Noncommunicable Diseases: Dimensions and Directions

Dr. A. K. Shiva Kumar

UNICEF, New Delhi and Member, National Advisory Council Health Financing for Universal Health Coverage: Extending Financial Protection

Prof Vinod Paul

Head-Pediatrics, AIIMS, New Delhi Human Resources for Health: Bridging the Gaps

Dr Mirai Chatterjee

SEWA, Ahmedabad and Member, National Advisory Council

Social Determinants of Health: Aligning Actions in Other Sectors

Thursday, January 5, 2012, 09.00am – 10.45am Venue: Campus – 6 Hall 2

Plenary Session 'NBC Technologies for Armed Forces and Civilians'

Chairman Dr. W. Selvamurthy

Distinguished Scientist & Chief Controller Research & Development, Government of India, New Delhi "NBC Technologies for Armed Forces and Civilians"

Speakers Dr. Sudarshan Kumar

Sc 'G', & Director (CFEES), New Delhi "NBC Threat Perception and Countermeasures"

Dr. V C Padaki

Outstanding Scientist & Director, (DEBEL), Bangalore "Respiratory Management during NBC Encounted"

Dr. R Vijayaraghavan

Outstanding Scientist & Director, (DRDE), Gwalior Medical Protection for Chemical and Biological Warfare Agents as First Aid

Prof. M. P. Kaushik

Process Technology development Division, Defence Research and Development Establishment, "Strategies to Combat Chemo-Terrorism"

Convenor Dr. H.V Batra

Sc 'G', Defence Food research Laboratory, Mysore "Detection Technologies for Biological Emergencies"

Thursday, January 5, 2012, 11.00am – 13.00pm Venue: Campus – 6 Hall 2

Penal Discussion 'Science Education in Rural Areas'

Chairman Dr. N. R. Shetty

The Director N.M.I.T, Bangalore

Speakers Dr. Latha Pillai

Former Pro-Vice Chancellor, IGNOU, New Delhi

Dr. Ajit Basu

Chief Programme Executive, Agastya International Foundation, Bangalore

Ms. Meera Swaminathan

"Engendering the syllabus of Agricultural Univesities"

Prof. S. Pattnayak

Director, Institute of Maths and applications, Bhubneswar

Prof. K. E. Radhakrishna,

Bangalore

Dr. Surabhi Banerjee

Vice Chancellor, Central University of Odissa, Bhubneswar

Dr. Linnea Fletcher

Chair, Dept. of Biotechnology, Austin Community College, Austin TX

Convenor Dr. K. Muralidhar

Professor, Dept. of Zoology, New Delhi

Thursday , January 5, 2012, 09.00am – 10.45pm

Venue: Campus – 6 Hall 3

Plenary Session 'Green Building Technologies'

Chairman Dr. K. S. Jagdish

R.V. College of Engineering, Bangalore "Energy, Carbon Emissions and Buildings"

Speakers Dr. M. R. Yogananda

Consulting Engineer, Bangalore

"Alternative buildings – Recent Developments"

Prof. B. V. Venkatarama Reddy

Prof. of Civil Engg, I.I.S.C, Bangalore.

"Green and sustainable constructions - A sectorial Overview"

Subhas C. Basu

Former Asst. Professor of Architecture, Malnad College of Engg., Hassan.

"Traditional Buildings and their Response to Climate"

Convenor

Dr. Monto Mani

Centre for Sustainable Technologies, IISC, Bangalore "Building Climate-responsiveness and Thermal Comfort – Salient Issues for Indian Conditions"

Thursday, January 5, 2012, 11.00am – 13.00pm Venue: Campus – 6 Hall 3

Plenary Session

'Nanoscience and Diagnostics'

Chairman

Dr. H. S. Sharma

Laboratory of Cerebrovascular Research, Department of Surgical Sciences, Uppsala University, Sweden "Nanomedicine in Mental Health and Neurological Disorders. Current Status and Future Perspectives"

Speakers

Dr. Ueli Aebi

M.E. Müller Institute for Structural Biology, Switzerland "The Nanomechanical Signature of cells and Tissues-Normal Versus Pathological"

Dr. A. R. Phani

Chief Scientist – Nanotechnology, INCITE -TBI, Bangalore

"Nanostructured materials in Tissue Engineering, Therapeutics and Diagnostics systems for Biomedical Applications"

Dr. Abhay Chauhan

Director, Formulation Development Nanosynthons, USA "Nanotechnology at THE crossroads: with A Special Emphasis on Dendrimer Nanodevice"

Dr. A. N. Singh

WHO, Professor, Queens University, Canada. "Advances in Genetic Mystery of Psychosomatic Disorders by Epigenesis and Utilisation of Nanoscience and Nanotecnology"

Dr. Ram K. Mishra

Professor, Psychiatry & Behavioral Neurosciences, McMaster University, Canada.

"A Novel Allosteric Modulator of the Dopamine D2 Receptor: Implication for Treatment for Schizophrenia using Nanoparticle Formulation"s

Dr. Ritesh Agarwal

Department of Materials Science and Engineering, University of Pennsylvania, Philadelphia, "The Wonderful World of One-Dimensional Nanowires"

Dr. Srinagesh Satyanarayana

Co-Founder & CEO, Nano Science Diagnostics, Inc. Austin TX, USA

"Advances in Electronics for Medical Diagnostics"

Dr. Sulatha Dwrakanath

Co-Founder & CTO Nano Science Diagnostics, Austin TX "Advances in Medical Diagnostics using Nanotechnology"

Convenor

Dr. Jamboor K. Vishwanatha

Director, Texas Center for Health Disparities University of North Texas Health Science Center, Texas "Triple Negative Breast Cancer: Novel biomarkers and therapeutic Targets"

Friday , January 6, 2012, 16.15pm – 18.00pm Venue : Campus – 6 Hall - 5

'Women's Science Congress' Science for Women

Session IV

Chairman

Dr. S. G. Senthilvel

SME & Solution Leader, Health Care and Life Sciences, IBM Software Group, Bangalore "IT for Empowerment of women"

Dr. Mukulika Hitkari

DGPG College, CSJM University, Kanpur Women – Motivation to Scientific Development

Prof. K. Rudramma Devi

Osmania University, Hyderabad Bio monitoring of occupationally women bidi rollers exposed to tobacco dust for DNA damage and Genetic polyphorphism

Dr. Padma Saxena

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

Dr. Sushama Chaphalkar

Inst. Of Biotech, Vidya Pratisthan, Baramati

Friday , January 6, 2012, 09.00am – 11.45am Venue : Campus – 6 Hall - 5

'Women's Science Congress' Science for Women Session V

Chairman: Dr. A. Anushya

Co-chairmain : Dr. S. Karpagam

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. Karle¹

¹PG Department of Physics, New Arts, Commerce and Science College, Ahmednagar, ²Biophysics laboratory, Department of Physics, University of Pune, Pune Effect of altered gravity (hypergravity) on germination (growth) of mungbean & chlorophyll pigment

A.Pethalakshmi ¹, **R.Raja Rajeswari** ¹, **A.Anushya** ²
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

Jyotshna Mahapatra,

Regional Institute of Education (NCERT), Bhubaneswar Let Us Know the Chemicals Present in Our Food

Dr.Paramita Deb, BARC, Mumbai

"Women working in Challenging areas of Science"

Friday , January 6, 2012, 11.00am – 12.15pm Venue : Campus – 6 Hall - 5

'Women's Science Congress' Poster Session

R. Annapurna Ramamurthy, T. Rajya Lakshmi Prabhu, S.V. University, Tirupati

Rural Livelihood Security – Role of Women Organizations

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

O.Kakade, P.G.Tadasad, T. Shanta Devi, S.R. Ghanti, S.R. Soudagar, S.A. Kazi, 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

Meera Patnaik and Supriya Patnaik,

Kalinga Institute of Social Sciences, Bhubaneswar *Stepping through Partnership*

Friday,	January 6,	2012,	16.15	5pm –	17.00pm
	Venue : Ca	ampus	-6	Hall - !	5

Tronich S Science Congress	'Women's	Science Congress'	Valedictory
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Friday, January 6, 2012, 09.00)am – 12.00pm
Venue : Campus – 6	Hall -1

Plenary Session	'Animal Alternatives in Teaching and
	Testing'

Chairman

Dr. Akbarsha Dorencamp

Chair, BDU, Tiruchirapalli

"Alternatives to Animals in Education, Research and Testing"

Speakers

Dr. M. C. Sathyanarayana

Adjunct Faculty ,Mahatma Gandhi Dorenkamp, University, Tiruchirappalli, Tamil Nadu, "Need for Animal Alternatives in Education and The

Alternative Resources"

Prof. Krishan K. Sharma

Dean, Faculty of Science, University of Rajasthan, Jaipur "Molecular and Bioacoustics tools along with high resolution digital imaging can obviate Animal killing in Biosystematics studies"

Dr. Surendra Ghaskadbi

Head, Animal Sciences Division Agharkar Research Institute, Pune

"Invertebrate alternatives for toxicity testing: Hydra stakes its claim"

Dr. (Mrs.) Shiranee Pereira

Senior Scientist Central Institute of Brackishwater Aquaculture, Chennai

"Testing times in toxicology—In vitro vs. In vivo Testing"

Dr. Balakrishna Murthy

Director, (IIBT) Tamil Nadu

"Reduction and Refinement Alternatives: Where, When and How"

Dr. Albert P. Li

President and CEO, A P Sciences Inc. Columbia, "Integrated Discrete Multiple Organ Co-culture (IdMOC) system for the evaluation of xenobiotic Properties"

Dr. Thomas Hartung

Director of the Center for Alternatives to Animal Testing (CAAT) Baltimore,

"From alternative methods to a new regulatory Toxicology"

Dr. Marcel Leist

Doerenkamp-Zbinden Chair for alternative in vitro methods, University of Konstanz, Germany

"A stem cell based test battery to detect developmental Neurotoxicants"

Dr. H. Hosseinkhani

Associate Professor Department of Biomedical Engineering National, Yang Ming University, Taiwan "Health risk of nanotechnology- Expanding the horizon of toxicity testing and need for more in vitro models"

Convenor Dr. R. Ramamurthi

Friday, January 6, 2012, 12.00pm – 13.00pm

Venue: Campus - 6 Hall - 1

Special Lecture Dr. S. R. Rao, DBT, New Delhi

'Genetic Products Regulatory Authority'

Chairman Dr. Ajay Parida

Executive Director, MSSRF, Chennai

Friday , January 6, 2012, 14.00pm – 15.00pm

Venue: Campus – 6 Hall-1

Special Lecture Dr. Gerta Fleissner

J.W. Goethe University, Germany

Chairman Prof. Santosh Kar,

KIIT University

Friday, January 6, 2012, 16.15pm – 17.00pm

Venue: Campus – 6 Auditorium

Public Lecture Dr. Ashok Kumar,

VC, CSJM University, Kanpur,

Chairman Prof. Omkar Mohanty

Former VC, BPIUT, Odisha

Friday, January 6, 2012, 17.00pm – 17.45pm

Venue: Campus – 6 Auditorium

Special Lecture Dr. M. K. Mishra,

VC, Lucknow University, Lucknow

Chairman Prof. S. S. Katiyar

Friday , January 6, 2012, 14.00pm – 17.00pm

Venue: Campus – 5 Auditorium

RASHTRIYA VIGYAN CHALA CHITRA MELA

Friday, January 6, 2012, 09.00am – 10.45am

Venue: Campus – 6 Hall -2

Plenary Session 'Clean Energy from Renewable sources'

Chairman

Dr. Y. B. Ramakrishna

Chairperson, Bio-fuel Board Govt. of Karnataka, Bangalore

Speakers

Dr. Shireesh B. Kedare

Adjunct Professor, Dept of Energy Sc. & Engg, IIT-Bombay,

"Solar Thermal Energy for today and future: Status and Challenges"

Dr. Hoysall Chanakya

Centre for Sustainable Technologies, IISC, Bangalore "Biogas Energy Made Accessible and Empowering by Keystone Technology Approach"

Dr. Girish Sant

Prayas Energy Group, Pune "Renewable Energy for Energy Availability and Affordability"

Professor Udipi Shrinivasa

Prof. Dept. of Mechanical Engineering, I ISC, Bangalore "The need for and the potential of biofuels for sustainable rural development in India"

Convenor

Dr. Divakar Rao

CEO, DGK Bio Agro Foods & Member Vision Group on Biotechnology Govt of Karnataka, Bangalore "Bio-Ethanol From Agri-Residues/Wastes – A Viable Option"

Friday , January 6, 2012, 11.00am – 13.00pm Venue : Campus – 6 Hall -2

Plenary Session 'Cancer Stem Cells'

Chairman Dr. Shrikant Anant

University of Illinois, Chicago "Notch signaling and Cancer Stem Cell"s

Co-Chair Dr. A. K. Saxena

Dr. Rita Ghosh

University of Texas School of Medicine, Texas "Therapeutic Options for Bladder Cancer: APotential Role for Cancer Stem Cells"

Dr. Chendil Damodaran

Texas Tech University Health Sciences, Texas "Inhibiting Wnt/Notch Signaling In Breast Cancer: Effect on Cancer Stem Cell Proliferation, Metastasis and Angiogenesis"

Dr. Animesh Dhar

University of Kansas Medical Center, Kansas "Cancer Stem Cells: Novel Target for Pancreatic Cancer"

Dr. Jean Marie Houghton

University of Massachusetts School of Medicine, Massachusetts

"Bone marrow derived stem cells in the development of gastric cancer"

Dr. Melissa H. Wong

Oregon Health & Science University, Oregon "The role of the cancer stem cell marker, CD166, in maintaining the stem cell niche"

Convenor Dr. R. Ramamurthi

Friday , January 6, 2012, 09.00am – 11.00pm Venue : Campus – 6 Hall -3

Panel Discussion 'Education for Sustainable Development'

Chairman Prof. M. S. Swaminathan

Chairman, MSSRF, Chennai

Co-Chair **Prof. P.C. Kesavan**

Distinguished Fellow, MSSRF, Chennai

Dr. Manju Sharma

Principal Advisor to the Dept. Science and Technology, Gujarat

Dr. Rajiv Tandon

Save the Child, New Delhi

Dr. Kartikeya Sarabhai

CEE India

Convenor Dr. Suman Sahai

Chairperson – Gene Campaign, New Delhi

Friday, January 6, 2012, 11.00am - 13.00pm

Venue: Campus – 6 Hall -3

Endowment Lectures 1, 2 and 3

Friday , January 6, 2012, 09.00am – 11.00pm Venue : Campus – 6 Hall -4

Plenary Session 'Agricultural Biotechnology in India-Scientific, Regulatory and Societal Challenges'

Chairman

Dr. C. S. Prakash Director, Center for Plant Biotechnology Research College of Agricultural, Tuskegee University, Tuskegee,

Dr. Sachin Chaturvedi

Senior Fellow, RIS, New Delhi

"Moving Forward with Agricultural Biotechnology: Need to Revisit Regulatory Framework"

Dr. Ronald J Herring

Cornell University, New York,

"Political Science on the Politics of Science: Understanding Divergent Outcomes in Agricultural Biotechnology"

DR.AMJAD M.HUSAINI

Scientist, Mountain Research Centre for Field Crops Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir.

"Biotech crops: Imperative for accomplishment of MDGs and agricultural sustainability in 21^{st} century"

V.K.V. Ravichandran

Farmer, Tamil Nadu

"Bio Tech Crops- Viable Option to enhance farm productivity: - A Farmer's Perspective"

P. Ananda Kumar

Project Director, NRC on Plant Biotechnology "Genetically Modified Crops in National Agricultural Research System"

Friday , January 6, 2012, 11.00am – 13.00pm Venue : Campus – 6 Hall -4

Panel Discussion 'S&T Policy Making and Ethical Issues and Concerns'

Chairman Dr. V. S. Ramamurthy,

Director, NIAS

Co-Chair Prof. Y S Rajan

ISRO

Dr. Yogehswar Rao

Advisor, GOI

Dr. Miltos Ladikas

Senior Research Follow Centre for Professional Ethics, UCLAN, UK

Dr. Michael Decker

Deputy Director, ITAS, Germany

Dr. Jan Staman

Director, Rathenau Institute, Netherlands

Dr. Zhao Yandong

Deputy Director, Institute of Science technology and Society CASTED, China

Dr. Ma Ying CASTED, China

Dr. K. Ravi Srinivas

Associate Fellow, Research and Information System, India

Convenor Dr. Sachin Chaturvedi,

Senior Fellow, RIS, New Delhi

Discussants Dr. C S Prakash

USA

Dr. Ron Herring

USA

Saturday , January 7, 2012, 09.00am – 11.00am Venue : Campus – 6 Hall - 1

Plenary Session 'Recent Advances in Pharmaceutical Sciences'

Chairman Dr. Chandradhar Dwivedi

South Dakota State University, South Dakota "Skin Cancer Prevention by α-Santalol"

Dr. Shivaji Rao Kadam

Vice Chancellor, Bharati Vidyapeeth University, Pune

Dr. C. G. K. Murthy

President, Indian Pharmaceutical Association, Kalina Santacruz(E), Mumbai

Dr. Rajyalakshmi Manda

DCI Doners Pvt. Ltd, Nashville, USA *Tissue banking in regenerative medicine*

Dr. K. Bhaskar Reddy,

Principal, Sri Venkateswara College of Pharmacy,

Prof. S. Rajarajan,

Professor & Head, P.G. & Research Department of Microbiology and Biotechnology,

Saturday, January 7, 2012, 11.00am – 13.00pm Venue: Campus – 6 Hall - 1

Plenary Session 'Energy and Sustainability for a Greener Tomorrow'

Chairman Dr. Navrati Saxena

Sungkyunkwan University, Suwon, S. Korea "Ecological Sustainability for a Green Future"

Dr. Abishek Roy, Manager Samsung Electronics, Suwon,S.Korea "Green Communications: Issues and Research

Dr. Shamik Sengupta

Directions"

John Jay College of Criminal Justice, City University of New York.

"Self-coexistence Issues in Cognitive Radio Networks: A Game Theoretic Approach"

Prof H. M. Gupta

Professor of Electrical Engineering, IIT, Delhi

Convenor Dr. Malti Goel

Emiratus Scientist & Visiting Faculty Center for Studies in Science Policy, JNU, New Delhi

"CO2 Sequestration, Carbon Trading and Women Empowerment for Sustainable Energy Future"

Saturday, January 7, 2012, 09.00am – 11.00am

	Venue : Campus – 6 Hall - 2	
Plenary Session	'Rural Livelihoods and Livestock	
	management'	

Chairman Dr. M. Rajashekar,

ICAR, Bangalore

'Enhanced rural livelihood through livestock health management'

Co-chair

Dr. V.V.S. Surayanarayana

Principal Scientist, IVRI, Bangalore

"Scope of Biotechnology in development of vaccines for

infectious diseases"

Speaker

Dr. Asit K. Pattnaik

University of Nebraska-Lincoln, Lincon

"Role of Porcine Reproductive and Respiratory Syndrome

Virus Proteins in Infection and Immunity"

Convenor

Dr. Atmaram

DRDO, Gwalior

"Yeast microbial cell factories for bulk production of recombinant protein of prophylactic and diagnostic importance- An example of Influenza A Hemagglutinin

recombinant protein"

Saturday, January 7, 2012, 11.00am – 13.00pm Venue: Campus – 6 Hall - 2

Plenary Session

'Water Scarcity to Water Security'

Chairperson

Mrs Sunita Nadamuni

CEO, Arghyam ,Bangalore

"The role of women in taking science to the community: Examples from the field and challenges ahead"

Ms. Priyanka Singh,

Chief Executive ,Seva Mandir

Dr. Sezine Bhimani,

Programme Coordinator, Arid Communities Technologies, Gujarat

Mr. Viswanath Srikantiah, Director Biome Environmental services Advisor Arghym

Ms. Nisha Thonpson, Data Expert, Arghyam

Saturday , January 7, 2012, 09.00am – 10.00am Venue : Campus – 6 Hall - 3

Task Force-Recommendations

Saturday , January 7, 2012, 10.00am – 10.30am

Venue: Campus – 6 Hall - 3

Special Lecture Dr. Hari S. Sharma,

Dept. of Pathology, V.U.University Amsterdam, The

Netherlands

"Molecular Mechanism of Angigenesis-----Pathology"

Chairman Prof. R. Rammurthy

Saturday , January 7, 2012, 10.30am – 11.00am

Venue: Campus – 6 Hall - 3

Special Lecture Dr. Lindsay Brown

Australia

"Functional foods in Health and Diseaeses"

Chairman Prof. R. Rammurthy

Saturday, January 7, 2012, 11.00am – 11.30pm

Venue: Campus – 6 Hall - 3

Special Lecture Dr. A. Appa Rao

Kakinada

Chairman Prof. A. S. Kolaskar

KIIT University

Saturday, January 7, 2012, 12.00pm – 13.00pm

Venue: Campus – 6 Hall - 3

Special Lecture Dr. V.C. Goyal

Head, Research Coordination & Management, National Institute of Hydrology, (Ministry of Water Resources,

GoI)

"Science & Technology for Water Security in Indian

Context"

Chairman Prof. L. K. Vaswani

KIIT University

Saturday, January 7, 2012, 12.30pm – 13.00pm

Venue: Campus – 6 Hall - 3

Special Lecture Dr. N. G. Hegde

BAIF, Pune

Chairman Prof. A S Kolaskar

KIIT University

Saturday , January 7, 2012, 16.30pm – 17.30pm

Venue: Campus – 6 Auditorium

General Body Meeting

Saturday , January 7, 2012, 18.00pm – 19.30pm

Venue: Campus – 6 KIIT Stadium

Valedictory function