

Science and Technology for Human Development

102nd Indian Science Congress 2015
3 – 7 January 2015

Indian Science Congress Association

PROGRAMME

Public, Plenary, Special Sessions
Sectional Programmes



Hosted by
University of Mumbai





PART – I

Public, Plenary, Special Sessions



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Schedule of Saturday, 3rd January, 2015

Time	Programme	Venue
09:00 am to 11:30 am	Inaugural Session	Main Pandal (MP)
11:30 am to 12:00 Noon	Exhibition-Inaugural Session	MMRDA Ground
12:00 Noon to 12:45 pm	Plenary Session: Mars Mission ✓ K Radhakrishnan	Main Pandal (MP)
12:50 pm to 01:30 pm	Plenary Session: International Academies Speakers ✓ Chunli Bai ✓ Romain Murenzi	Main Pandal (MP)
01:30 pm to 02:30 pm	LUNCH	
02:30 pm to 04:30 pm	Plenary Session: Mathematics and Computing ✓ S R S Vardhan, Abel Prize (2007) ✓ Subhash Khot, Rolf Nevanlinna Prize (2014) ✓ Manjul Bhargava, Field Medalist (2014) ✓ Madhu Sudan, Rolf Nevanlinna Prize (2002)	Alkesh Dinesh Modi Auditorium (ADMA)
03:00 pm to 05:00 pm	Public Outreach Session: ✓ Chair: Minister of Science & Technology, ✓ Co-chair: Principal Scientific Advisor, Gol, ✓ Panelists : All Secretaries & Chairpersons of Science Departments	Main Pandal (MP)
05:00 pm to 06:15 pm	✓ Randy Schekman, Nobel Laureate ✓ Sabeeha Merchant, Univ of California, Berkeley, USA	Sports Complex (SPC)
06:15 pm to 07:00 pm	✓ Muhammad Yunus, Nobel Laureate	Main Pandal (MP)
07:00 pm to 08:00 pm	Cultural Program	
07:30 pm to 09:00 pm	Dinner	

Schedule of Sunday, 4th January, 2015

Parallel Session→	I Venue: KKBS-001	II Venue: ADM	III Venue: PMB-9A	IV Venue: NS-118	V Venue: GT-001	VI Venue: SRC-114	VII Venue: SPC
S.No./ Timing ↓	09:15am -10:00 am Ada E Yonath Nobel Laureate	09:15 am to 11:15 am Science and Technology in SAARC Countries	10:15 am to 01:30 pm Recent Progress and Future Prospective for Stress Tolerance in Plants	10:15 am to 01:30 pm Nutrition & Health	09:15 am to 11:15 am Science & Interface	10:15 am to 01:30 pm Environmenta I Health	9:30 am to 01:30 pm Ancient Sciences through Sanskrit
11:15 to 11:30 am	10:15 am to 01:30 pm Emerging Frontiers in Nuclear Magnetic Resonance and its Applications	TEA BREAK		TEA BREAK			
11:30 am to 01:30 pm		Mega Science Projects in Astronomy		11.30 am to 01.30 pm Number Theory Venue: DB-204	Advances in Computation of Electronic Structure ACES-2015		
03:30 pm to 5:15pm	Clean India R A Mashelkar Venue: Main Pandal (MP)						
5:30 pm to 6:15 pm	Evening Public Lecture Atsuto Suzuki						
6:15 pm to 7:00 pm	Paul Nurse, Nobel Laureate Venue: Sports Complex (SPC)						

Schedule of Monday, 5th January, 2015

Schedule of Monday, 5 th January, 2015							
Parallel Session→ S.No./ Timing ↓	I Venue: ADM	II Venue: CDD-009	III Venue: GT-001	IV Venue: PMB-9A	V Venue: NS-118	VI Venue: SPC	VII Venue: SRC-114
09:15 am to 11:15 am	Biodiversity Conservation- Current Issues and Way Forward	Health & Development	Holistic Approach to Atomic Energy- Present and Future	Space Science and Space Technology	Internet 2025 - its impact on Research and Higher education	Tribal People's Health: Challenges for Science and Technology	GM Crops- the use of Modern Biotechnology in Agriculture
11:15 am to 11:30 am			TEA BREAK				
11:30 am to 01:30 pm			Application of Mathematical Modeling to Societal Issues	Soft Matter	Special Plenary Session		
2:30 pm to 4:30 pm	STEM (Science, Technology, Engineering & Mathematics) for Human Skill Development Chaired by R Chidambaram VENUE: Sports Complex (SPC)						
4:30 pm to 6:45 pm	Evening Public Lectures : ✓ Bernard Bigot ✓ Abhay Ashtekar ✓ Robin Warren, Nobel Laureate (Physiology/Medicine 2005) VENUE: Sports Complex (SPC)						

Schedule of Tuesday, 6th January, 2015

Parallel Session→ S.No./ Timing ↓	I Venue: Nano (NS-118)	II Venue: KKBS-001	III Venue: GT-001	IV Venue: ADM	V Venue: PMB-9A	VI Venue: SRC-114	VII Venue: SPC
09:15 am to 11:15 am	The Dynamic Earth and its Near and Far Environment: New Paradigms	Climate Change and Society: Past, Present and Future	Agricultural Statistics	Targeting Translational & Post Translational Modification in Health and Diseases	Clean Energy systems for the future	Urban Development	Future of The Past
11:15 am to 11:30 am			TEA BREAK				
11:30 am to 01:30 pm			Disaster Management	Aquaculture and Marine Biotechnology for Human Health	High Energy Physics in 2014		
02:30 pm to 04:30 pm	Challenges to Education in Modern India Venue: Nehru Centre						
03:00 pm to 05:30 pm	Make In India Venue: Main Pandal (MP)						
5.30 pm to 7.30 pm	Panel discussion on Focal Theme : Science & Technology for Human Development Chair : S B Nimse (General President) Venue : Pherozshah Mehta Hall (PMB-9A) All Sectional Presidents and Senior Academicians are invited to participate in this panel discussion.						

Schedule of Wednesday, 7th January, 2015

Parallel Session→	I Venue: Fort Campus	II Venue: ADM	III Venue: PMB-9A
S.No./ Timing ↓	9:30 am to 01:30 pm Science and Technology for Inclusive Development	Tissue Banking & Tissue Engineering	Employment of Technologies for Counter Terrorism Operations
09:15 am to 11:15 am	9:30 am to 01:30 pm Science and Technology for Inclusive Development		
11:15 am to 11:30 am		TEA	
11:30 am to 01:30 Pm		Recent advances in Cancer Biology	Research needs in the field of Environmental Sciences



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Saturday, January 3, 2015, 09:00 – 11.30 am
Venue : Main Pandal (MP)

Inaugural Session

Saturday, January 3, 2015, 11:30 – 12.00 noon
Venue : Main Pandal (MP)

Inauguration of Exhibition

Saturday, January 3, 2015, 12:00 – 12.45 pm
Venue : Main Pandal (MP)

Plenary Session

Mars Mission

Chairman Pramod Kale

Speaker K Radhakrishnan
Chairman, Indian Space Research Organization

“Mars Mission”

Liaison Officer: S K Ukarande

Saturday, January 3, 2015, 12:50 – 01.30 pm
Venue : Main Pandal (MP)

Plenary Session

International Academies' Speakers

Chairman M Barma

Speakers Chunli Bai
President, Chinese Academy of Sciences. The World Academy of Sciences TWAS-for the advancement of science in developing countries
Romain Murenzi
Executive Director, TWAS, The World Academy of Sciences TWAS - for the advancement of science in developing countries, Strada Costiera, Trieste, Italy

Liaison Officer: Anuradha Misra



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Saturday, January 3, 2015, 02:30 pm to 04:30 pm
Venue : Alkesh Dinesh Modi Auditorium (ADM)

Plenary Session

Mathematics and Computing

Convener S R S Vardhan

Chairman: S B Nimse

Speakers

S R S Vardhan

Abel Prize (2007), Dept. of Mathematics, New York University USA

"Entropy and Probability"

Manjul Bhargava

Field Medalist (2014), Dept. Mathematics, Princeton University , USA

"Recent Advances in Number Theory "

Subhash Khot

Rolf Nevanlinna Prize (2014), Dept. of Computer Science, New York University, USA

"Frontiers in Theoretical Computer Science"

Madhu Sudan

Rolf Nevanlinna Prize (2002), Microsoft Research New England, One Memorial Drive
Cambridge, MA 02142, USA

"Reliable Meaningful Communication"

Liaison Officer: Sudhir Ghorpade



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Saturday, January 3, 2015, 03:00 pm to 05:00 pm
Venue : Main Pandal (MP)

Public Outreach Session

- Chairman** **Dr. Harsh Vardhan**
Minister of Science & Technology, Government of India
- Convener** **R Chidambaram**
Principle Scientific Advisor to the Government of India
- Speakers** **All Secretaries of Science Departments**
- K VijayRaghavan**
Secretary, Department of Biotechnology (DBT), Government of India and
Secretary, Department of Science & Technology (DST), Government of India
- K Radhakrishnan**
Chairman, Indian Space Research Organization (ISRO)
- V M Katoch**
Director General, Indian Council of Medical Research (ICMR)
- Shailesh Nayak**
Secretary, Ministry of Earth Sciences and Chairman, Earth Commission
- R K Sinha**
Secretary, Department of Atomic Energy (DAE), and Chairman, Atomic Energy Commission
- P S Ahuja**
Director-General , Council of Scientific and Industrial Research (CSIR)
- S Ayyapan**
Secretary, Department of Agricultural Research and Education (DARE) and
Director General, Indian Council of Agricultural Research (ICAR)
- Avinash Chander**
Secretary, Defence Research and Development Organisation (DRDO)
- Coordinator** **Shailesh Nayak**
Secretary, Ministry of Earth Sciences and Chairman, Earth Commission
- Liaison Officer: A K Srivastava**



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Saturday, January 3, 2015, 05:00 pm to 06:15 pm
Venue : Sports complex (SPC)

Symposium

Plenary Session

Chairman **N K Ganguly**

Speakers **Randy Schekman**

Nobel Prize in Physiology or Medicine 2013

Department of Molecular & Cell Biology, University of California, Berkeley, USA

“How cells export proteins”

Sabeeha Merchant

Department of Molecular and Cell Biology, University of California, Berkeley, USA

“Selective sub-cellular visualization of trace metals identifies dynamic sites of Fe and Cu accumulation in Chlamydomonas”

Liaison Officer: D C Kothari

Saturday, January 3, 2015, 06:15 pm to 07:00 pm
Venue : Main Pandal (MP)

Evening Public Lecture

Chairman **Anil Kakodkar**

Speakers **Muhammad Yunus**

Nobel Peace Prize (2006)

Liaison Officer: Shubhada Joshi

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SYMPOSIA PROGRAMME OF 04 JANUARY 2015



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Sunday, January 4, 2015, 9:15 am – 11.15am
Venue : Green Technology Auditorium (GT-001)

Symposium

Session: Science & Interface

Convener	Haiwon Lee	Chairman	Rajpal S Hande
Speakers	Jae-Kyung Kim Member of Parliament, South Korea		
	Haiwon Lee President of Korea Nanotechnology Research Society, Seoul <i>“Talent mobility and global research networking in science and technology”</i>		
	Kyung-Ho Shin Director General of Technology Policy Research Institute/Korea Institute of Science and Technology, Seoul <i>“Bridge program for the crystallization of science and technology”</i>		
	Paul Jeong Director General, Institute of Science & Technology Management, Christ University, Bangalore <i>“Science business showcase in Korea : PE-IGCC”</i>		
	Michiel Kolman Senior Vice President, Global Academic Relations <i>“India’s Research Performance compared to peers with specific focus on the Rankings of the Indian Institutions”</i>		
Coordinator	H Muthurajan		



Sunday, January 4, 2015, 10:15 am – 01.30 pm
Venue : Phirozshah Mehta Bhawan (PMB-9A)

Symposium

Session: Recent Progress and Future Prospective for Stress Tolerance in Plant

Convener	C S Nautiyal	Chairman	C R Bhatia
Speakers	Asis Datta Emeritus Professor, National Centre for Plant Genome Research, New Delhi <i>“Genetic Engineering for Stress Tolerance and Nutritional Enrichment of Crops”</i>		
	A S Raghvendra Coordinator, School of Life Sciences, University of Hyderabad <i>“Photorespiration is a Part of Plant Response to Abiotic Stress”</i>		
	J P Khurana Coordinator & Head, Dept. of Plant Molecular Biology, University of Delhi <i>“Functional Genomics for Identifying Genes Associated with Abiotic Stress Response in Rice”</i>		
	L C Rai Coordinator & Head, Dept. of Botany, Banaras Hindu University, Varanasi <i>“Unveiling Arsenic Toxicity in Anabaena PCC7120 through Proteomics, Genomics and Bioinformatics”</i>		
	M V Rajam Head and Coordinator, Department of Genetics, Delhi University, New Delhi <i>“Engineering Biotic Stress Tolerance in Tomato by RNA Interference”</i>		
	P S Ahuja Director General, Council of Scientific & Industrial Research, New Delhi <i>“Role of Anti-Oxidant Genes in Imparting Stress Tolerance in Plants”</i>		
Coordinator	Sasikumar Menon		



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Sunday, January 4, 2015, 09:15 am – 11.15 am
Venue : Alkesh Dinesh Modi Institute (ADM)

Symposium

Session: Science and Technology in SAARC Countries

Convener	Rajiv K Saxena	Chairman	R Gadagkar
Speakers	A M Mubarak (Sri Lanka) Vice President of the National Academy of Sciences <i>“Technology Capacity-Building, Promotion and Management of Innovation”</i>		
	Quazi Abdul Fattah (Bangladesh) Fellow, Bangladesh Academy of Sciences		
	V M Katoch (India) Director General, Indian Council of Medical Research (ICMR)		
	Sameer M Dixit (Nepal) Country Director & Public Health Biomedical Scientist, Center for Molecular Dynamics, Nepal <i>“Science and Technology in SAARC Region for the future: Lessons from Nepal”</i>		
	R K Saxena Vice President, South Asian University, New Delhi <i>“Need for a forum for biologist and biotechnologists in South Asia”</i>		
Coordinator	Sanjay Deshmukh		



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Sunday, January 4, 2015, 10:15 am – 1.30am
Venue : Nano (NS-118)

Symposium

Session: Nutrition & Health

Convener	Prabhakar Ranjekar	Chairman	R. Ramamurthy
Speakers	Gabriel Fernandes Health Science Center, Department of Medicine, San Antonio, TX, USA <i>"Protective Role of N-3 Fatty Acids during Health and Disease"</i>		
	Anil D Kulkarni Professor of Surgery, University of Texas Medical School, Houston, TX, USA <i>"Immunonutrition, Functional Foods, and Global Health projects in resource limited settings"</i>		
	Umesh Kapil Department of Human Nutrition, All India Institute of Medical Sciences, New Delhi <i>"Current Evidence of Successful Food Fortification Program in India"</i>		
	A Laxmaiah Sr. Deputy Director, National Institute of Nutrition, Indian Council of Medical Research, Hyderabad <i>"Dietary Risk Factors for Non Communicable Diseases"</i>		
	Sadhana Joshi Head, Dept of Nutritional Medicine, BharatiVidyapeeth Deemed University, Pune <i>"Maternal Nutrition and its effect on health in the next generation"</i>		
	Harish Pant Distinguished Senior Scientist, National Institute of Neurological Disorders and Stroke, National Institutes of Health, Bethesda, Maryland, USA <i>"Novel peptides ameliorate neurodegenerative disease and prolong life in Alzheimer's and motor neuron disease in model mice"</i>		
	Arvind Kumar Shukla Indian Institute of Soil Science, Bhopal, Madhya Pradesh <i>"Micronutrients and human/animal health: A way out through soil-plant system"</i>		
Coordinator	Laxmi Menon		

Sunday, January 4, 2015, 09:15 am – 10.00 am
Venue : Kavi Kusumagraj Bhasha Sankul (KKBS-001)

Plenary Session

Chairman	Geetha Bali
Speakers	Ada E Yonath Nobel Laureate (Chemistry 2009) The Martin S. and Helen Kimmel Professor of Structural Biology, Weizmann Institute of Science Rehovot, Israel <i>"Ribosomes, Resistance to Antibiotics and Origin of Life"</i>
Liaison Officer:	A V Karnik



Sunday, January 4, 2015, 10:15 am – 01.30 pm
Venue : Kavi Kusumagraj Bhasha Sankul (KKBS-001)

Symposium

Session: Emerging Frontiers in Nuclear Magnetic Resonance and its Applications

Convener & Chairman: R V Hosur

Speakers

P K Madhu

Tata Institute of Fundamental Research (TIFR), Mumbai

"Probing Amyloid- β fibrils and transient oligomers with solid-state NMR"

Ashish Arora

Central Drug Research Institute (CDRI), Lucknow

"Solution structures and dynamics of Actin Depolymerization Factors/Cofilins and homologous proteins"

Hanudatta S Atreya

NMR Research Centre, Indian Institute of Science (IISc), Bengaluru

"Fast NMR spectroscopy for probing structure and dynamics of biomolecules"

T S Mahesh

Indian Institute of Science Education and Research (IISER), Pune

"Nuclear Spins as Quantum Testbeds: Progress and Prospects"

Subhash Khushu

Institute of Nuclear Medicine & Allied Sciences (INMAS), New Delhi

" New Frontiers in NMR Imaging: Application to Cognitive Neuroscience"

Pushpa Mishra

Department of Chemical sciences, Tata Institute of Fundamental Research (TIFR), Mumbai

"Structure and Dynamics of Plasmodium falciparum P2 homo-tetramer"

Himanshu Singh

Departments of Chemical Sciences, Tata Institute of Fundamental Research (TIFR), Mumbai

"Visualization of green micro-alga Chlamydomonas reinhardtii by Nuclear Magnetic Resonance"

R V Hosur

"Concluding remarks"

Coordinator **Neeraj Agarwal**



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Sunday, January 4, 2015, 9:30 am – 01.30 pm
Venue : Sports Complex (SPC)

Symposium

Session: Ancient Sciences through Sanskrit

Convener & Chairperson: Uma Vaidya

Speakers

Uma Vaidya

Vice Chancellor, Kavikulaguru Kalidasa Sanskrit University

Prakash Javadekar

Union Minister of State, Information and Broadcasting (Independent Charge), Environment, Forest and Climate Change (Independent Charge) and Parliamentary Affairs

Vijay Bhatkar

Founder Chancellor, Multiversity and National President, Vijnana Bharati

Gauri Mahulikar

Associate Professor and Head, Department of Sanskrit, University of Mumbai
“Ancient Indian Sciences”

Ashok S Nene

Professor of Civil Engineering (Retd), VNIT Nagpur

“Engineering Applications of Ancient Indian Botany”

Veena Londhe

Ex. S.A. Dange Professor, Department of Sanskrit, University of Mumbai

“Neuro Science of Yoga: Understanding the Process – Part A”

Leena Phadke

Associate Professor, Smt Kashibai Navale Medical College, Pune

“Neuro Science of Yoga: Understanding the Process – Part B”

Captain Bodas¹ and Ameya Jadhav²

¹Retired Principal, Pilot Training Centre

²Lecturer, Swami Vivekanand International School and Junior College

“Ancient Indian Aviation Technology”

Ashwin Sawant

“Advances in surgery in ancient India”

Asawari Bapat

Visiting Faculty, Department of Sanskrit, University of Mumbai

“Scientific Principles of Ancient Indian Architecture and Civil Engineering”

Rahul V Altekar

Consultant

“Scientific Principles of Ancient Indian Architecture and Civil Engineering”

Binny Sareen

Spiritual Counseling & PR & Media at Global Hospital

“Science and Spirituality”

Coordinator **Gauri Mahulikar**



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Sunday, January 4, 2015, 11:30 am – 01.30 pm
Venue : Green Technology Auditorium (GT-001)

Symposium

Session: Advances in Computation of Electronic Structure ACES-2015

Convener & Chairman : S R Gadre

Speakers

Kimihiko Hirao

RIKEN, Advanced Institute for Computational Science, Minatojima-minami, Chuo, Kobe, Japan
"The K Computer and Computational Chemistry"

Stefan Grimme

Chair of Theoretical Chemistry, Mulliken Center for Theoretical Chemistry, University of Bonn, Germany

"Quantum Chemistry for Supramolecular Complexes"

Walter Thiel

Max Planck Institute for Coal Research, Mulheim an der Ruhr, Germany

"Chemistry with the Computer"

H Bernhard Schlegel

Professor of Chemistry, Wayne State University, Detroit, Michigan, USA

"Computational simulation of molecules interacting with intense laser fields: A new frontier in chemistry and physics"

Shridhar R Gadre

Department of Chemistry, Indian Institute of Technology, Kanpur, India

Coordinator Sanjeev Chacko



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Sunday, January 4, 2015, 11:30 am – 01.30 pm
Venue : Alkesh Dinesh Modi Institute (ADM)

Symposium

Session: Mega Science Projects in Astronomy

Convener & Chairman: Ajit Kembhavi

Speakers

Abhay Ashtekar

Director, Institute for Gravitation and the Cosmos, Pennsylvania State University Park, PA, USA
“The Very Early Universe Origin of Space, Time and the Large Scale Structure”

Yashwant Gupta

Dean, GMRT Observatory & Senior Professor, National Centre for Radio Astrophysics (NCRA), Tata Institute of Fundamental Research, Ganeshkhind, Pune
“Square Kilometre Array : The Radio Telescope Mega-Project”

S Seetha

Space Science Office, ISRO Headquarters, Antariksh Bhavan, Bengaluru
“ASTROSAT: the large Multiwavelength Indian Satellite Mission”

Tarun Souradeep

Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune
“LIGO-India: An Indian adventure in Gravitational wave astronomy”

Eswar Reddy

Indian Institute of Astrophysics (IIA), Koramangala, Bangalore
“India's Participation in the Thirty Meter Telescope International Observatory”

Ajit Kembhavi

Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune

Coordinator Gargi Shaw



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Sunday, January 4, 2015, 10:15 am – 01.30 pm
Venue : Shankar Rao Chavan Auditorium (SRC-114)

Symposium

Session: Environmental Health

Convener	P K Seth	Chairman	V M Katoch
Speakers	V M Katoch Secretary, Department of Health & Director General, Indian Council of Medical Research, New Delhi		
	Habibullah Saiyed Ex. Director, Former Director National Institute of Occupational Health (ICMR), Ahmedabad <i>“Male Reproductive Development Effects of Endosulfan and Lead in School Children”</i>		
	ATK Rau Consultant – Pediatrics, M S Ramaiah Memorial Hospital, MSRIT Post, Bangalore <i>“Environmental Toxins and Child Health – Where are we today?”</i>		
	D N Guha Mazumder Prof. & Head, Dept. of Medicine & Gastroenterology, (Retd.), Institute of Post Graduate Medical Education & Research (IPGME&R), Kolkata <i>“Effect of Drinking Arsenic-Contaminated Water in Children”</i>		
	Kannan Krishnamurthi Principal Scientist, National Environmental Engineering Research Institute, Nehru Marg, Nagpur <i>“Evaluation of endocrine disruptors (pesticides), their influence on environmental health using exposure and effect biomarkers”</i>		
	P K Seth CEO, Biotech Park, & Former Director, Indian Institute of Toxicology Research, Lucknow		
Coordinator	Jayaraj Nair		



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Sunday, January 4, 2015, 11:30 am – 01.30 pm
Venue : Dept. of Mathematics, Dynaneshwar Bhawan, 2nd Floor Seminar Hall (DB-204)

Symposium

Session: Number Theory

Convener J K Verma **Chairman** Ravi Rao

Speakers **M Ram Murty**
Queens Research Chair, Head, Dept of Mathematics & Statistics, Ontario, Queen's University, Canada
"Mathematics and Technology"

Dinesh Thakur
Department of Mathematics, University of Rochester, USA
"Automata and Number theory"

Mahesh Kakade
Department of Mathematics, Kings College, London

Holowinsky Roman
Department of Mathematics, Ohio State University, USA
"Advancements in applications of the delta-method in Number Theory"

Coordinator Rajendra P Deore

Sunday, January 4, 2015, 03:30 – 05.15 pm
Venue : Main Pandal (MP)

Session

Clean India

Convener & Chairman : R A Mashelkar

Speakers **Sudheendra Kulkarni**
Chairman, Observer Research Foundation, Mumbai

Rajeev Kher
CEO, 3S & Sara Plast Pvt Ltd, Pune
"Sustainable sanitation solutions for Rurban and transient India"

Pradeep Lokhande
Founder, Rural Relations, Pune

Swapnil Chaturvedi
CEO, Samgra, Pune
"Psychology and Technology for Clean(er) India"

Coordinator Gautam Gawali



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Sunday, January 4, 2015, 05:30 – 6:15 pm
Venue : Sports Complex (SPC)

Evening Public Lecture - I

Chairman S Kailas

Speakers Atsuto Suzuki
Director General, The High Energy Accelerator Research Organization (KEK), Japan

Coordinator D C Kothari

Sunday, January 4, 2015, 06:15 – 07.00 pm
Venue : Sports Complex (SPC)

Evening Public Lecture - II

Chairman Naresh Chandra

Speakers Paul Nurse
Nobel Laureate (Physiology/ Medicine 2001)
London Research Institute, London

“Controlling the Cell Cycle”

Liaison Officer: Puneet Misra



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Science and Technology for Human Development

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SYMPOSIA PROGRAMME OF 05 JANUARY 2015



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Monday, January 5, 2015, 09:15 – 01.30 pm
Venue : Alkesh Dinesh Modi Auditorium (ADM)

Symposium

Session: Biodiversity Conservation-Current Issues and Way Forward

Convener	R Rammurthi	Chairman	R C Sobti
Speakers	Hem Pande Chairman, NBA, Chennai <i>“Overview of Biodiversity Governance in India”</i>		
	R Ramamurthi ISCA EC Member, INSA Scientist, S. V. University, Tirupati <i>“Aichi targets and Education for Sustainable Development”</i>		
	J K Mishra Department of Ocean Studies and Marine Biology, Pondicherry University <i>“Marine Biodiversity: Its Promises and Strategies for their Conservation”</i>		
	W S Lakra Central Institute of fisheries Education, Mumbai <i>“Aquatic Biodiversity Conservation : Issues And Strategies”</i>		
	S Subramaniyan Member, NBA, Chennai <i>“Traditional Knowledge and SHG”</i>		
	Krishna Dronamraju Michele Wambaugh, Foundation for Genetic Research, Houston, TX, USA <i>“Conservation of Biodiversity “hot spots” with special reference to Remote Sensing”</i>		
	Pudur Jagadeeswaran Department of Biological Sciences, University of North Texas, Denton TX76203, USA <i>“Unity in Biodiversity: Genome-Wide Knockdowns in Zebrafish to Study Thrombocyte Function”</i>		
	Paramjit Singh Director, BSI, Kolkata <i>“Plant Scape Issues in India And Conservation Strategies”</i>		
Coordinator	S S Barve		



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Monday, January 5, 2015, 09:15 – 11.15 am
Venue : Sports Complex (SPC)

Symposium

Session: Tribal People's Health: Challenges for Science and Technology

Convener	Abhay Bang	Chairman	Snehlata Deshmukh
Speakers	Neeru Singh Director, National Institute of Research in Tribal Health (NIRTH), Jabalpur <i>"High priority diseases in ST population awaiting solutions"</i>		
	Chander Shekhar International Institute for Population Sciences, Mumbai <i>"Population and Health Situation of India's Scheduled Tribe Population: Opportunities and Challenges in 21st Century"</i>		
	A Laxmaiah Scientist –F & Head, Division of Community Studies, National Institute of Nutrition, ICMR Hyderabad <i>"Nutritional problems in tribal population in India and awaiting solutions"</i>		
	Abhay Bang Director, SEARCH, Gadchiroli, Maharashtra <i>"Tribal Friendly Health Care : Taking health sciences to the tribal people"</i>		
	Vivek Sawant Managing Director, Maharashtra Knowledge Corporation Limited, Pune <i>"How to bridge the educational gap in ST population using IT ?"</i>		
	V M Katoch Secretary, Dept of Health Research, Govt. of India and Director General ICMR, New Delhi <i>"A Research Agenda for the Scientists"</i>		
Coordinator	Jyotosana Dongerdive		



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Monday, January 5, 2015, 09:15 – 11.15 am
Venue : Green Technology Auditorium (GT-001)

Symposium

Session: Holistic Approach to Atomic Energy- Present and Future

Convener & Chairman: Anil Kakodkar

Speakers

S P Sukhatme

Professor Emeritus, Indian Institute of Technology, Powai

“India's Future Needs of Electricity”

Shekhar Basu

Bhabha Atomic Research Centre, Mumbai

“Applications of Atomic Energy in Service of the Nation”

Dhiraj Bora

Director, Institute for Plasma Research, Bhat, Gandhinagar, Gujarat

“Fusion – An alternate source of energy”

R K Sinha

Department of Atomic Energy

Bernard Bigot

Chairman, French Alternative Energies and Atomic Energy Commission

Arunabha Ghosh

Council on Energy, Environment and Water

Coordinator

Nainesh Patel

Monday, January 5, 2015, 09:15 – 11.15 am
Venue : Phirozshah Mehta Bhawan (PMB-9A)

Symposium

Session: Space Science and Space Technology

Convener

K Sivan

Chairman

D Narayan Rao

Speakers

S Arunan

Project director, Mars orbiter mission, Project director, ISAC

“Mars orbiter mission”

M Nageswara Rao

Project director, IRNSS Space Segment & GSAT 14 Spacecraft, ISAC

“IRNSS -Indian regional navigation satellite system”

S Somanath

Project Director, GSLV MkIII & Deputy Director, VSSC

“Beyond GSLV – Future Space Transportation Systems & Capabilities”

P G Diwakar

Dy. Director, NRSC, Hyderabad

“Space based inputs for management of natural resources: present scenario and future requirement”

T Srinivas Kumar

Scientist, ESSO-INCOIS, Hyderabad

“Space applications – Oceans”

Coordinator

Anil Raghav



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**Monday, January 5, 2015, 09:15 – 11.15 am
Venue : Nano Centre (NS-118)**

Symposium

Session: Internet 2025 - its impact on Research and Higher education

Convener & Chairman : Ashok Kolaskar

Speakers

Kevin L Thompson

Division of Advanced Cyber infrastructure, National Science Foundation, USA

“International Research and Education Networking at the U.S. National Science Foundation”

Bijendra Nath Jain

Vice-Chancellor, Birla Institute of Technology and Science, Pilani

“The role of ICT in improving quality of instruction and in expanding opportunities for higher education in India”

Stephen Wolff

Washington, DC 20036, USA

“The Internet, Reloaded”

Shefali S Dash

Deputy Director General, National Informatics Centre, Department of Electronics & Information Technology, Government of India

“Internet Revolution 2025: Are we ready yet?”

A S Kolaskar

“Case Studies of Internet Impact on Research and Education”

Bharat Bhasker

Professor, IT & Systems, Indian Institute of Management Lucknow

“Impact of Digital Technology on Society”

Coordinator R Srivaramangai



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Monday, January 5, 2015, 9:15 – 01.30 pm
Venue : Shankar Rao Chavan Auditorium (SRC-114)

Symposium

Session: GM Crops - the use of Modern Biotechnology in Agriculture

Convener	Asis Datta	Chairman	R S Paroda
Speakers	Bryan Delaney Global Industry Affairs and Regulatory, USA <i>“Safety Assessment of Intractable Proteins from Genetically Modified Crops”</i>		
	Miguel Ángel Gómez Lim Cinvestav, Unidad, Irapuato, Mexico		
	Dilip Kumar Chief Technical Adviser for FAO		
	Deepak Pental Department of Genetics, University of Delhi		
	Swapan Kumar Datta Deputy Director General (Crop Science), Division of Crop Science, Indian Council of Agricultural Research (ICAR), New Delhi		
	Anupam Verma INSA Sr. Scientist, Indian Agriculture Research Institute, New Delhi		
Coordinator	Bina Punjabi		

Monday, January 5, 2015, 9:15 – 11.15 am
Venue : C.D. Deshmukh Bhavan (Psychology Dept.,) (CDD-009)

Symposium

Session: Health & Development

Convener	Sandeep Kumar	Chairperson	Manju Shrama
Speakers	Sandeep Kumar Director, All India Institute of Medical Sciences (AIIMS), Bhopal <i>“Health and Development – Executive Summary”</i>		
	Vijayshil Gautam Professor and Head, Trauma and Emergency Care, All India Institute of Medical Sciences AIIMS, Patna <i>“Road Safety & Trauma Prevention”</i>		
	K Srinath Reddy President, Public Health Foundation of India <i>“Non Communicable Diseases - A Threat to Health and Sustainable Development”</i>		
	Narendra Kumar Arora Executive Director - International Clinical Epidemiology Network, India <i>“Economic Development And Child Health – Executive Summary”</i>		
Coordinator	Padma Deshmukh		

Monday, January 5, 2015, 11:30 – 01.30 pm



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Symposium

Session: Evening Public Lecture - I

Chairman **R K Sinha**

Speakers **Bernard Bigot**

Chairman of the French Alternative Energies and Atomic Energy Commission (CEA)

Liaison Officer: Ameeya Bhagwat

Monday, January 5, 2015, 05:15 pm to 06:00 pm

Venue : Sports Complex (SPC)

Symposium

Session: Evening Public Lecture - II

Chairman **Ajit Kembhavi**

Speakers **Abhay Ashtekar**

Institute for Gravitational Physics and Geometry at Pennsylvania State University

“Gravitation and the Cosmos 100 Years after Einstein's Discovery of General Relativity”

Liaison Officer: Radha Srinivasan

Monday, January 5, 2015, 06:00 pm to 06:45 pm

Venue : Sports Complex (SPC)

Symposium

Session: Evening Public Lecture - III

Chairman **Rajan Welukar**

Speakers **Robin Warren**

Nobel Laureate (Physiology/Medicine 2005)

Royal Perth Hospital, Australia

Sharad Shah

Gastroenterologist, Breach Candy Hospital, Mumbai

Liaison Officer: A K Srivastava



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Tuesday, January 6, 2015, 09:15 am – 01.30 pm
Venue : Nano (NS-118)

Symposium

Session: The Dynamic Earth and its Near and Far Environment: New Paradigms

Convener & Chairman: S Gurubaran

Speakers

Nat Gopalswamy

NASA Goddard Space Flight Center, Greenbelt, MD, USA

“Earth-Affecting Solar Eruptions”

V K Gaur

Distinguished Professor CSIR-CMMACS, NAL Belur Campus, Bengaluru

“Earthquake Hazard Assessment in the Indian Continent and A Critique of the VAN Method”

Prasad Subramanian

Indian Institute of Science Education and Research (IISER), Pune

“Living with our Star, the Sun”

Lucie Rolland

Physicienne Adjointe, Geoazur/ Observatoire de la Cote d' Azur, University of Nice, France

“Ionospheric Seismology: Monitoring Earthquakes and Tsunamis from Space”

Joanna Haigh

Professor of Atmospheric Physics, Co-Director Grantham Institute – Climate Change and Environment
Imperial College London, London

“Solar Variability and Climate”

S K Tandon

Indian Institute of Technology, Kanpur

“Climate-Energy CO₂ Challenges and the CCS (Carbon Capture and Storage) Debate”

Coordinator Geetha Menon



Tuesday, January 6, 2015, 09:15 – 11.15 am
Venue : Kavi Kusumagraj Bhasha Sankul (KKBS-001)

Symposium

Session: Climate Change and Society: Past, Present and Future

Convener **Dhruv Sen Singh**

Speakers

S Rajan

Director, National Centre for Antarctic and Ocean Research, Goa

“Do the polar regions influence the Indian Monsoon?”

A D Singh

Micropaleontology & Paleoceanography, Center of Advanced Study in Geology, Banaras Hindu University, Varanasi

“Impacts of climate variability on marine biota over the last thirty millennia: An evaluation from the Arabian Sea records and its future implications”

Dhruv Sen Singh

Professor in Geology, Centre of Advanced Study in Geology, University of Lucknow

“Impact of Climate Change on Glaciers and its Consequences on Society”

Netramani Sagar

CSIR-National Geophysical Research Institute, Hyderabad

“Effects of sea surface temperature changes on live scleractinian corals of the Lakshadweep Archipelago: Implications of regional Climate variability”

Pradeep Srivastava

Scientist, Wadia Institute of Himalaya Geology 33 GMS Road, Dehradun

“Records of long term climate change from the Rivers of Himalaya”

Rajesh Agnihotri

Radio and Atmospheric Science Division (RASD), National Physical Laboratory, New Delhi

“Indian monsoonal rainfall variability during a global warming era: An overview”

Coordinator **Indu Anna George**



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Tuesday, January 6, 2015, 09:15 – 11.15 am
Venue : Green Technology Auditorium (GT-001)

Symposium

Session: Agricultural Statistics

Convener	Umesh Sood	Chairman	Rajan Welukar
Speakers	Ajay Mehra Director General, National Sample Survey Organisation (NSSO) “Indian Statistical System”		
	V K Gupta National Professor, Indian Council of Agricultural Research (ICAR)		
	Prajneshu Emeritus Scientist, Indian Society of Agricultural Statistics (IASRI)		
	Umesh C Sud Director, Indian Society of Agricultural Statistics (IASRI)		
Coordinator	Rajendra P Deore		



Tuesday, January 6, 2015, 09:15 – 11.15 am
Venue : Alkesh Dinesh Modi Institute (ADM)

Symposium

Session: Targeting translational & post translational modification in health & diseases

Convener	Manoj Kumar Chakrabarti	Chairman	Rajendra A Badawe
Speakers	Sufi M Thomas Kansas City Departments of Otolaryngology and Cancer Biology, The Kansas University Medical Center, Kansas City, USA <i>“Head And Neck Cancer Therapy: Finding The Right Hammer To Crack A Tough Nut”</i>		
	Michael Henry Professor, Molecular physiology and Biophysics, University of Iowa, USA <i>“High Throughput Screening for Compounds Selectively Cytotoxic for an EMT-like Phenotype in Prostate Cancer Cells”</i>		
	Nanjoo Suh Department of Chemical Biology, Ernest Mario School of Pharmacy, Rutgers University , NJ, USA <i>“Targeting breast cancer stem cells for inhibition of cancer progression”</i>		
	Animesh Dhar Cancer Biology, Rainbow Blvd, Kansas City, USA <i>“Histone Lysine Demethylase 3A: A Novel Epigenetic Target for Pancreatic Cancer”</i>		
	Manoj K Chakrabarti Director Grade Scientist & Head, Division of Pathophysiology, National Institute of Cholera & Enteric Diseases, Calcutta		
	Shrikant Anant Department of Molecular and Integrative Physiology, Kansas University Cancer Center, Kansas University Medical Center, Kansas City, USA <i>“RNA Binding Protein RBM3: A Novel Therapeutic Target for Intestinal Tumorigenesis”</i>		
	Tomoo Iwakuma Department of Cancer Biology, University of Kansas Cancer Center, University of Kansas Medical Center, Kansas City, USA <i>“Targeting oncogenic mutant p53 for cancer therapy”</i>		
	Paramita M Ghosh VA Northern California Health Care System, Sacramento, CA, USA <i>“Targeting Translation-Related Signaling Pathways in Castration Resistant Prostate Cancer”</i>		
Coordinator	Amita Athavale		



Tuesday, January 6, 2015, 09:15 – 11.15 am
Venue : Phirozshah Mehta Bhawan(PMB-9A)

Symposium

Session: Clean Energy systems for the future

Convener & Chairman: D C Kothari

Speakers

A Miotello

Dipartimento di Fisica, Università degli Studi di Trento, Italy

“On the development of a hydrogen-based energy system”

Walter Merida

Director, Clean Energy Research Centre, The University of British Columbia, Canada

“The Hydricity Age: renewable sources in the transition to sustainable energy systems”

Ram B Gupta

Associate Dean for Research, and Professor, School of Engineering, Virginia Commonwealth University

“Clean Energy for a Growing and Prospering World”

Rajiv Dusane

Dean (International Relations) & Professor, Department of Metallurgical Engineering & Materials Science, Indian Institute of Technology, Bombay, Powai, Mumbai

“Sunlight + Thin Film Silicon = Green Energy”

Satish Ogale

Chief Scientist and Coordinator, Centre of Excellence in Solar Energy, National Chemical Laboratory, Pune

“Engineered nanomaterials for next generation solar energy harvesting and storage devices”

S K Gupta

Distinguished Scientist and Head, Technical Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai

“Novel strategies to improve conversion efficiencies of organic and dye sensitized solar cells”

Coordinator **Pravin Walke**



Tuesday, January 6, 2015, 11:30 – 01.30 pm
Venue : Green Technology (GT-001)

Symposium

Session: Disaster Management

Convener	S S Thigale	Chairman	Shailesh Nayak
Speakers	Shailesh Nayak Secretary, Ministry of Earth Sciences & Chairman, New Delhi “Use of Technology for Disaster Reduction - Indian Context”		
	Harsh Gupta Former Secretary, Dept. of Ocean Development, National Geophysical Research Institute, Hyderabad “Earthquakes in the Himalayan Region and Earthquake Scenarios”		
	N P Kurian Director, National Centre for Earth Science Studies, Thiruvananthapuram “Technology for Coastal Disaster Risk Reduction – Indian Context”		
	Alok Avasthy Commandant, 5th Bn, NDRF, Pune “Technology: Back bone of National Disaster Reduction Force”		
	S S Thigale Former Head, Geology Department, University of Pune “Technology for Awareness & Preparedness Processes in Disastrous areas”		
	M P Singh Former Head, Geology Department, Lucknow University		
	V Subramanyan Former Professor of Geology, IIT Bombay “Surviving Earthquakes, Landslides and Floods in Mumbai”		
	O P Singh Director General, National Disaster Response Force, New Delhi “Technology for Disaster Reduction”		
Coordinator	Shivram S Garje		



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Tuesday, January 6, 2015, 09:15 am – 1:30pm
Venue : Shankar Rao Chavan Auditorium (SRC-114)

Symposium

Session: Urban Development

Convener	Krithi Ramamritham	Chairman	Swadheen S Kshatriya
Speakers	Amita Bhide School of Habitat Studies, Tata Institute of Social Sciences (TISS), Mumbai		
	Gopal Naik Centre of Excellence for Urban Development, IIM Bangalore		
	Nisha Singh JS & Mission Director, Jawaharlal Nehru National Urban Renewal Mission (JNNURM) , New Delhi		
	Chetan Vaidya Director, School of Planning and Architecture (SPA), New Delhi		
	Sunil H Nesarikar Chief Fire Officer, Mumbai		
	Arun Bamne Executive Health Officer, Municipal Corporation of Greater Mumbai		
	Bharat Bhushan Professor, Environmental Planning, Dean (Academic) and Secretary, YASHADA		
	Jit Bajpai Earth Institute, Columbia University, New York		
	Krithi Ramamritham Head, Centre for Urban Science and Engineering, IIT, Powai		
Coordinator	Kavita Laghate		



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Tuesday, January 6, 2015, 9:15 am – 01.30 pm

Venue : Sports Complex (SPC)

Symposium

Session: Future of the Past

Convener **Mayank N Vahia** **Chairman** **Vasant Shinde**

Speakers **Vasant Shinde**
Director, Deccan College, Pune

“New questions in archaeology”

Shanti Pappu
Sharma Research Centre, Chennai

“Tools, Techniques and Time: Multiple Approaches to the Study of South Asia's Prehistoric Past”

Mayank Vahia
Tata Institute of Fundamental Research (TIFR), Mumbai

“Future labs for archaeology”

K S Saraswat
Birbal Sahani Insititue, Lucknow

“Archaeobotany and Old and New World Relations”

Rakesh Tiwari
Director General of the Archaeological Survey of India

“Need for Scientific Archaeology”

Kurush Dalal
Department of Extramural Studies, Mumbai University

“Excavations and new technologies”

Coordinator **G A Meshram**



Tuesday, January 6, 2015, 11:30 am – 01.30 pm
Venue : Alkesh Dinesh Modi Institute (ADM)

Symposium

Session: Aquaculture and Marine Biotechnology for Human Health

Convener	W S Lakra	Chairman	K C Pandey
Speakers	M Vijay Gupta Assistant Director General World Fish Center (Retd), Hyderabad <i>“Sustaining Contribution of Aquaculture to Food Security and Nutrition in Growing Global Population: The challenges”</i>		
	K Sunil Mohamed Principal Scientist & Head Molluscan Fisheries Division Central Marine Fisheries Research Institute, Kochi, Kerala <i>“Future of India's Marine Fisheries”</i>		
	P Jayasankar Director, Central Institute of Freshwater Aquaculture Kausalyanga, Bhubaneswar <i>“Research and Development in Genetic Improvement – Journey from Black Box approach to Genomics”</i>		
	Maroti A Upare Consultant World Bank, FAO. Mumbai <i>“Aquaculture Technology Management for Development of sustainable Livelihood - Experiences in India and Vietnam ”</i>		
	I S Bright Singh Cochin University of Science & Technology, Kochi, Kerala <i>“Biotechnological Interventions in Aquatic Animal Health in Perspective of Human Health: Options and Challenges”</i>		
	Arun S Ninawe Advisor (Scientist 'G'), Department of Biotechnology, New Delhi <i>“Sustainable livelihood options for nutritional and food security through Aquaculture and Marine Biotechnology”</i>		
	S N Ogale Former Consultant to World Bank & TATA Power Company for Mahasheer Conservation, Pune <i>“Pioneering efforts in Cage Culture, & Ranching for restoration of Mahseer Sanctuary In Indrayani River at Dehu, Dist : Pune (M. S.)”</i>		
Coordinator	B L Jadhav		



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Tuesday, January 6, 2015, 11:30 am – 01.30 pm
Venue : Phirozshah Mehta Bhawan (PMB-9A)

Symposium

Session: High Energy Physics in 2014

Convener	G Rajshekhran	Chairman	K Kasturi Rangan
Speakers	G Rajasekaran		
			<i>"A Crisis in Fundamental Physics"</i>
	Shrihari Gopalakrishna		
	Theoretical High Energy Physics, The Institute of Mathematical Sciences (IMSc), Chennai		
			<i>"Standard Model and Beyond"</i>
	Naba K Mondal		
	Project Director, India-based Neutrino Observatory, Tata Institute of Fundamental Research, Mumbai		
			<i>"India-based Neutrino Observatory (INO) Project"</i>
	Sunil Mukhi		
			<i>"String Theory and Quantum Gravity"</i>
	Srinivas Krishnagopal		
			<i>"Laser Plasma Accelerators"</i>
Coordinator	Anuradha Misra		



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Tuesday, January 6, 2015, 2:30 pm – 04.30 pm
Venue : Hall of Harmony, Nehru Centre, Worli, Mumbai

Symposium

Session: Challenges for Education in Modern India

Convener & Chairman: Anil Kakodkar

Speakers

Ved Prakash

Chairman, University Grant Commission

Varun Sahni

Jawaharlal Nehru University, New Delhi

“Technology Vision 2035 – Education”

Sanjay G Dhande

Former Director, Indian Institute of Technology, Kanpur

“Education for Global Leadership in Technology”

H C Pradhan

“Science and Mathematics Education – Perspectives and Prospects”

Vivek Sawant

Managing Director and C.E.O., M.K.C.L., Pune

“Technology for Large-scale Access to holistic Education”

Pandit Vidyasagar

Vice Chancellor, Swami Ramanand Teerth Marathwada University, Nanded

“Revitalization of Teaching Learning Process”

Coordinator H C Pradhan and Aniket Sule



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Tuesday, January 6, 2015, 03.00 pm – 05.30 pm
Venue : Main Pandal (MP)

Symposium

Plenary Session: Innovate and Make in India

Convener & Chairman: Vijay Bhatkar

Speakers

Ravi Pandit

Chairman and Group CEO, KHIT, Pune

Vijay Bhatkar

Pune

Pramod Choudhary

Executive Chairman, Praj Industries Ltd

Anil Datar

Director General (Armament & Combat Engineering Cluster), DRDO, Pune

Pawan Goenka

President & ED, Automotive and Farm Equipment Sector Mahindra Group

Coordinator

Prachi Gharpure

Monday, January 6, 2015, 05:30 pm to 07:30 pm
Venue : Pherozshah Mehta Hall (PMB-9A)

Panel discussion on Focal Theme

Science & Technology for Human Development

Chairman

S B Nimse (General President)

All Sectional Presidents and Senior Academicians are invited to participate in this panel discussion



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Wednesday, January 7, 2015, 09:30 am– 01.30pm
Venue : Fort Campus

Symposium

Session: Science and Technology for Inclusive Development

Convener & Chairman: Anil Kakodkar

Speakers

Swadheen S Kshatriya

Chief Secretary, Govt. of Maharashtra

Arun Firodia

Chairman of Kinetic Group of Companies, India

“How to promote Innovation”

Charudatta Mayee

Indian Agricultural Research Institute (IARI), New Delhi

“Farm Technologies that brought Inclusive Development in Maharashtra”

Girish G Sohani

Bharatiya Agro Industries Foundation (BAIF), Pune

“Emergent Needs and Strategies that Work for Rural India”

G D Yadav

Vice Chancellor, Institute of Chemical Technology, Mumbai

“Challenges and Opportunities for Building World Class Innovation Institutes in Maharashtra”

Brajmohan Misra

Principal Adviser, Department of Economic and Policy Research, Reserve Bank of India, Mumbai

“Farmer's Suicides - Raising the Issues for Possible Causes”

Coordinator

Rohan Fernandes



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Wednesday, January 7, 2015, 09:15 – 11.15 am
Venue : Alkesh Dinesh Modi Institute (ADM)

Symposium

Session: Tissue Banking & Tissue Engineering

Convener	Ashok Kolaskar	Chairman	Shashi Bala Singh
Speakers	Rony Thomas President & Chief Executive Officer, Institute of Regenerative Medicine Virginia Beach, VA, USA <i>“New Frontiers in Tissue Engineering and its life saving applications”</i>		
	Raj Manda Director, Research DCI Donor Services Tissue Bank, Nashville, TN, USA <i>“Allograft advantage – empirical evidence based medicine”</i>		
	Scott A Brubaker CTBS, Chief Policy Officer, American Association of Tissue Banks, Virginia, USA <i>“Hot Topics in Tissue Banking: Enhancing Quality & Safety of Allograft Tissue for Transplantation”</i>		
	Astrid Lobo Gajiwala Head, Tissue Bank & Member, Institutional Ethics Committee, Tata Memorial Hospital, Dr. Ernest Borges Road, Mumbai <i>“Establishing a Tissue Bank at the Tata Memorial Hospital”</i>		
Coordinator	Varsha Kelkar-Mane		

Wednesday, January 7, 2015, 09:15 – 11.15 am
Venue : Phirozshah Mehta Bhawan (PMB-9A)

Symposium

Session: Employment of Technologies for Counter Terrorism Operations

Convener & Chairman:	Maj. Gen. K B Kapoor
Speakers	Maj Gen (Retd) K B Kapoor, VSM
	Rear Adm (Retd) V S Chaudhari, NM
	Air Cmde (Retd) T Chand
	Col C Madhwal
	Col Amit Sinha
Coordinator	Mridul Nile



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Wednesday, January 7, 2015, 11:30 am – 01.30 pm
Venue : Alkesh Dinesh Modi Institute (ADM)

Symposium

Session: Recent advances in Cancer Biology

Chairperson : Shubhada V Chiplunkar

Speakers

Salil K Das

Professor of Biochemistry Dept. of Biochemistry and Cancer Biology Meharry Medical College, USA
"Role of Translocator Protein in Breast Cancer Progression"

Dipak K Banerjee

Professor Department of Biochemistry, School of Medicine, University of Puerto Rico, USA
"Glycotherapy for Breast Cancer"

Dinesh K Daftary

Dental Section, Tata Institute of Fundamental Research, Mumbai
"Oral pre-cancer"

Coordinator **Sunita Shailajan**

Wednesday, January 7, 2015, 11:30 – 01:30 pm
Venue : Phirozsha Metha Bhawan (PMB-9A)

Symposium

Session: Research needs in the field of Environmental Sciences

Convener & Chairman: Rakesh Kumar

Speakers

Virendra Sethi

Centre for Environmental Science and Engineering, Indian Institute of Technology, Bombay, Mumbai

Shyam Asolekar

Centre for Environmental Science and Engineering, Indian Institute of Technology, Bombay, Mumbai

Deepak Kantawala

Environmental consultant

R N Singh

Former Director, CSIR-NEERI

Bittu Sehgal

Editor, Sanctuary Asia Magazine

U C Mishra

Director, Health, Safety and Environment Group, BARC

Janki Andharia

Tata Institute of Social Sciences

Coordinator **P M Dongre**



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PART – II

SECTIONAL PROGRAMMES



**Hosted by
University of Mumbai**





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SECTION			Agriculture and Forestry Sciences		
Sectional President	:	Dr. S. K. Mahapatra ICAR-National Bureau of Soil Survey and Land Use Planning, New Delhi			
Sectional Local Secretary	:	Dr. Anil Patil J.S.M. College, Alibag, Maharashtra			
Sectional Recorder	:	Dr. Krishna Gopal Mandal ICAR-Directorate of Water Management, Bhubaneswar, Odisha			

January 04, 2015		
14.30 - 18.30		
Venue	:	Green Technology
Presidential Address (30 min)	:	Dr. S. K. Mahapatra Principal Scientist, National Bureau of Soil Survey and Land Use Planning (ICAR) Regional Centre IARI Campus, New Delhi <i>“Soil Resource Based Land Use Planning for Sustainable Agricultural Production”</i>
Platinum Jubilee Lecture (30 min)	:	Dr. S.K. Singh, ICAR-NBSS&LUP, Nagpur <i>“Large Scale Land Resource Inventory (LRI) towards Micro- Level Land Use Planning”</i>
Special lecture on the subject of Regional Importance (20 min)	:	1) Rakesh Kumar Ghosh, Rajahmundry 2) Somsubhra Chakraborty, Kolkata 3) Sanjeev Kumar, Meerut 4) Dibyendu Chatterjee, Medziphema 5) Istkhar, Meerut 6) Arpana Rai, Mumbai
18.00 – 17.20	SECTIONAL COMMITTEE ELECTION	



January 05, 2015		
14.30 – 18.15		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	Green Technology
SYMPOSIUM : Natural Resource Management for Enhancing and Sustaining Agricultural Productivity		
14.30 – 16.30		
INVITED LECTURES		
<p>Dr. A.M. Johnston Vice President, Asia and Africa, IPNI, Canada <i>“Food Security – The Agricultural Challenge”</i></p> <p>Dr. Weeravate Utto Asstt .Professor Packaging Technology Faculty of Agriculture, Ubon Ratchathani University, Thailand <i>“Active Packaging Technologies for Horticultural Products”</i></p> <p>Prof. S.K. Sanyal Former Vice Chancellor, BCKV, Kolkata <i>“Nutrient Mining with Special Reference to Potassium in Soil-Crop Management Practices”</i></p> <p>Dr. Dipak Sarkar, Former Director, ICAR-NBSS&LUP, Kolkata <i>“Knowledge Based Land Resource Management for Sustained Agriculture”</i></p> <p>Dr. Kaushik Majumdar Director, International Plant Nutrition Institute, South Asia Program, Gurgaon <i>“Precision Agriculture: Being Relevant in Smallholder Production Systems in South Asia”</i></p> <p>Dr. D.L.N. Rao Project Coordinator, ICAR-IISS, Bhopal, Madhya Pradesh <i>“Microbial, Biochemical and Genomic Indicators of Soil Biological Quality”</i></p> <p>Dr. U.K. Behera, IARI, New Delhi <i>“Conservation Agriculture : A New Paradigm of Resource Management for Sustainable Agriculture”</i></p> <p>Prof. K. Jeevan Rao PJTS AU, Hyderabad, Telangana <i>“Environmental Impacts of Nutrient Recycling and Climate Change”</i></p> <p>Prof. Asim Biswas McGill University, Canada <i>“Quantifying Soil Spatial Variability for Sustainable Resource Management”</i></p>		
16.30 – 18.15		
Invited Lectures/Oral Presentation		
Venue	:	Green Technology
<p>Ashok K. Patra IISS, Bhopal, Madhya Pradesh <i>“Enhancing Soil Biodiversity and its Stability through Diversified Agriculture”</i></p>		



<p>H. Pathak IARI, New Delhi <i>“Enhancing Resilience of Indian Agriculture to Climate Change”</i></p> <p>P.S. Brahmanand ICAR-Directorate of Water Management, Bhubaneswar, Odisha <i>“Water Resource Management for Enhancing and Sustaining Agricultural Productivity”</i></p> <p>R.K. Sharma GBPIHED, Mohal-Kullu, Himachal Pradesh <i>“Effects of Soil Properties and Altitudes on Storage of Soil Organic Carbon in Apple Orchards of an Indian Himalayan Watershed”</i></p> <p>T. K. Das IARI, New Delhi <i>“Conservation Agriculture for Rice-Based Cropping Systems in the North-Western Indo-Gangetic Plains: Effect on Crop Productivity, Water And Energy Productivity, Carbon Sequestration And Green House Gases Emissions”</i></p> <p>T. J. Purakayastha IARI, New Delhi <i>“Development of Soil Health Card for Efficient Management of Soil”</i></p> <p>Ranjan Bhattacharyya IARI, New Delhi <i>“Carbon and Nitrogen Retention Potential of Conservation Agricultural Practices under a Rice-Wheat Cropping System in the Western IGP”</i></p> <p>Shamila Kalia ICFRE, Dehradun <i>“Deterrant Effects of Some Botanical Products on the Oviposition of the Major Pest Plecoptera reflexa Guenee on Dalbergia sissoo”</i></p> <p>Soumitra Das Director-India (ZNI), New Delhi <i>“Zinc in Food and Nutritional Security”</i></p> <p>Amit Kar IARI, New Delhi <i>“Economics of Use of Bio-fertilizers on Profitability of Rice and Wheat Crops”</i></p>

January 06, 2015		
14.30 – 18.15	SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS	
Venue	:	Green Technology
SYMPOSIUM : Natural Resource Management for Enhancing and Sustaining Agricultural Productivity		
14.30 – 16.30	INVITED LECTURES	
<p>K.C. Bansal, ICAR-NBPGR, New Delhi <i>“Role of Plant Genetic Resources in the Wake of the Variable Climate”</i></p>		



- Asit B. Mandal**, ICAR-CRIJAF, Barrackpore
“Towards a Paradigm Shift to Attain Farm Prosperity Through Deployment of Conventional and Frontier Science in Crop Genetic Modulation”
- Thongbam P.D.**, ICAR Research Complex for North East Region, Umiam, Meghalaya
“Evaluation of Nutritional Quality and Protein Variations in Seeds of Selected Rice Genotypes of Meghalaya”
- Yogesh Prasad Rajbhar**, SVPUAT, Meerut, Uttar Pradesh
“Grow Medicinal Plants : For Health & Benefit”
- A. R. Rao**, IASRI, New Delhi
“An Approach to the Development of a Core Set of Germplasm using Mixture of Qualitative and Quantitative Data”
- T. V. Ramana Rao**, Sardar Patel University, Gujarat
*“Optimization of Edible Coating Formulations for Improving Post-Harvest Quality and Shelf Life of Phalsa (*Grewia asiatica* L.)”*
- Jyotsna Devi**, Assam Agricultural University, Jorhat, Assam
“In vitro Plantlet Regeneration from Nodal Segments of Piper longum L. – A Medicinal Plant”
- Jasdeep Chatrath Padaria**, ICAR-NRCPB, New Delhi
“Development of Herbicide”

16.30 – 18.15

Poster/Oral Session

Venue : **Green Technology**

- Kuldeep Singh**, Amity University, Noida, Uttar Pradesh
“Use of Fertilizers and Management of Soil Health for Sustaining Agricultural Productivity”
- T.K. Sen**, ICAR-NBSS&LUP, Nagpur
“Carbon Sequestration Potential of Soils under Major Land Use Systems of Eastern Vidarbha Region of Maharashtra, India”
- Shiva Dhar**, ICAR-IARI, New Delhi
“Performance of Wheat and Residual Fertility under Organic and Inorganic Fertilization”
- K.G. Mandal**, ICAR-DWM, Bhubaneswar, Odisha
“Water Resource Management in a Medium Irrigation Command and Integrated Crop-Fish Farming”
- A. Basumatary**, AAU, Jorhat, Assam
“Soil Test based Fertilizer Recommendations under Integrated Plant Nutrition System for rice-rice Cropping Sequence in Inceptisols of Assam”
- C. Chandrahasan**, TNVASU, Chennai
“Organic Farming – An Essentiality for Agricultural Farming in India”
- Irani Mukherjee**, IARI, New Delhi
*“Microbial Degradation of Bifenthrin by *Bacillus megaterium* and *Pseudomonas putida* under Aerobic Condition”*
- Hemant K Gupta**, HPSCSTE, Shimla, Himachal Pradesh
“Sustainable Utilization of Different Plant Bioresources and Their Market Potential in Indian Himalayas: A Case Study”
- Sanjeev Kumar**, Working Plans Circle, Jamshedpur, Jharkhand
“Initiatives in Herbal Agroforestry for Rural Livelihoods through Sustainable Management of Medicinal Plants”



102nd Indian Science Congress
3 – 7 January 2015



Ratul Datta, Department of Information and Cultural Affairs, Government of WB, Kolkata

“Soil Survey, Land Slide, Awareness to Farmers about Latest Science and Technology for Human Development and Role of Media”

January 07, 2013

Venue

Green Technology

14.30 – 16.30

Oral Presentation Session-II

Sujay Rakshit

ICAR-DSR, Hyderabad

“Post-flowering Drought Response of Sorghum Genotypes”

S.V.S. Gandadhara Rao

Agricultural Research Station, Visakhapatnam District, Andhra Pradesh

“Evaluation of Black gram Cultures for Yield and Resistant to Yellow Mosaic Virus”

Aparna Sen

Lady Brabourne College, Kolkata

“Development of a Good Biofertiliser: Isolation and Characterisation of Microorganisms with Plant Growth Promoting Properties having Applications in Bioremediation, Collected from Soil Samples around Coastal Area of West Bengal”

H. R. Gautam

YSUHF, Solan, Himachal Pradesh

“Botanicals and Cow Urine for the Management of Post-Harvest Fungal Rots of Apple”

Sujatha Patta

IARI, New Delhi

“Standard Technology for Enhanced Tomato Hybrid Seed Productivity”

Abhay Shendye

Swasti Agro & Bioproducts Pvt Ltd., Pune

“Isolation of Beneficial Oligotrophic Endophytes from Leaves of Punicagranatum: Bio-Control Agents for Bacterial Blight Caused Byxanthomonas Axonopodis Punicae”



102nd Indian Science Congress
3 – 7 January 2015



SECTION		Animal, Veterinary, and Fishery Sciences
Sectional President	:	Prof. M. K. Jyoti
Sectional Local Secretary	:	Prof. B. L. Jadhav University of Mumbai
Sectional Recorder	:	Prof. Kalyani Pandey

January 04, 2015		
14.30 - 18.00		
Venue		Akhilesh Dinesh Modi Institute
Presidential Address (30 min)	:	Prof. M. K. Jyoti Shivaji Chowk, Nanak Nagar, Jammu <i>“A Myopic View Of Synergism Between Science And Technology, Biodiversity And Human Welfare”</i>
Platinum Jubilee Lecture (30 min)	:	Dr. Ramvijay Singh Salaria Prof. in Zoology, GGM Science College, Jammu <i>“Parasitism And Human Welfare: Challenges And Opportunities”</i>
Invited Lecturers	:	Keshaw Prasad Tiwari School of Veterinary Medicine, St. George’s University, west Indies <i>“Immunohistochemical Detection Of P53 Tumor Suppressor Protein In Round Cell Tumors Of Dogs In Grenada, West Indies”</i> Devendra Agrawal
Young Scientist Award Presentations/Invited Lectures	:	1. Bodhisattwa Banerjee, Shillong 2. Vishnu Nair M S, Kollam, 3. Madkar Ambadas, Bareilly
17.00– 17.30 SECTIONAL COMMITTEE ELECTION		

January 05, 2015		
14.30 – 19.30		
SECTION & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	Akhilesh Dinesh Modi Institute(Auditorium)
Section-1: Animal Behavior & wild Life		
14.30 – 15.30		
INVITED LECTURES		
Prof. R.C. Sharma Prof. A.K. Upadhyay		



15.30– 17.30		Oral Session –I
Venue	:	Akhilesh Dinesh Modi Institute(Auditorium)
<p>Bhaumik A. and S.B. Prasad <i>“Studies on Betulinic Acid-Mediated Antitumor Activity and Apoptosis in Murine Ascites Dalton’s Lymphoma”</i></p> <p>Deshbhratar Shantaj, Mahaley Jyotsna, Deshbhratar Shantaj,Raut sonali , Hile Vijay K.and Bhiwgade Dayanand A. <i>“Comparative Account Of Ultrastructural Changes In The Interhaemal Membrane Of The Short-Nosed Fruit Megachiropteran Bat, Cynopterus Sphinx Gangeticus During Early (Trilaminar, Neural Groove) & Full-Term Stages Of Development.”</i></p> <p>Kanaujia Amita, Mukesh Kumar, Adesh Kumar, Sonika Kushwaha and Akhilesh Kumar <i>“Nesting And Breeding Behaviour Of Asian Open-Bill (Anastomus Oscitans) In Nawabganj Bird Sanctuary, Unnao District, Uttar Pradesh, India”</i></p> <p>Kumar Ashit, Parashar P, Dubey A.K., Dwivedi U.S, Rani P. and Tiwari <i>“A Comprative Assessment Of Some Sperm Function Parameters In Mobile Phone Users And Non-Users Human Subject”</i></p> <p>Kumari Meena , Seema Langer and D.N.Sahi <i>“Anthropogenic Disturbances Affecting The Population Of House Sparrow (Passer Domesticus) In Jammu Region (J&K)”</i></p> <p>Rajpurohit, L.S., Sangram Choudhary, Goutam Sharma and Devilal <i>“Study Of Man-Monkey Conflict In Jodhpur With Special Reference Of Hanuman Langur”</i></p> <p>Sharma Goutam, Devi Lal and L.S. Rajpurohit <i>“Habitat And Resource Utilization By Striped Hyena (Hyaena Hyaena Linn) And Golden Jackal (Canis Aureus) In South Western Rajasthan”</i></p> <p>Shri Prakash and Sunil Kumar <i>“Studies On The Nesting Behavior Of Sarus Crane (Grusantigone Antigone, Linn. 1758) Around Alwara Lake, District Kaushambi, (Uttar Pradesh), India”</i></p> <p>Singh Babita and Ramesh Singh <i>“Seasonal And Sexual Variation In Cell-Mediated Immunity In Garden Lizard (Calotes Versicolor)”</i></p>		
14.30 – 17.30		Concurrent Poster Session –II
Venue	:	Akhilesh Dinesh Modi Institute(Room No-6)
<p>Dsnga Milind and Manik Dange <i>“Bird Of Amrit Sagar, Ratlam, Madhya Pradesh, India”</i></p> <p>Koul Sakshi ð and D.N.Sahi <i>“Rose-Ringed Parakeet (Psittacula Krameri) - A Prey To Anthropogenic Activities In Jammu Region (J&K)”</i></p> <p>Vineet Kumar, S. H. Talekar and D. T. Fefar <i>“Dermal Squamous Cell Carcinoma In A Rock Dove (Columba Libia”</i></p>		
Section 2: Aquatic biology & Fishery		
14.30 – 15.30		INVITED LECTUTRES
<p>Prof. H. S. Sehgal Prof. B.D. Joshi</p>		



15.30– 17.30		Oral Session –2
Venue	:	Akhilesh Dinesh Modi Institute
Asaikkutti A., P. Saravana Bhavan, T. Muralisankar, V. Srinivasan and M. Karthik <i>“Optimization Of Ph, Temperature And Incubation Time For Activities Of Digestive Enzyme In Juveniles Of The Freshwater Prawn Macrobrachium Rosenbergii”</i>		
Joshi B.D., Namita Joshi and Induja Mishra <i>“Aberrations In The Structure Of The Erythrocytes Of The Fish Heteropneustes Fossilis Due To Haematozoans”</i>		
Joshi B.D. <i>“Lakeeutrophication And its Assessment By Indicator Parameters”</i>		
Joshi B.D. and Sandeep Rawat <i>“On Some Selected Physico- Chemical Properties Of A Few Sewage Drains Falling In Western Ganga Canal At Haridwar: With Special Reference To Assess The Dilution Impact”</i>		
Bahuguna S.N., Shurveer Singh ¹ and Anita Rawat Rana <i>“Study Of Reproductive Pattern In Crab Potamon Looense Un, 1904 From Himalayan Aquatic Environment, Uttarakhand”</i>		
Bhadula Sushil and B.D. Joshi <i>“Impact Of Sewer Drains On The Water Quality Of Ganga Canal At Haridwar”</i>		
Bharathi Ravikrishnan, M.G.Ragunathan and J.Jayanthi <i>“Hemocyte Profiling From The Hemolymph Extracted From Infected Ozitelphusa Sensex Sensex”</i>		
Bhattacharjee A. and P.K. Mohanty <i>“Sustainable Marine Fisheries Resources Management”</i>		
Bhavan P. Saravana, S. Mohammedsiddiq, T. Muralisankar, N. Manickam and V. Srinivasan <i>“Effects Of Seeds Of Medicinal Herbs, Syzygium Cumini, Phyllanthus Emblica, Azadirachta Indica And Ricinus Communis On Growth Promotion In Macrobrachium Malcolmsonii”</i>		
Biswal Gobinda Ch., Siddhartha Pati ¹ , Bisnu P. Dash, Anil Chatterji ² and Bikash K. Panda <i>“Hatching And Captive Rearing Of Horseshoe Crab Tachypleus Gigas Trilobite Larva Of Odisha Coast”</i>		
Chand G.B. and Rizwan Ahmad <i>“Attenuation Of Pops Induced Hepatic Anomalies In Fish By Aqueous Fruit Extract Of Emblica Officinalis: Ultrastructural & Serological Study”</i>		
Choudhury M. G. and N. Saha <i>“Differential Expression Of Neuronal And Endothelial Nitric Oxide Synthases And Nitric Oxide Production During Exposure To High Environmental Ammonia In The Air-Breathing Catfish, Heteropneustes Fossilis”</i>		
Debabrata Das <i>“The Science Of Fish Gender And Prospective Inland Fisheries”</i>		
Devi Aarti and Arti Sharma <i>“Anthropogenic Impact On The Ecology Of Ban Ganga Stream, Katra With Reference To Abiotic And Biotic Components.”</i>		
Devi L.M., C. M. Thabah, S. Dey and R. N. K. Hooroo <i>“Micro Structure Analysis Of Gill In Hylaranaleptoglossa Hatchling With Reference To Alteration Of Ph”</i>		
Anjoo Dhar and Seema Langer <i>“Effect Of Feed Restriction On Compensatory Growth And Body Composition In Fingerlings Of</i>		



<i>Labeo Rohita (Ham.)</i>		
Gandotra Roopma and Sweta Gupta <i>"Influence Of Freezing On The Proximate And Microbial Quality Of Raw And Steamed Muscle Of Cyprinus Carpio(Linn.) During Storage Conditions (-12±2°C)."</i>		
Jain Seema, Manu Varma and Shubhra Mathur <i>"Sem Study Of Otoliths Of Channa Species In Relation To Taxonomy"</i>		
Jamkhedkar Suruchi and B. L. Jadhav <i>"Genetic Characterization Of Lamellidens Corrianus Usingtype - I And Type - II Molecular Markers"</i>		
Kaur Rupinder <i>"Sepia Shell – A Low Cost Biosorbent For Treatment Of Industrial Waste Waters"</i>		
14.30 – 17.30 Concurrent Poster Session –II		
Venue	:	Akhilesh Dinesh Modi Institute
Section-3: Entomology & Parasitology		
14.30 – 15.30		
INVITED LECTURES		
Sr. Regina Mary R. Prof. U.C. Goswami		
15.30– 18.00 Oral Session –I		
Venue	:	Akhilesh Dinesh Modi Institute
Agarwal Juhie and Savita Rani <i>"Hypersensitivity Reaction (Iv): Cell Mediated Immunity Induced By Helminth Allergen Of Gastrointestinal Nematode (Ascaridia Gallii) In Gallus Domesticus"</i>		
Ali Amrin and Nirupama Agrawal <i>"Studies Of Some Dactylogyrid Monogenoideans On The Basis Of Morphological as Well as Molecular Methods"</i>		
Choudhary Kirti and Nirupama Agrawal <i>"Molecular Phylogeny Of Diplstomulum Hughes,1929 (Digenea: Diplostomatidae) From Fresh Water Fish Based On Partial 28s RDNA"</i>		
Fartade Asawari, Amol Thosar, Sapna Lohat and Sunita Borde <i>"Evaluation Of Ptychobothridean Cestodes Using Random Amplified Polymorphic Dna (Rapid) Markers From Fresh Water Fishes In Godavari Basin M. S., India"</i>		
Kumari, Gautam Neelam Ramakant and A. M. Saxena. <i>"Morphological Study Of Pallisentis (Acnathocephala:Quadrigyridae) Of Fresh Water Fishes Of U.P. Using Scanning Electron Microscopy"</i>		
Gupta Madhvi and J.S.Tara <i>"Life Cycle Of Spodoptera Litura (Fabricus), A Serious Defoliator Of Mango (Mangifera Indica) From Jammu (J&K, India)"</i>		
Gupta Ruchie* and J.S. Tara <i>"First Report On The Infestation Dynamics Of Euproctis Scintillans Walker(Lepidoptera: Lymantridae) On Apple (Malus Domestica Borkh) And Its Relation With Important Weather Factors In Jammu, India"</i>		
Kovendan Kalimuthu ¹ , Balamurugan Chandramohan ¹ , Kadarkarai Murugan ¹ and Savariar		



Vincent2

“Green Synthesis Of Silver Nanoparticles Using Leaf Extract Of Psychotria Nilgiriensis Against Malarial Vector, Anopheles Stephensi And Dengue Vector, Aedes Aegypti”

Kumar Jeewesh and S. K. Singh

“Insect Pests And Diseases’ Dynamics In Chickpea, Cicer Arietinum L. Vis-À-Vis A-Biotic Factors”

Kumar Rashmi, Chandan Kumar and Prianka

“Fungal Infection In Some Economically Important Fresh Water Fishes In Ganga River Near P.M.C.H In Patna District Of Bihar.”

Saxena A.M.1, Satish Chandra, AkanshaTandon and Sneha Lata Gautam

“To Kill Or Safe These Hyperactive Creatures”

Sharma Kamana and Sangeeta

“Malarial Parasite Identification, Comparison Of Different Techniques”

Sharma Sheetal1, J. S. Tara and Sanjay Bhatia

“Bionomics Of Hyposidra Talaca Walker (Lepidoptera: Geometridae), A Major Defoliating Pest Of Teak (Tectona Grandis) In Jammu, J&K”

Singh Bibhuti Dutta

“Bioefficacy Of Neem Products Against Pyrilla Perpusilla (Homoptera : Lophopidae) : A Sugarcane Pest In Rampur Rudra, District, Chapra (Saran), Bihar (India)”

Singh Ranvijay

“Diversity And Ecology Of Metazoan Parasites Of Channa Gachua (HAM) Of Lake Mansar, Jammu”

Sinha B. K. and Amita Hembrom

“Colonization Pattern And Community Structure Of Collembola (Insecta: Apterygota) In Post Mining Sites Of Jharkhand, India”

Tripathi Amit , Saroj Rajvanshi and Nirupama Agrawal

“Monogenoidea On Exotic Indian Freshwater Fishes. 2. Range Expansion Of Thaparocleidus Caecus And T. Siamensis (Dactylogyridae) By Introduction Of Striped Catfish Pangasianodon Hypophthalmus (Pangasiidae)”

Upadhyay A.K.

“Prevalence Of Campylobacter From Different Species In Uttarakhand And Its Antibiogram”

14.30 – 17.30 Concurrent Poster Session –II

Venue : Akhilesh Dinesh Modi Institute

Aswathy Rajan₁ and UpmaBagai₁

“Antimalarial Potential Of Arsenicum Album Against Plasmodium Berghei Infection - An In Vitro And In Vivo Study”

Bhattacharjee Koutilya

“Non-Specific Immune Response Of Duttaphrynus Himalayanus Against Bacterial Pathogen: What An Efficiency”

Bipin K.C., Sooryadas S., Deepthy B.J., Sreenish Krishna B. K., Aswathy P. and Lekshmi J. Das.

“Management Of Staphylococcus Infected Scrotal Abscess In A Dog Using Natural Honey As Topical Dressing”

Bora Gayotree Agni and Prasanna Kr. Dutta

“Biology, Conservation And Use Of Ant Species Oecophylla Smaragdina In North East India”



Chandel B.S.

“Herbal Products: An Ecofriendly Approach For S. Litura Management”

Deepa C.K*, Darsana U, Sujith S#, Priya M N\$ and Sreedevi, R**.**

“Invitro Efficacy Various Extracts Of Mallotusphillipensisleaf And Flower Against Amphistomes

Kalia Preeti₁, Neelima R Kumar₁ and Kusum Karjai₂

“In- Vitro Antibacterial Efficacy Of Different Extracts Of Honey Bee Propolis On Salmonella Typhimurium.

Kanaujia Amita and Sonika Kushwaha

“Ectoparasites Of Critically Endangered Long-Billed Vultures, Gyps Indicus In Bunelkhand Region, India”

Karmakar Poulomee

“Studies On The Effect Of Thermostable Direct Hemolysin Of Vibrio Parahaemolyticus On The Down Regulation Of Cell Proliferation In Human Colon Carcinoma Cell Line, With The Involvement Of Protein Kinase C In The Mechanism Of Action”

Kumar J. Siva, J. Jayanthi and M. G. Ragunathan

“Population Dynamics Of Emerita Asiatica (H. Milne Edwards, 1837) In Relation To Sand Organic Carbon In The Kovalam Beach, East Coast, Kanchipuram District Of Tamilnadu, India”

Kumar Jeewesh and S. K. Singh

“Integrated Pest Management Of Pod Borer, Helicoverpa Armigera Hubner In Chickpea”

Lohat Sapna, Amol Thosar, Ganesh Misal and Sunita Borde

“Biochemical Studies Of Nematodes In Gallus Gallus Domesticus”

Mahalakshmi P., J. Jayanthi, M. G. Ragunathan, Joe K. Kizhakudan

“Isolation And Charecterisation Of Bacterial Communities In Live Infected Indian Sand Lobster” Thenus Unimaculatus With Epizootic Shell Disease.

Mahapatra Susmita, Sujogya Kumar Panda and Gunanidhi Sahoo

“Aerobic Bacteria Isolated From The Gastrointestinal Tracts Of Haplobatrachus Tigerinus Tadpoles”

Rashid Sadia

“Oxidative Stress In Response To The Large Stomach Worm Haemonchus Contortus In Capra Hircus.”

Raja: Rathod P.P., N. A. Manwar, R. P. Joshi and I. A.

“Visual Deception In Oviposition Site Selection In Female Dragonfly Bradinopyga Geminata (Rambur) Libellulidae : Anisoptera”

Pd. Singh Singh Bibhuti Dutta and Gajendra

“Effect Of Different Herbal And Synthetic Pesticides On Emmalocera Depressella (Lepidoptera: Pyralididae) Of Sugarcane Pest In Rampur Rudra, District, Chapra (Saran), Bihar (India) “

Singh Pushpa

“Studies On The Functional Anatomy Of Malpighian Tubule Of Platycorynus Peregrinus (Coleptera : Crysomelidae)”

Sunita and Vinay Kumar

“Statistical Analysis On The Insect- Pests Infestation In Guava (Psidium Guajava. L)”

Talukdar Sankar, Ayan Mondale[©] and Debomay Chanda*

“A New Distribution Of Spider From India: Taxonomy And Zoo-Geography Of A Salticid Spider Chrysella Lauta Thorell, 1887, From Rice & Forest Ecosystem Of West Bengal”

Tara J. S. and Ramnik Kour



<p>“Biology And Morphometric Studies Of Aquatic Bug, <i>Sphaerodema Molestrum</i> (Hemiptera:Belostomatidae) From Jammu (J & K, India)”</p> <p>Vairale Amit B. “Control Of Cotton Pest With The Help Of Spiders In The Akola District, Maharashtra State.”</p> <p>Vidya Pradhan and Yeshwant Kamble “Malaria Incidence In Aurangabad City: A Case Study”</p> <p>Ruchika Bhutyal, Sanjay Bhatia and Seema Langer “A Record Of Invasive Alien Insects, Their Distribution And Host Plants Of Kishtwar District, J&K, India”</p>
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January 06, 2015		
14.30 – 19.30		SECTION & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS
Venue	:	Akhilesh Dinesh Modi Institute
Section-1: Fish Symposium/ ABF		
14.30 – 15.30		INVITED LECTURES
<p>Prof. K. K. Sharma</p> <p>Prof. K.V. Jayachandran</p> <p>Prof. Sarkar Biplab</p>		
15.30– 17.30		Oral Session –I
Venue	:	Akhilesh Dinesh Modi Institute
<p>Koul Meenakshi and Roopma Gandotra “Influence Of Vacuum Packaging And Long Term Storage On Some Quality Parameters Of Rohu Fillets During Frozen Storage.”</p> <p>Kour Sarbjeet and Shiwali Gupta “Seasonality Of Invertebrate Fauna Inhabiting Lower Shiwalik Stream, <i>Philodinus Paradoxus</i>- The First Report”</p> <p>Kumar Shailendra, A. Nath, Priyanka Asem Kumar and J.K. Singh “Comparative Analysis Of Arsenic Detection In Water By Field Test Kit And Hgaa Methods”</p> <p>Mahesh R. and Saravana Kumar A. “Application Of Remote Sensing To Study The Relation Between Fish Assemblage Structure And Their Habitat”</p> <p>Nathiya V., P. Saravana Bhavan, N. Manickam, V. Srinivasan and T. Muralisankar “Administration Of Medicinal Herbal Extract (<i>Cyanodon Dactylon</i>) As Dietary Supplement To Improve The Growth Of The Freshwater Prawn <i>Macrobrachium Rosenbergii</i>”</p> <p>Parihar Dalbir Singh and Roopma Gandotra “Effects Of Varying Levels Of Fish Oil On The Growth Performance, Body Composition Of Catla <i>Catla Fry</i> (Ham.)”</p> <p>Serajuddin M. “Genetic Diversity In Sustainable Fisheries Management”</p>		



Sharma Arvind Kumar

“Susruta Contribution To Ichthyology : 400 Bc”

Sharma Chhavi and Seema Langer

“Cyclomorphosis In Daphnia Similis In Relation To Wate Quality Dynamics.”

Sharma K. K., Sarbjeet Kour and Neha Antal

“Sediment Characterization Of A Sub-Tropical Perennial Pond Of Jammu (J&K) In Relation To Its Macrobenthic And Bacterial Fauna.”

Shukla Anuradha and J.P. Shukla

“Integrated Fish Farming: A Current Need In Lakes Of Eastern U.P. With Special Reference To Marhani Lake, Basti (U.P.) In Scarifying The Rural Poverty”

Singh Sunder

“Physical, Chemical & Microbiological Properties Of Ground Water: A Case Study Of Town Deeg (Bharatpur) Rajasthan”

Sujeetha M, Sharmila S, Ragunathan M.G. and Jayanthi J.

“Determination Of Ace Inhibiting Activity From Certain Extracts Of Some Crustaceans”

Thabah C.M., L. M. Devi, S. Dey and R.N.K.Hooroo

“Differential Effects On Growth And Development Of Hyla Annectans Tadpoles In Response To Food Types”

14.30 – 17.30

Concurrent Poster Session –II

Acharya Gayatri and Prafulla K. Mohanty

“Comparative Haematological Profile Of Male And Female Walking Cat Fish, Clarias Batrachus (Linnaeus, 1758)”

Awasthi Madhu, Ankur Kashyap and M. Serajuddin

“Morphometric Variation And Length-Weight Relationships Of Colisa Lalia (Dwarf Gourami) Between The Two Sub-Populations Of Uttar Pradesh”

Bairagya Chandra Narayan, Golam Ziauddin, C. K. Jana and D. Ghorai

“Fish Seed Production In Single Integrated Two-In-One Chamber “Bundh-Cum-Hatching Pool Of Chandra Hatchery””

Brahman Lavkush Kumar, Ramesh Chandra and H. N. Khare

“Efficacy Of Indigenous Larvivorous (Cypriniformes) Fish Against Culex Quinquefasciatus In Chitrakoot Climat”

Bharti V.S., A. B. Inamdar , C. S. Purusothaman and V.K.Yadav

“Characterization Of Phytoplankton By Biomarker Pigments In Powai Lake Of Mumbai City Of India”

Chawla Deepti and Anil K. Tyor

“Trends And Functional Appraisal In The Morphology Buccopharyngeal Cavity- Key Innovation In Cyprinid Fishes”

Das Susmita and A.K. Patra

“Studies On The Anatomical Peculiarities And Conditionalfactor Of Female Indian Major Carp, Labeo Rohit(Hamilton)”

Das Susmita and A.K. Patra and Rekha Das

“Observations On The Allometry And Conditional Factor Of Indian Major Carp, Labeo Rohita (Hamilton)”

Deshmukh N.Z, and Nikam S.V.

“Study Of Freshwater Ciliates From Nasik, Ms. India.”

Dhanaji Ahirrao Kiran

“Body Praportions And Water Percentage Of The Fresh Water Snail, Thiara Lineata”.



- Dutta Prasanna Kr., Labanya Kakati and Gayotree Agni Bora
"Study On The Productivity Of Wetland Ecosystem In Jorhat District, Assam."
- Gupta Vaini and Roopma Gandotra.
"Comparative Evaluation Of Shelf Life Of Raw And Cooked Fish Muscles Of Labeo Rohita Under Refrigerator Conditions 4±1ú C."
- Hassan, Syed Shabih and R. K. Sinha
"Seasonal Diversity Of Zooplankton In The River Ganga In And Around Patna Regio"
- Syed Shabih Hassan
"Ecology And Fisheries Of Nangal Lake In Punjab (India)"
- Hazarika Sultana
"The Study Of Periphyton And Macro-Benthic Diversity Their Co-Relation With Physico-Chemical Parameters Of Wetlands Of Upper Stretches Of River Brahmaputra, Assam,India."
- Jayaprabha N. S., Purusothaman and M. Srinivasan
"Length Weight Relationship Of Coral Reef Associa Fishes In Cuddalore, Southeast Coast Of India"
- Kaur Harjeet and K.K.Sharma
"Ichthyofaunal Diversity In Some Lentic Water Bodies Of Jammu."
- Kour Rupinder*, Sanjay Bhatia and K. K. Sharma
"Documentation Of Aquatic Invasive Alien Plant Species Of Lake Surinsar, Jammu, J&K."
- Kumari Ritu and Roopma Gandotra.
"Effect Of Varying Dietary Protein Levels On Growth, Feed Conversion Ratio (Fcr) And Feed Conversion Efficiency (Fce) Of Juveniles Of Labeo Rohita (Ham.)."
- Manhas Priya and Seema Langer
"Seasonal Changes In The Biochemical Composition And Caloric Content Of Paratelphusa Masoniana, An Edible Fresh Water Crab Of Jammu Region Of J&K State (India)."
- Nagawanshi M.
"Dna Ratio In Different Tissues In L. Marginalis From Godavari River Paithan"
- Pal S. R., Anjali Srivastava, D. Raha, Sujata Dutta Pandey, Anita Shukla, Bijan Bala and P. N. Pandey
"Status Of Water Quality Of Subarnarekha River At Jamshedpur (Jharkhand)"
- Pradhan Vidya S., Vishal Ladniya, Mohammad Moaviyah Moghal and J.D. Shaikh
"Fresh Water Crab (Barytelphusa Cunicularis) Extraction And Its Application"
- Rathod Nutan
"Seasonal Variation Of Trace Metals In Liver And Muscles Of Freshwater Fishes From The Mehrun Lake –Jalgaon"
- Rizwan- uz- zaman and Roopma Gandotra.
"Food And Feeding Of Garra Gotyla Gotyla In The Jhajjar Stream Of River Tawi In Jammu Region."
- Rout Jasmin, Susmita Mahapatra and Gunanidhi Sahoo
"Diet Of Anuran Tadpoles From Temporary Ponds In Northern Odisha"
- Saba Neelam and Wahied Khawar Balwan
"Cytogenetic Analysis Of Krez Frog, Chrysopoa Sternosignata From Jammu And Kashmir"
- Saravanan S., Mujeebunisha M., Divya V., Vasanthakumar D. and Arun, D.
"Alterations In Chemical Components Of Vermicompost After Probiotic Supplementation"



- Sharma Arti and Meenu Sharma**
“Association Of Macrobenthic Invertebrates With Water Hyacinth (Eichhornia Crassipes) In A Subtropical Stream Of J&K.”
- Sharma K. K., Sarbjeet Kour and Kunal Sharma**
“Diversity Of Zooplankton In Surinsar Lake, J&K.”
- Sharma K. K., A. Sharma and V. C. Mohan**
“Comparative Accounts Of Merestic Count And Morphometric Measurements Of Golden Mahseer (Tor Putitora) Among Chenani Hydroelectric Dam, Hajjar Stream And Dansar Stream. (J&K) India.”
- Sharma Poonam and Roopma Gandotra**
“Current Status Of Fish Fauna In Sunderbani Stream, A Hill Stream Of District Rajouri (J&K) With Special Reference To Commercially Important Species”
- Shinde Neha, Shrutika Sirsilla and Yasmin Khan**
“What Can We Learn About Regeneration From The Zebrafish”
- Singh Brajesh Kumar, Trilok Kumar Singh, Soni Sahay, B.K.Dayal, Ganesh Prasad and Narendra Srivastava**
“Study On Heavy Metal Contamination In The Water Of Flood Feed Tributary of Koshi, Dah River In Bhagalpur District(Bihar)”
- Singh Sunder**
“Assessment Of Fluoride Content, Ph And Tds In Potable Water Of Towndeeg (Bharatpur): An Environmental Concern”
- Sinha Rajesh Kumar, Ashish Kumar and Ejaz Jawaid**
“Study On The Cellular Structure And Functional Aspects Of The Olfactory Organ Of Ompok Bimaculatus (Ham.)”
- Sreelekshmy S. G., M.T.P. Miranda and F. G D. Cruz**
“ Utility Of Biomarkers In The Marine Catfish Arius Nenga A Common Food Fish Of Kerala - For Environmentaassessment”
- Subashini M., Mujeebunisa, M. Saravanan S., Divya V., VasanthakumarD. and D. Aruna**
“Influence Of Sevin, Lactobacillus Sporogenes And Essential Microbes Supplementation On Certain Biochemical Parameters Of Eudrilus Eugeniae (Kinberg) During Regeneration .”
- Tiwari Vidyanand and S.P. Trivedi**
“Chlorpyrifos-Induced Changes In Micronuclei Induction Of Channa Punctatus: An Ameliorative Role Of Rouwolfia Serpentine Root Extract”
- Zodape Gautam V.and Anant P. Argekar**
“Isolation And Characterization Of Bioactive Compound From Methanolic Extract Of Crab Atergatis Integerrimus (Lamarck) Of West Coast Of Mumbai (India)”

Section 2: Faunal Diversity

14.30 – 15.30

INVITED LECTURES

Prof. J.S. Tara

Dr. Sarabjeet Kour

15.30– 17.30

Oral Session –2

Venue

:

Akhilesh Dinesh Modi Institute

Ahmad Bashir and Vinoy K. Shrivastava

“Protective Role Of Saffron Against Zearalenone Induced Toxicity On Morphology Of Female Mice Mus Musculus”



Anamika

"Histopathological Impact Of Profenofos On The Kidney Of Fresh Water Air- Breathing Fish Channa Gachua."

Anand Puja¹, Preety Sinha¹, A. Nath, Aseem Kumar Anshu and Shailendra Kumar

"Arsenic Induced Renal Toxicity And Its Correlation With High Lipid Peroxidation In Swiss Albino Mice"

Bhardwaj Jitender Kumar and Priyanka Saraf

"Light And Electron Microscopic Analysis Of Malathion Induced Cytotoxicity In Ovarian Antral Follicles Of Goat(Capra Hircus)"

Bini Anupriya and Devendra Kumar Singh

"Picroliv Prevents Thioacetamide Induced Fulminant Hepatic Failure By Modulating Tgf- β /Smad Signaling Cascade"

Chakraborty and Suman Bhusan

"Oral Administration Of Basella Alba Leaf Methanol Extract And Genistein Enhances The Growth And Nonspecific Immune Responses Of Nile Tilapia"

Chandel B. S. and Rajeev Trivedi

"Aphicidal Responses Of Naturally Occurring Plant Extracts Against Green Peach Aphid Myzus Persicae Sulz. (Aphididae : Hemiptera) "

Ganaie Hilal Ahmad and Md. Niamat Ali

"Genotoxicity Testing Of Phorate, Dimethoate, Thiometon And Methyl-S-Demeton By Using Cyprinus Carpio Micronucleus Assay"

Gupta Madhvi and J.S. Tara

"Life Cycle Of Spodoptera Litura (Fabricus), A Serious Defoliator Of Mango (Mangifera Indica) From Jammu (J&K, India)"

Gupta Tejishtha Y. , B. L. Jadhav , Amitkumar A. Patil¹ and Nitin D. Jadhav

"Evaluation Of Phytochemical And Wound Healing Potency Of Ethanolic Leaves Extract Of Eclipta Alba (Linn) Hassk In Streptozotocin Induced Rats."

Javed Hina

"Toxic Levels Of Arsenic In Environment And Human Health:A Review"

Joshi Namita and Priya Chaudhary

"Seasonal Changes In Fungi, Microbial Biomass And Chemical Parameters In Forest Soil"

Joshi Namita and Priya Chaudhary

"Litter Decomposition And Nutrient Mineralization Pattern In A Subtropical Forest Ecosystem"

Joshi Namita and Meha Bora

"Heavy Metal Uptake Capacity Of Some Plant Species For Phytoremedial Application"

Kaur Gurumeet and K.P.Mishra

"Histopathological Change On Ovary Of The Fish Channa Punctatus Exposed To Sub-Lethal Concentration Of Chlorpyrifos 50% + Cypermethrin 5% Ec"

Kirubha P., Sathya M., Rajeshwari V., Sumaiya M., Elango M .and Sakti Shree K.

"Alleviation Of Diethylnitrosoamine Induced Changes In Testis Function By Aqueous And Ethanolic Pomegranate Peel Extract In Albino Rats."

Kumar Ritesh and B.K.P. Mishra

"Behavioural And Morphological Changes Induced In The Freshwater Fish, Clarias Batrachus Exposed To Chlorpyrifos 50% + Cypermethrin 5% Ec."

Kumar Shailendra Nath, A., Priyanka, Asem Kumar and J.K. Singh

"Comparative Analysis Of Arsenic Detection In Water By Field Test Kit And Hgaas Methods"



Kumar Vivek and S.P.Trivedi
"Ameliorative Effect Of Curcumin Against Hexavalent Chromium (Cr (Vi)) Genotoxicity in Channa Punctatus"

Maheshwari Shweta and Anish Dua
"Mercuric Chloride Induced Alterations In The Fin Epithelium Of An Air Breathing Fish, Channa Punctatus(Bloch)"

14.30– 17.30 Concurrent Poster Session –II

Venue : Akhilesh Dinesh Modi Institute

Session 3: Environmental Biology Toxicology

14.30 – 15.30

INVITED LECTURES

Prof. H. S. Sehgal

Prof. B.D. Joshi

15.30– 17.30 Oral Session –2

Venue : Akhilesh Dinesh Modi Institute

Gokul B. Kale
"Biodiversity And Habitat Association Of Spiders In Dnyanganga Wildlife Sanctuary Of Botha" Forest In Maharashtra

Jyoti D. Vora
"Insight Into The Biochemical Link Between Biodiversity And Nutraceuticals"

Anil Kumar P.
"Faunal Diversity Of Zooplankton In Coringa Mangrove Back Waters Of Kakinada Bay"

Mahapatra B. K., U. K. Sarkar and W. S. Lakra
"Fish Biodiversity Of Sundarbans - Current Status, Potentials, Threats & Management Issues"

Manickam N., P. Saravana Bhavan, T. Muralisankar, V. Srinivasan, P. Santhanam, K. Vijayadevan, P. Chitrarasu, A. Jawahar Ali and K. Altaff
"Biodiversity And Seasonal Variation Of Zooplankton In The Panchapalli Reservoir, Dharmapuri District, Tamil Nadu, India"

Mitra Santanu
"Fresh Water Crab Of Indian Himalaya, Its Diversity, Distribution, Threats And Conservation"

Mukherjee Parnashree
"Numerical Analysis Of Biodiversity Of Zooplankton Population In A Contaminated Fish Cultured Pond Of Central India Using Association And Relative Abundance Index."

Quasim Shazia and Virendra Prasad Uniyal
"Systematics And Distribution Of Spiders (Arachnida: Araneae) In Nanda Devi Biosphere Reserve, Western Himalaya, India"

Ray Shailendra and Nirupama Agrawal
"Systematic Placement Of Kaurma (Chatterji, 1936) Based On Morphology And Molecular Technique"

Saxena A.M., K.G. Bajpai, Rahul Gupta, Samta Johri and Ramakant
"A New Species Of Genus Raosentis (Datta, 1928) From Fresh Water Fish Mystus Vittatus"

Sharma Goutam and Archana Gaur
"Avifauna Of Machiya Safari Biological Park Of Jodhpur (Rajasthan)"

Singh Pranav, Navneet Swami, Jitendra Singh Rana, Nisha, Manju Prakash Gusain and



Om Prakash Gusain

“Morphological Taxonomy Of Ephemeroptera Along An Altitudinal Gradient In River Alaknanda Of Garhwal Himalaya, Uttarakhand (India)”

Verma Amit Kumar and Nirupama Agrawal

“Taxonomic And Molecular Studies Of Family Capsalidae, Baird 1853, Parasites Of Indian Marine Fishes”

Verma Jyoti and Nirupama Agrawal

“Genus Cornudisoides Kulkarni, 1969 (Monogenoidea:Dactylogyridae) And Its Species Richness”

14.30 – 17.30

Concurrent Poster Session –II

Venue

:

Akhilesh Dinesh Modi Institute

Deshmukh and Ujjwala Shivaji

“Studies On Some Orb-Weavers Of The Genus Neoscona (Araneae: Araneidae) From Outskirts Of Amravati (M.S.) India.”

Hembrom Amita and Braj Kishore Sinha

“A Report On Pseudoscorpion (Pseudoscorpionide, Haekel) From Reclaimed Coal Mine Spoil Of Kathara, Jharkhand, India”

Kanaujia Amita, Ashish Kumar, Adesh Kumar, Shivangi Mishra, Sonika

Kushwaha, Akhilesh Kumar and Daya Shanker Sharma

“Butterfly Fauna Of Kukrail Reserve Forest, Lucknow Uttar Pradesh, India”

Kanaujia Amita, Adesh Kumar, Sonika Kushwaha and Akhilesh Kumar

“A Biodiversity Hub: Sandi Bird Sanctuary, Hardoi, Uttar Pradesh, India”

Mote Ashok and Hemlata Wankhede

“On A New Species Of The Genus Tylocephalum, Linton, (1890) From The Intestine Of Marine Fish. Dicerobatis Eregoodoo.”

Nikam S.V., S.C. Lokhande, T.A. Sontakken and Mahadev Kale

“Comparative Study On Prevalence Of Free Living Protozoa Of Soil And Water From Godawari Basin Paithan”

Patil G. P. and T. G. Deshmukh

“Conservation Of The Economically Important Air Breathing Catfish, Clarias Batrachus (Li N.) Through Artificial Breeding”

Patole S. S., Patil M. U., Bauskar Madhusudan and D. Jadhav S. S.

“Studies On Freshwater Fish Fauna Of District Dhule In Northern Maharashtra, India.”

Pawar B. A., A. K. Pandarkar, V. K. Vikhe, D. V. Lokhande and S. K. Aher

“Diversity Of Molluscan Fauna Of Pravara River In Relation To Pollution, Ahmednagar District, Maharashtra”

Purusothaman S., N. Jayaprabha and K. Sakthivel

“Environmental Influence On The Trawl Catches In Cuddalore And Parangipettai, Southeast Coast Of India”

Ravikiran N.K., R. S. Kulkarni and Sharanappa Padashetty

“Fish Fauna Of Kurikotta Bridge Bennithora River, Gulbarga District Of Karnataka.”

Shirbhate Milind V. and Amrita M. Shirbhate

“Diversity Of Spiders From The Family Thomisidae Inhabiting Forest Of Katepurna Sanctuary, Akola, India”



Sivakumar J.¹, J. Jayanthi² and M. G. Rangunathan²

"Population Dynamics Of Emerita Asiatica (H. Milne Edwards, 1837) In Relation To Sand Organic Carbon In The Kovalam Beach, East Coast, Kanchipuram District Of Tamilnadu, India"

Verma Dharm Raj, Tabrez Ahmad, Sandeep Bajpai, Jitendra Kumar Bharti, Sangita Mishra and U.B. Singh

"Fish Faunal Diversity Of Historical Tara-Tal At Saugahana Village District Bahraich (Uttar Pradesh)"

January 07, 2015

14.30 – 19.30

SECTION & INVITED LECTURES,
ORAL PRESENTATIONS AND
CONCURRENT POSTER PRESENTATIONS

Venue : Akhilesh Dinesh Modi Institute

Section-1: Environmental Biology Toxicology

14.30 – 15.30

INVITED LECTURES

Prof. B. N. Panday

Prof. G.K. Kulkarni

15.30– 17.30

Oral Session –I

Venue : Akhilesh Dinesh Modi Institute

Mitter C.S. , B.L. Jadhav and Pratik Dhavan

"Screening Of Methanol Soluble Bioactive Compounds In Thespsia Populnea Soland Ex Correa"

Nandi S.1, Mohamed Farma and P.S.P. Gupta, Shiv Kumar Tripathi¹

"Plasma Concentrations Of Tsh, T3, T4, Igf-I And Insulin In Normal And Metabolic Stressed Ewes"

Panneerselvam C., S. Vivek , K. Murugan and J. S. Hwang , K. Kovendan, D.Amerasan

"Green Synthesis Of Silver Nanoparticle Using Acalypha Indica Leaf Extract And Its Larvicidal Activity Against Malaria And Dengue Vectors"

Paul R. and S. N. Ramanujam

"Glutathione Redox Status In Some Tissues Of Copper And Cadmium Induced Air-Breathing Catfish, Heteropneustes Fossilis (Bloch)"

Prasad Rajendra, A. S. Mishra and Naresh Girdhar

"Soil- Water- Plant-Animal Interrelation Ship Of Micro Minerals In Meerut District Of Uttar Pradesh"

Prasad Rajesh and Sunil P.Trivedi

"The Effluent Effects Of Reliance Thermal Power Plant On Fresh Water Fishes In Garra River"

Ratn Arun and Sunil P. Trivedi

"Transcription Factor Evaluation Of Molecular Links In Dichlorvos Induced Oxidative Stress, Inflammation, Carcinogenesis And Its Chemoprevention By Herbal Plants In Fish, Channa Punctatu"



Sahoo D.D. and T.C Kara

“Effect Of Cadmium On Pro-Oxidant And Antioxidant Status In Different Age Groups Of Male Common Indian Toads, Bufo Melanostictus”

Satpathi Manisha, Pramod Kumar Sinha and Ravinder Singh

“Acute Toxicity Study Of Diethyl Phthalate On Haematological Parameter In Freshwater Fish, Clarias Batrachus (Linn.)”

Sharma Poonam and Rambir Singh

“Curcumin And Quercetin Ameliorate Cypermethrin And Deltamethrin Induced Male Sterility In Wistar Rats By Upregulating Activity Of Pituitary Gonadal Hormones And Steroidogenic Enzymes”

Sharma Shelly and Pooja Chadha

“In Vivo Evaluation Of Genotoxicity Induced By Chlorpyrifos(Organophosphate Pesticide) Using Single Cell Gel Electrophoresis”

Shukla Aparna and Prabhu N. Saxena

“Modulatory Response Of Eucalyptus Tereticornis And Liv. 52 On Vanadium Intoxicated Lipoproteins In Rat”

Singha H. Ashalata and Meenakshi Bawari

“Neurotoxic Effect Of Sub-Lethal Concentrations Of Malathion On Freshwater Fish, Channa Punctatus (Bloch).”

Somaiah K. and K. Sunita

“Studies On The Biochemical Responses In The Tissues Of Freshwater Fish Labeo Rohita Exposed To The Organophosphate Pesticide Phenthoate”

Tiwari Vidyan and S.P. Trivedi

“Chlorpyrifos-Induced Changes In Micronuclei Induction Of Channa Punctatus: An Ameliorative Role Of Rouwolfia Serpentine Root Extract”

Tiwari Mohit, D.N.Saksena and N.S.Nagpure

“Acute Toxicity Levels And Ethological Responses In Labeo Rohita (Ham.) After Cypermethrin Exposure”

Trivedi Rajeev and B.S. Chandel

“Bioactivity Of Momordica Charantia, Mentha Piperata And Ocimum Basilicum Extracts Against, Dysdercus Cingulatus Fabr.”

Usmani Nazura and Mehjbeen Javed

“Evaluation Of Activities Of Transaminases, Phosphatase And Kinase In Fish Channapunctatuson Exposure To Sugar Mill Effluent”

Yadav Shankar, Rajesh Kumar, Deepmala Gupta and Madhu Tripathi

“Effects Of Subchronic Exposure To Fluoride On Antioxidant Defence System And Malondialdehyde Levels In Cat Fish (Heteropneustis Fossilis) Bloch”

14.30 – 17.30 Concurrent Poster Session –II

Venue : Akhilesh Dinesh Modi Institute

Avinashe A.M. and G.P. Patil

“Toxic Effect Of Selenium Dioxide On The Histophysiology Of Testis Of Air Breathing Fish, Channa Punctatus (Bloch)”

Baruah Indira

“Toxicological Impact Of The Malathion Exposure On The Vital Organs Of Monopterus Cuchia (Ham- Buch)”



Bora Meha* and Namita Joshi

"A Study On Foliar Physiological Response Of Certain Tree Species To Seasonal Dust Load Accumulation"

Borkar Archana and Shaila Mane

"Safety Practices In Pesticide Industries"

Chamaraju, A.K. Thathoo and Agarwal S and Agarwal S

"Physico-Chemical Characterization Of Molasses Based Distillery Effluents."

Davne P.M., Khillare, Y.K and More V.R

"The Impact Of Zinc On Liver Cholesterol Levels Of Fish Thynnichthyes Sndkhol"

Divya V., Saravanan S., Mujeebunisha M., Vasanthakumar D. and D. Aruna.

"Effect Of Saccharomyces Cerevisiae Supplementation On Certain Aspects Of Carbohydrate Metabolism In Eudrilus Eugeniae Kinberg Grown In Coffe Ground Waste."

Erande Sopan L.

"Impact Of Phosphomidon In Summer Season On Protein Alteration In Fresh Water Snail Viviparus Bengalensis"

Gulati Alka and R. K. Shanna

"Effect Of Vitamin C And Vitamin E Supplementation On Malathion Induced Changes In Goat Testicular Antioxidant Enzyme Activity And Dna Damage In Vitro"

Gupta Ragni and Amita Kanaujia

"Impacts Of Pesticides On Black Kites, Milvus Migrans Govinda In Bundelkhand Region Of India"

Gupta Ragni and Amita Kanaujia

"Cobalt Chloride Hepatotoxicity And Its Amelioration By Panax Ginseng In Rattus Norvegicus"

Ruchie and J.S. Tara

"First Report On The Infestation Dynamics Of Euproctis Scintillans Walker (Lepidoptera: Lymantridae) On Apple (Malus Domestica Borkh) And Its Relation With Important Weather Factors In Jammu, India"

Kumar Ajeet and Om Prakash Singh

"Studies Of Toxicity Of Antifeedancy Of Neem Against Aceria Litchil (Litch Mite) In Bihar"

Kumar Ajeet and Om Prakash Singh

"Studies Of Toxicity Of Antifeedancy Of Neem Against Aceria Litchil (Litch Mite) In Bihar"

Kumar Vasantha D., Mujeebunisa M., Saravanan S., Divya V. and Aruna D.

"Methomyl Induced Biochemicals Changes In The Gills Of Fresh Water Fish Cirrhinus Mrigala (Hamulto)"

Kumari Suchitra and Rakesh Mohan

"Pollution Status Of North Karanpura Coalfield (Jharkhand)"

Kumari Arti and A.P. Mishra

"Histopathological Effect Of Pesticide Chlorantraniliprole On The Detoxifying Organ, Liver Of Channa Gachu"

Kumari Poonam and Bindu Kumari Singh

"Mitochondrial Dysfunction Involved In Ovarian Toxicityof Mice Caused By Endosulfan And Protective Effects Of Amla"

Muralidharan Leena

"Cytometric Alterations In The Blood Cells Of Cyprinus Carpio (Linn) Exposed To Fenthion"

Pahwa Kanika and Anil K. Tyor

"Evaluation Of Oxidative Stress In African Catfish (Clarias Gariepinus) From River Yamuna In Delhi Region"



Pandit D.N., Satish Kumar and P. Kumari

“Determination Of A Relatively Ideal Median Tolerance Limit (LC₅₀) In An Indian Catfish, Clarias Batrachus (Linn.) For Cupric Sulphate”

Priya M. N, Darsana U., Sreedevi, R., Sujith S and Deepa C. K

“Anthelmintic Activity Of Different Extracts Of Ocimum Sanctum Against Fasciola Hepatica”

Priyanka A. Nath, Shailendra Kumar, Aseem Kumar Anshu and Richa Chauhan

“Oral Cancer And Consumption Of Smokeless Tobacco”

Satheesh Kumar P.,Thamilarasi P. and Aruna D

“Effect Of Lotus (Nelumbo Nucifera Gaertn) Fresh Petal Extract On Some Haematological And Antioxidant Activity In Male Wistar Albino Rats”

Sathya M., Rajeshwari V., Kirubha P., Sumaiya M. and Sakthi Shree K

“Effect Of Aqueous And Ethanolic Pomegranate Peel Extract On Diethylnitrosamine Induced Hepatocellular Carcinogenesis In Albino Rats.”

Sharma Zarna and Hemalatha Ramachandran

“Effect Of Video Games On Executive Function And Working Memory”

Sheikh Muzafar Ahmed, Manju Tembhre, Qaisar Jehaan

“Restorative Potential Of T. Officinale Leaves Against Carbon Tetrachloride Induced Hepatopathy In Rats”

Shivachandra S. B., A Kuma. ,N. N. Mohanty and R. Yogisharadhya

“Immunogenicity Analysis Of Recombinant Vacj Outer Membrane Lipoprotein Of Pasteurella Multocida In Mouse Model”

Shukta J.P. and Anuradha Shukla

“Emerging Environmental Carcinogens: A Preliminary Survey”

Behera Sidhartha Sankar, Jayakrushna Das, M.R. Senapati, M. Behera, M. Praharaj and S. Pradhan

“Unusual Case Of Fibrosarcoma In A Dog And Its Surgical Management”

Sujith S.,Sreedevi R., Darsana U., Deepa C. K and Shynu M, Priya M.N

“Invitro Anthelmintic Activity Of Vitexnegundo Leaf Extracts Against Ova And Third Stage Larvae Of Haemonchuscontortus”

Sumaiya M., Sathya M., Rajeshwari V., Kirubha P. and Sakthi Shree K.

“Allevation Of Diethylnitrosamine Induced Carcinogenesis In Liver, Kidney, Testis By Solanum Trilobatum”

Trvedi S. S. and Vimlesh Singh

“Bioefficacy Of Certain Herbal Protectants Against Rhizopertha Dominica Fabr.”

Section 2: Environmental Biology Toxicology

14.30 – 15.30

INVITED LECTURES

Prof. A. K. Thiruvenkadan

Prof. S.S. Kamavisdar

Dr. B.K. Barun

15.30– 17.30

Oral Session –II

Venue

:

Akhilesh Dinesh Modi Institute

Bhardwaj Rahul, Mohd Matin Ansari, Mehtab S. Parmar, Vikash Chandra and G. Taru Sharma

“Mesenchymal Stem Cell Conditioned Media As A Novel Embryo Culture Media For Quality Buffalo (Bubalus Bubalis) Embryo Production In Vitro”



- Deepthi B. V., Poornachandra Rao K. and Sreenivasa M. Y**
“Antifungal Activity Of Lab Inhibiting Fusarium Species In Animal And Poultry Feed Mixtures”
- Gugjoo Mudasir Basir, Amarpal H.P. Aithal, P. Kinjavdekar, A.M. Pawde, T. B. Shivanarayanan, M. M. Ansari, V.Chandra, G. Sai Kumar and G. Taru Sharma**
“Evaluation Of Collagen And Laminin Gels With Mesenchymal Stem Cells For Repair Of Articular Cartilage”
- Gulati Baldev R., Rajesh Kumar, Niharika Mohanty, Taruna Anand and Prem S. Yadav**
“Application Of Stem Cells In Equine Medicine: Current Status And Future Perspectives”
- Gupta Tejishtha Y., Dr. B. L. Jadhav Amitkumar, A. Patil, Nitin and D. Jadhav**
“Evaluation Of Phytochemical And Wound Healing Potency Of Ethanolic Leaves Extract Of Eclipta Alba (Linn) Hassk In Streptozotocin Induced Rats.”
- Hiremath S.S**
“Use Of Pineapple Residue As A Silage With Paddy Straw Feed Supplement For Dairy Cattle – A Field Study.”
- Jain Sushma and Maheep Bhatnagar**
“Effect Of Certain Medicinal Plant Extract On Growth Factors And Neurotransmitters In Rat Brain.”
- Khatoon Sabiha and Mohammad Khalid Saifullah**
“Analysis And Characterization Of Proteases Released By Biliaryamphistomegigantocotyleexplanatum, Infecting Indian Water Buffalo, Bubalus bubalis”
- Kumar Neeti, B. L. Jadhav and Preeti Patel**
“Genetic Variation Among Non Descriptive Cow Populations Of Marathwada Region (Maharashtra) Using Type Ii Molecular Marker”
- Mathur A.K. and Rajendra Prasad**
“Reproductive Performance Of Postpartum Frieswal Cows Fed Individually Under Farm Conditions.”
- Mohanapriya M, Jayanthi J. and Ragunathan M. G**
“Evaluation Of Free Radical Scavenging Activityfrom The Flower Extract Of Hybanthus Enneaspermus (Linn.) F. Mull”
- Nandi S., Mohamed Farman, Girish Kumar V., Shiv Kumar Tripathi, P.S.P. Gupta**
“Plasma Concentrations Of Tsh, T3, T4, Igf-I And Insulin In Normal And Metabolic Stressed Ewes”
- Prasad Madhu D., Rajyalakshmi M. and JagadishNaik M.**
“Ameliorative Potential Of Aqueous Leaves Extract Of Syzygium Cumini (L) Associated Metabolic Alterations In Alloxan Induced Diabetic Rats”
- Sharma Rekha, Sonika ahlawat, A maitra, Manoranjan Roy, S. Mandakmale and M. S. Tantia**
“Genetic Diversity In Indian Goat: A Valuable Asset For Polymorphism Scanning Of Reproductive Trait Candidate Gene (Aa-Nat)”
- Shukla Rakesh Kumar**
“A Study On Prevalence Of Anaplasma Sp. In Bovines Of Saunkhor Area Of Gorakhpur Distt (Uttar Pradesh)”
- Verma Archana, I.D.Gupta, Indrasen Chauhan, Ramesh K.Singh, Bharat Kumar, Sourabh Sulabh Sourabh and R. S. Gandhi**
“Variability In Candidate Genes For Mastitis In Murrah Buffaloes”



Tauseef Ahmad Malik, Azra N. Kamili, M.Z. Chishti, Syed Tanveer, Shazia Ahad and R.K. Johri
“Synergistic Effect Of Berberine And Amprolium While Treatment Of Chicken Coccidiosis”

Tiwari Keshaw Prasad, Muhammad Iqbal Bhaiyat, Alfred Chikweto, Allison Inga, Ravindra Nath Sharma and R.V.S. Pawaiya

“Immunohistochemical Detection Of P53 Tumor Suppressor Protein In Round Cell Tumors Of Dogs In Grenada, West Indies”

Udehiya Rahul Kumar, Amarpal, H.P. Aithal, P. Kinjavdekar, A.M. Pawde and G. Taru Sharma

“Bone Marrow Mononucleated Cells Versus Bone Marrow-Derived Mesenchymal Stem Cells For The Repair Of Segmental Bone Defects In Rabbits”

14.30 – 17.30 Concurrent Poster Session –II

Venue : Akhilesh Dinesh Modi Institute

Ansari Mohd Matin, Vikash Chandra, Amarpal and G. Taru Sharma

“Secretory Profile Of Canine Bone Marrow Mesenchymal Stem Cells”

Asaf V.N. Muhasin, Bharat Bhushan, Manjit Panigrahi, J.P. Gupta, Amod

“Kumar, Sanjeev Ranjan, Pushpendra Kumar, G.K. Gaur and Deepak Sharma Association Of Snp Rsl09492835 Located On Mbll Gene With Mastitis In Vrinda V Ani Crossbred Cattle”

Behera Sidhartha Sankar, Jayakrushna Das, M. R. Senapati, Monalisa Behera and P. Nanda

“A Case Of Colo-Rectal Cacinoma And Its Management By Surgical Resection In Dog”

Gade Nitin E., Pratheesh M.D., Amar Nath, Pawan K. Dubey and G. Taru Sharma

“Ex Vivo Expansion And Culture Of Buffalo Adipose Derived Mesenchymal Stem Cells”

Kumar Vineet, Anil K. Gangwar and Naveen Kumar

“Evaluation Of The Murine Decellularised Dermal Matrix As A Biological Mesh In Dogs”

Muralidharan J. and V. Ramesh Saravanakumar

“Effect Of Supplementation On Carcass Scores And Sensory Evaluation Scores Of Off Season Mecheri Lambs”

Rajpurohit L.S, Sangram Choudhary, Goutam Sharma and Devilal

“Study Of Man-Monkey Conflict In Jodhpur With Special Reference Of Hanuman Langur”

Sahu Subhasish, L. K. Babu, Devender Bidhan, Vishal Sharma and

Anuradha Kumari

“Effect Of Different Level Of Pre Partum Concentrate Supplementation On The Growth Performance Of Kids In Extensive System”

Saraf Priyanka and Jitender Kumar Bhardwaj

“Methoxychlor Induced Apoptosis In Antral Follicles Of Goat (Capra Hircus) Ovary In Vitro”

Shivachandra S. B., A. Kumar, N. N. Mohanty and R. Yogisharadhya

“Immunogenicity Analysis Of Recombinant Vacj Outer Membrane Lipoprotein Of Pasteurella Multocida In Mouse Model”

Bipin K.C.1, Sooryadas S., Deepthy B.J., Sreenish Krishna B. K., Aswathy P. and Lekshmi J. Das

“Management Of Staphylococcus Infected Scrotal Abscess In A Dog Using Natural Honey As Topical Dressin”



102nd Indian Science Congress
3 – 7 January 2015



SECTION		Anthropological and Behavioural Sciences (including Archaeology, Psychology, Education and Military Sciences)
Sectional President	:	Prof. Anup Kumar Kapoor
Sectional Local Secretary	:	Prof. Gautam Gawali
Sectional Recorder	:	Dr. Rakesh K. Srivastava, Associate Professor & Head

January 04, 2015		
14.30 - 17.00		
Venue		C. D. Deshmukh Bhavan
Presidential Address (30 min)	:	Prof. Anup Kumar Kapoor Former Vice-Chancellor, Jiwaji University, Department of Anthropology, University of Delhi, Delhi <i>“Anthropology and Behavioral Sciences: An Adamantine Approach for Human Development”</i>
Platinum Jubilee Lecture (30 min)	:	Prof. Soumendra Mohan Patnaik Department of Anthropology, University of Delhi; Delhi <i>“Technology, Networking and Contemporary Anthropological Research”</i>
Memorial Award Lecture (30 min)	:	Prof. Gautam Gawali Department of Applied Psychology and Counselling Centre, University of Mumbai, Mumbai <i>“Technology, Equality and Power: A Discourse on Conditions of Peace”</i>
Young Scientist Award Presentations	:	1) Sujeet Pratap, Varanasi 2) Abhishikta Ghosh Roy, Kolkata 3) Monika Saini, Delhi
17.20 – 17.40 SECTIONAL COMMITTEE ELECTION		



January 05, 2015

14.30 – 19.30

SYMPOSIUM & INVITED LECTURES,
ORAL PRESENTATIONS AND
CONCURRENT POSTER PRESENTATIONS

Venue

:

C. D. Deshmukh Bhavan

SYMPOSIUM : Role of Bio-Cultural Anthropology for Human
Development

14.30 – 16.00

INVITED LECTURES

Barun Mukhopadhyay

Indian Statistical Institute, Kolkata

"Biocultural Dimensions of Elderly Health: Some Options for Healthy Aging"

G. Gandhi

Guru Nanak Dev University, Amritsar

"Bioethics and Medical Genetics"

H. Lamin

School of Human and Environmental Sciences, Shillong

"The Impact of Globalization And Modernity on Tribal Youth of North –East India"

Rashmi Sinha

Indira Gandhi National Open University, New Delhi

"Role of Anthropology in Combating Obesity"

Subha Ray

University of Calcutta, Kolkata

"Biocultural Perspectives of Menopause: Some Anthropological Observation"

Nilika Mehrotra

Jawaharlal Nehru University, New Delhi

"Role of Anthropology in Disability, Rehabilitation and Social Justice"

Shefali Pandya

University of Mumbai, Mumbai

"Life Skills Education as a Bridge to Human Capabilities for School Dropouts : A Mixed Methods Research"

Udai Pratap Singh

University of Lucknow, Lucknow

"Tracking Bio-cultural Pathways to Human Populations"

Shaunak Shrinivas Kulkarni

Pune University, Pune

"Biological Adaptations in Human Dentition: Life Style and Dental Variation"

Subir Biswas

West Bengal State University

"Anthropology's Contribution to Public Health"

P. Venkatramana

Indira Gandhi National Open University, New Delhi

"Role of Anthropology in Nation Development: An Indian Context"



102nd Indian Science Congress
3 – 7 January 2015



Renu Tyagi SPIESR, Ahmadabad <i>"Socioeconomic Participation of Elderly & Development: A Prospective Approach"</i>		
16.00 – 17.45 Concurrent Poster/Oral Session –I		
Venue	:	C. D. Deshmukh Bhavan
Parallel Session I	:	Presentation of Contributed Research Papers in Anthropology, Archaeology, Home Science and Military Science
Parallel Session II	:	Presentation of Contributed Research Papers in Psychology and Education

January 06, 2015		
14.30 – 19.30		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	C. D. Deshmukh Bhavan
SYMPOSIUM : Enhancement of Human Development Through Behavioral Sciences		
14.30 – 16.30		
INVITED LECTURES		
<p>K. Kodanda Reddy Sri Venkateswara University Tirupathi <i>"Metabolic Profile and Body Fat Distribution in Diabetic Hypertensives and Normotensives"</i></p> <p>Ranjeeta Kumari Central Forensic Science Laboratory Navi Mumbai <i>"The Development and Application of "Forensic Science" in "Human Truth Testing" and "Crime Investigation" "</i></p> <p>N.K. Saxena Kanpur <i>"Anthropology and Behavioral Sciences: An Interdisciplinary Understanding in Human Development"</i></p> <p>Abdullah A. Ashraf Guwahati University, Guwahati <i>"Cultural Developments in India's North East through the Traditions of Stone Age (Prehistoric Northeast on Anthro-Archaeological Perspective)"</i></p> <p>Rajesh K. Gautam H.S. Gour University, Sagar <i>"Correlates and Determinants of Human Development Index"</i></p> <p>Sushil Kumar Goel Sri Rameshwar Dham, 102, A.K. Gopalan Nagar, Khatipura, Jaipur <i>"Positive Thinking for Health, Happiness and Harmony"</i></p> <p>Abhik Ghosh Department of Anthropology Panjab University, Chandigarh <i>"Ethical Considerations in Development: The Anthropologist as Subversive"</i></p>		



Manoj Kumar Singh

Department of Anthropology, University of Delhi, Delhi

“Acheulian Culture of Kondapeta , Andhra Pradesh”

Arun Patwari

Associate Professor & Head of the Department/Research Centre for Defence Science, Hindu College, Moradabad

“Computer Science and Technology for Defence Development”

M. Narayanaswamy

Department of Education, Bangalore University, Bangalore

“A Study of Leadership Behaviour of School Heads In Relation To Academic Performance of Secondary School Students”

S. Jibonkumar Singh

Head, Department of Anthropology, Manipur University, Manipur

“Obesity: A Public Health Issue”

Anjali Kurane

Head, Department of Anthropology, Pune University, Pune

“Anthropology and Human Development: Opportunities & Challenges”

16.30 – 19.30

Poster/Oral Session –I

Venue	:	C. D. Deshmukh Bhavan
Parallel Session I	:	Presentation of Contributed Research Papers in Anthropology, Archaeology, Home Science and Military Science
Parallel Session II	:	Presentation of Contributed Research Papers in Psychology and Education

January 07, 2015

14.30 – 19.30

**SYMPOSIUM & INVITED LECTURES,
ORAL PRESENTATIONS AND
CONCURRENT POSTER PRESENTATIONS**

Venue	:	C. D. Deshmukh Bhavan
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SYMPOSIUM-III : Anthropology and its Allied Human Development: A Future

14.30 – 16.30

INVITED LECTURES

Dr. Y.C. Simhadri

Vice Chancellor, Patna University, Patna

“Youth, Criminal Tribes: DNA –An Anthropological Analysis”

Prof. Vasudha Kamat,

VC, SNDTWU, Mumbai

“Learning Technologies: For Teachers and Learners of Today and Tomorrow”

Dr. Sudarsan Dash

Senior Program Manager, United States-India Educational Foundation, New Delhi

“Fulbright-Nehru Fellowship Opportunities in the U.S.”

Dr. Satish Chandra Kumar

Associate Professor, Department of Applied Psychology and Counselling Centre, University of Mumbai

“Building Psychological Capital to Enhance Organizational Performance”



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3 – 7 January 2015



Dr. Meenal Dhall

Assistant Professor, Department of Anthropology, University of Delhi

“Anthropology: Essential for Human Development”

Dr. Ajeet Jaiswal

Assistant Professor, Department of Anthropology, Pondicherry University, Puducherry

“Child Labour and Indian Carpet Industry”

Dr. Rahul Patel

Assistant Professor, Department of Anthropology, University of Allahabad, Allahabad

“Hypertension and Life-Style Changes Among The Jaunsarese Of Uttarakhand”

Dr. K. K. N. Sharma

Associate Professor, Department of Anthropology, Dr. Harisingh Gour Viswavidhyalya, Sagar

“Tribal Health: Anthropological Perspective”

Prof. Rajni Dhingra

Head, Department of Home Science, University of Jammu

“Effect of Armed Conflict On Children’s Behavior”

Prof. Subhadra Mitra Channa

Department of Anthropology, University of Delhi, Delhi

“Anthropology: The Science of Humanity or a Humane Discipline?”

Prof. H. C. Srivastava

Retired Professor and Head, Department of Development Studies, The International Institute for Population Sciences (IIPS), Mumbai

“Fertility Transition and Preferences among the Scheduled Castes and Tribes in India”

16.30 – 19.30

Poster/Oral Session –I

Venue	:	C. D. Deshmukh Bhavan
Parallel Session I	:	Presentation of Contributed Research Papers in Anthropology, Archaeology, Home Science and Military Science
Parallel Session II	:	Presentation of Contributed Research Papers in Psychology and Education



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3 – 7 January 2015



SECTION		Chemical Sciences
Sectional President	:	Prof. Ananda Prakash Mishra
Sectional Local Secretary	:	Prof. A. K. Srivastava Department of Chemistry, University of Mumbai
Sectional Recorder	:	Prof. Ranjana Aggarwal

January 04, 2015		
14.30 - 17.00		
Venue	:	Green Technology
Presidential Address (30 min)	:	Prof. A. P. Mishra Dept. of Chemistry Dr. H.S. Gour Central University, Sagar, India Prof. Daya Shankar Pandey Dept. of Chemistry Faculty of Science, Banaras Hindu University, Varanasi <i>"Supramolecular Inorganic Gels"</i>
Platinum Jubilee Lecture (30 min)	:	Prof. Daya Shankar Pandey Dept. of Chemistry Faculty of Science, Banaras Hindu University <i>"India Supramolecular Inorganic Gels"</i>
Young Scientist Award Presentations	:	1) Prabhat K. Singh, Mumbai 2) Shilpi Ghosh, Delradun 3) Saikat Kumar Seth, Purba Medinipur
17.00 – 17.43 SECTIONAL COMMITTEE ELECTION		

January 05, 2015		
14.30 – 18.15		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	Green Technology
SYMPOSIUM		
14.30 – 16.30		
INVITED LECTURES		
<p>Prof. Girjesh Govil INSA Honorary Scientist, Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Mumbai <i>"Nuclear Magnetic Resonance(NMR) a journey from molecules to living systems."</i></p> <p>Prof. Ganesh Pandey Director, CBMR Molecular Synthesis Laboratory, Centre of Biomedical Research, Sanjay Gandhi PGIIMS Campus, Raebareli Road, Lucknow <i>"Complex Natural product Structures a Driving Force for Innovations in Organic Chemistry"</i></p>		



Dr. Patrick J. Baker

Director, Weapons & Materials Research Laboratory, US Army Research Laboratory, MD, USA

“Basic Research in Emerging Sciences – A vision for Potential US India Collaboration”

Dr. K. S. Rangappa

Dept. of Studies in Chemistry, University of Mysore, Manasagangotri, Mysore

“Design and Development of Synthetic Heterocyclic Small Molecules as Drug Seeds to Prevent Cancer.”

Dr. Shashi P. Karna

Weapons and Materials Research Directorate, US Army Research Laboratory, Aberdeen, MD (USA)

“Bio-Nano Interface : Fundamental Understanding and Potential Applications”

16.30 – 18.15

Poster/Oral Session –I

Venue

:

Green Technology

Dr. Surendra Prasad

School of Biological and Chemical Sciences, Faculty of Science, Technology and Environment, The University of the South Pacific, Private Mail Bag, Suva,

“Fiji Micellerkinetic investigation of ligand exchange reaction leading to analytical method development”

Prof. K. K. Mishra

Dept. of Chemistry RD university, Jabalpur (M.P.).

“Nanocatalysis in the Oxidation of Some Bioactive Sulphydryl Substrates;”

Dr. Anshu Dandia

Centre of Advanced Studies, Department of Chemistry, University of Rajasthan, Jaipur

“Appraisal of catalytic activity of nanocatalysts towards the environ-economic synthesis of pharmaceutically imperious heterocycles”

Prof. Neeraj Sharma

Department of Chemistry, Himachal Pradesh University, Summer Hill, Shimla

“Chemistry and Biology of Hydroxamic Acids- An Intriguing Family of Bioligands”

Dr. Surya Prakash Singh

CSIR-Indian Institute of Chemical Technology (IICT), Tarnaka, Uppal Road, Hyderabad

“Materials for Sustainable Energy: Development of 3rd Generation Excitonic Solar Cells”

January 06, 2015

14.30 – 18.00

**SYMPOSIUM & INVITED LECTURES,
ORAL PRESENTATIONS AND
CONCURRENT POSTER PRESENTATIONS**

Venue

:

Green Technology

SYMPOSIUM

14.30 – 16.30

INVITED LECTURES

Dr. Rajeev Jain

School of Studies in Chemistry of Chemistry, Jiwaji University, Gwalior

“Voltammetric Sensors in Pharmaceutical Analysis in Solubilised Systems”

Prof. Sushil K. Pandey

Department of Chemistry, University of Jammu, Jammu



“New Generation Disubstituted Diphenyldithiophosphates of Transition and Non-Transition Metals”

Dr. Ram T. Pardasani

School of Chemical Sciences and Pharmacy, Central University of Rajasthan, Ajmer, Rajasthan

“multicomponent synthesis of library of Spiroheterocycles : A green route to pharmaceuticals and healthcare”

Prof. M.M.Salunkhe

Vice Chancellor, Yashwantrao Chavan Maharashtra Open University, Nashik

“Some novel methodologies for synthesis of novel hybrids of some biomolecules”

Dr. D. Ashok

Department of Chemistry, Osmania University, Hyderabad

“Greener Synthesis of Bis-Heterocyclic compounds and Evaluation of their antimicrobial and antioxidant activities”

16.30 – 18.00

Poster/Oral Session –I

Venue

:

Green Technology

Dr. R. S. Ningthoujam

Chemistry Division, Bhabha Atomic Research Centre, Mumbai

“Nanomaterials for light emitting display and cancer therapy applications”

Dr. C.S. Mathela

Department of Chemistry, Kumaun University, Nainital

“Scope of Natural Products in Drug Discovery”

Dr. R. N. Yadava

Natural Products Laboratory, Department of Chemistry, Dr. H. S. Gour Central University, Sagar M.P.

“Studies on Potential Allelochemicals from Indigenous Medicinal Plants”

Dr. Raj Ranjan Jha

Department of Chemistry, Ranchi University

“Chemical Analysis of Hydrogeochemical Samples”

Dr. Sushil K Gupta

School of Studies in Chemistry, Jiwaji University, Gwalior

“Structural Studies of Biologically Significant Schiff base Complexes”

Dr. Vineet Kumar

Chemistry Division, Forest Research Institute Dehradun

“Natural polysaccharides: structural studies and derivatisation”

D.N Tripathi, DRDO Kanpur

“Development of Elastomeric Seals for Decease Application”

January 07, 2013

Venue

Green Technology

14.30 – 16.30

Lecture/ Oral Presentation Session

Anish C Pandey

Jiwaji University

“Atmospheric pollution and chemistry of medicinal flora “

S.Sharma

Magadh University

“Abnormal magnetic moment of Ni(II) complexes”



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3 – 7 January 2015



SECTION		Earth System Sciences
Sectional President	:	Prof. K.L.Shrivasava
Sectional Local Secretary	:	Prof. Rajiv Mishra
Sectional Recorder	:	Prof. Pankaj Srivastava

January 04, 2015		
14.30 - 16.00		
Venue		New Lecture Complex
Presidential Address (30 min)	:	Prof. K.L.Shrivasava J.N.V. Univ. Jodhpur <i>"A New Type of Uranium Deposit Prospects in the Indian Desert."</i>
Platinum Jubilee Lecture (30 min)	:	Prof. Rajesh K. Srivastava CAS in Geology, BHU, Varansi <i>"Kerguelen Plume Induced Mantle Derived Early Cretaceous Ultramafic-Alkaline-Carbonatite Complexes from the Shillong Plateau, North Eastern India : Evidence for Multiple Magmatic Intrusions."</i>
Foreign Speaker's Lecture	:	Prof. (Dr) R.Mishra McMaster University, Hamilton, Canada. <i>"Water Quality and Community Health: From Detection To Development Through Science, Technology And Partnership. India-Canada Joint Research Project"</i>
Young Scientist Award Presentations	:	<ol style="list-style-type: none"> 1. Kartik Bera Midnapore 2. Ishya Devi Jammu 3. KV Subrdmanyam Kerala 4. Prakash Kumar Singh Mumbai 5. S.S. Prijith Thiruvananthapuram
17.20 – 17.40 SECTIONAL COMMITTEE ELECTION		

January 05, 2015		
14.30 – 18.00		
Lectures/ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue		New Lecture Complex
14.30 – 16.00 Oral Presentation Session		
Dr. K.L. Rai, Former Head, ISM <i>"Adoption Of United Nations framework Classification Of Mineral Resources In India: Current Status, Constraints And The Way Forward."</i>		



Ram S. Sharma.

“Geodynamic Evolution of Himalaya.”

RSN Sastri.

“Geochemical Exploration Strategies.”

B. K. Bhadra,

“Snowmelt Runoff Modeling and its Implications in Hydropower Potential Assessment in Dhauliganga Catchment of Pithoragarh District, Uttarakhand.”

14.30 – 16.00

Concurrent Poster Session

Dr. V. Subramanyan

“The Seismic Scenario Of Mumbai”

Dr. R.K.Bajpai

“Geological Challenges In Permanent Disposal Of Radioactive Wastes In India: An Overview”

DR. P. Kundal

“Geological Investigation And Mapping Of Basaltic Terrain Of Shirpur Taluka, Dhule District, Maharashtra Using High Resolution Cartosat-I Data”

Neeraj Srivastave

“Economic deposition of emerald near village Kaliguman, Tehsil Amet, District Rajsamand of Rajasthan, India”

Kumari Anjali

“Prospect of utilisation of low grade limestone deposit in cement industry - A case study of siliceous limestone of Patratu area, District-Ramgarh, Jharkhand”

Arun Kumar Khan

“Heat capacity at constant volume of NaCl crystal under high pressure”

Neeraj Srivastave

“Prospect & constrain of small scale mines of Rajasthan, India ”

R.G. Goswami

“Mineral exploration in ultramafic terraines of Rajasthan”

16.00 – 17.30

Oral Presentation Session

Venue

: New Lecture Complex

Pratap Singh Parihar

“Prospects of mineral prospecting in India”

B.K.Sahu

“Malanjkhand polymetallic copper sulphide porphyry deposit, Madhya Pradesh, India: Review and future prospect”

Seema Gupta

“Thermo-Elastic properties of $(Mg_{1-x}Fe_x)SiO_3$ Perovskite under high pressure”

Pratik Kumar Singh

“Changing in Hydrological Cycle”- An Important Issue on Climate Earth System”

Dewashish Kumar

“New evidence of gold, nickel-copper sulphide mineralization inferred from geological and geophysical dataset in mafic gabbro-pyroxenite complex, central India”

Agarwal and Chandra Prakash

“Evidences of neotectonic activity around Tanakpur-Champawat area, Kumaun Lesser Himalaya”



16.00 – 16.40 Concurrent Poster Session		
Venue	:	New Lecture Complex
<p>Vinod Chandra Tewari <i>“Himalayan Speleothems as proxy for the past climate change and paleomonsoon”</i></p> <p>S.K.Nag, <i>“Deciphering groundwater quality for irrigation and domestic purposes – A GIS based case study of Suri I and II Blocks, Birbhum District, West Bengal, India”</i></p> <p>Atul Kumar Varma <i>“Hydrocarbon generation potential of selected borehole coal and shale samples from Jharia basin, Jharkhand.”</i></p> <p>Muhsin M <i>“Radiosonde observations of turbulence in the troposphere and lower stratosphere over Indian monsoon region.”</i></p> <p>K. SINGH <i>“Characteristic study of solar activity during SolarCycle”</i></p> <p>Devesh Khandelwal <i>“Hydro-geochemical study of high fluoride in ground water with help of G.I.S. application: a case study of Kishangarh, District Ajmer, Rajasthan”</i></p> <p>Deepak J. Pandya <i>“Application of cow urine , butter milk and blue green algae to decrease the salinity and improvement of soil environment”</i></p>		

16.40 Oral Presentation Session		
Venue	:	New Lecture Complex
<p>Dr. Naresh Kochhar <i>“The Malani Supercontinent”</i></p> <p>Dr. Joydip Mukhopadhyay <i>“Bif-Hosted Iron Ores Of The Paleo-Mesoarchean Iron Ore Group, Singhbhum Craton: An Insight Into The Recent Advances In The Understanding Of Iron Ore Genesis”</i></p> <p>Dr. P.S.N.Murthy <i>“Phosphorous Problem In The Iron Ores With Special Reference To Donimalai Iron Ore Deposits Of Bellary District, Karnataka State, India”</i></p> <p>Upendra Kumar <i>“A Comparative study of Nitrogen status of three varieties of Paddy”</i></p> <p>P.M.Natarajan, <i>“Restrain Population to Sustain Human Civilization”</i></p> <p>More B. C <i>“Indigenous knowledge for weather forecasting in Dhule District of Maharashtra (India)”</i></p> <p>Sandhya <i>“Change in land use land cover dynamics in Indira Gandhi Canal Command Area a case study of Anupgarh and Vijayanagar Tehsils”</i></p>		
16.40 Concurrent Poster Session		
<p>Trilochan Singh <i>“Hydropower Development in the Himalaya : Constraints and Challenges,with emphasis on Geological Investigations”</i></p>		



Shiv Singh Rathore et.al.
"Journey of the Jodhpur city since its foundation through Water Impounding Structures"

Dr.D.Panda
"Geomorphological evolution of the Rushikulya Basin"

Sudhakar Gummadi
"Study of irrigation water quality with reference to Coastal Andhra Pradesh, India"

T.M.Varat
"Village and Social Transformation"

Gangadhara Rao
"Impact of manganese mining activities on surface and sub-surface water quality and management in Vizianagaram District, Andhra Pradesh"

M.H. Ranebennur
"Inhabitable Planet Earth"

Krishna Mohan Agrawal
"Moon Forms When Axis Tilts"

January 06, 2015

14.30-18.00

Lectures/ORAL PRESENTATIONS
AND
CONCURRENT POSTER PRESENTATIONS

Venue

New Lecture Complex

14.30 – 16.00

Oral Presentation Session

Dr. O. P. Varma
"Sustainability Of Mineral Resources Conundrum"

Dr. G. Parthasarathy
"Mineral Physics And Geochemistry Of Meteorites"

Dr. T. N. Jowhar
"P-T Paths From Gibbs Method And Its Applications"

Dr. M. E. A. Mondal
"Modern Trends And Challenges Of Classification And Genesis Of Granitic Rocks"

Arvind Solanki et.al.
"Effect of Environmental Factors on malaria among tribal population of Betul district (M.P.) India"

S. R. Jakhar
"Zootecus insularis (Ehrenberg, 1831), a useful tool to delineate path of palaeochannels and to determine their age in Western Rajasthan"

Arvind Kumar
"On the study of the spatial variations in agricultural productivity in Jharkhand State"

J.Bhagatv
"Growth of mining industries and environmental damages in Damodar Basin Region"

M. Devachandra Singh
"Crustal deformation studies across the frontal Eastern Himalayan Syntaxis using Global Positioning System (GPS)"



14.30 – 16.00		Concurrent Poster Session
Prof. V K Verma	<i>"On Voyage And Future Of Earth Science Education In India"</i>	
Dr. Devesh Walia	<i>"Radon And Active Tectonics In The Shillong Area"</i>	
Dr. G. D. Bairag	<i>"Behavioral Study Of Changes In Aerosol Optical Thickness (Aot) At Bhopal In Central India"</i>	
Dr. Anil M. Pophare	<i>"Groundwater Resource Dev And Management In Suketi River Basin, Himachal Himalaya, India"</i>	
G. D. Bairagi	<i>"Spectral behavior of Aerosol Optical Thickness (AOT) at Bhopal in Central India"</i>	
Pradip Kumar Bhuyan	<i>"Export efficiency of atmospheric black carbon and trace gases over North East India"</i>	
Deepali Gadkari	<i>"Multitask GIS for Urban Governance"</i>	
B. S. MANJARE	<i>"Geomorphometric analysis using GIS and Remote Sensing techniques in some part of Wardha river basin, Maharashtra, India"</i>	
R.S.Muduli	<i>"Formation of Mother Earth"</i>	

16.00 – 17.30		Two Parallel Sessions
Venue		New Lecture Complex
Oral Presentation Session		
Dr. Rimjhim Bhatnagar	<i>"Early Warning Of Desertification"</i>	
Dr. Beena Tripathi	<i>"Lithostratigraphy, Deformation History And Tectonic Framework Of Imbricate Zones In The Frontal Part Of Kashmir Nappe, Doda Area Of Kashmir"</i>	
Dr. Arun Kumar	<i>"Evaluation Of Seismic Hazard Potential Along Active Naga-Disang Thrust Belt In Ne India"</i>	
S.S. Hangaragi	<i>"Application of Remote Sensing Technology for assessment of landuse and land cover change analysis for sustainable development: A case study of Sandur Taluk of Bellary District of Karnataka"</i>	
Sanjay Verma	<i>"Earth System Science and Indian Development"</i>	
Vadde Ramesh	<i>"Identification of Various Lithologies and their Quntitative Analysis using Remote Sensing & GIS, Vaddadi Area, Visakhapatnam District, Andhra Pradesh"</i>	
Atul Aditya Pandey	<i>"Morpho-Tectonic evaluation of Kosi River basin Bihar using Remote Sensing data"</i>	



Concurrent Poster Session	
Venue	New Lecture Complex
Dr. M.M. Saxena	<i>"Mining And Canal Irrigation- Serious Threats To The Ecology Of The Rajasthan Desert"</i>
Dr.V.K. Sharma	<i>"Climate Change And Burgeon Geo-Hazards"</i>
Dr. P. K. Kathal	<i>"An Overview On The Discordant Radiochronology And Biochronology, Lower Vindhayn Supergroup (Lvs), Central India"</i>
Dr. Aresh Vikram Singh	<i>"Upgradation Of Lignite Mining Waste Into Marketable Carbonaceous Fuel By Wet Sieving Technique"</i>
R.K. Chingkhei	<i>"Estimation of evapotranspiration using Remote Sensing and GIS"</i>
Tamilelakkia.M	<i>"Role of Remote Sensing and GIS for identifying the human-elephant conflict vulnerable area, in the fragmented landscape - A case study of Krishnagiri and Dharmapuri Districts, Tamilnadu"</i>
Kamal Kant Sharma	<i>"Tectonic evolution of Barmer sedimentary basin of North-Western Indian Shield"</i>
V.S. Parihar	<i>"New report of Arumberia Banksi (ediacaran affinity) mat structures from the Girbhakar sandstone of Marwar Supergroup, Bhopalgarh area, Jodhpur, Western Rajasthan, India"</i>

16.40 Two Parallel Sessions	
Oral Presentation Session	
Venue	New Lecture Complex
Dr. R.N. Sharma	<i>"Dynamics Of Human Rights And The Environment"</i>
Dr. Arun Vyas	<i>"Fluoride Contamination In Groundwater Of Nagaur District, Rajasthan And Health Hazards: A Review"</i>
Dr. Jakhar Sukesh	<i>"Basin Analyis Of Neo- Proterozoic Sandstone Around Bidasar (Churu), Rajasthan, India"</i>
Dr. Anita Pande	<i>"Geomorphic Evolution, Land Use/Cover Status And Hazardous Geomorphic Processes In Central Lesser Himalaya"</i>
V.S. Parihar	<i>"Thalassinoides and its associated trace fossils from Girbhakar sandstone of Marwar Supergroup, Bhopalgarh area, Jodhpur, Rajasthan"</i>
Sinam Reema Chanu	<i>"Ground Penetrating Radar to estimate sediment thickness in Punem lake, Manipur"</i>
Ansuya Bhandari et.al	<i>"Miocene rodentia from Dharmsala Group in Kangra Valley, Himachal Pradesh, a step forward in the past Coeval Himalayan faunal records"</i>



B.N. Tiwari et.al

“Exotic Murid rodent parapodemus sp. from Middle Siwalik of Mohand, District Saharanpur, as Harbinger of Micropaleontological Studies in the region”

P.M.Natarajan

“Sharing the excess Indian water resources with the people of the Nation is not a sin but a boon”

16.40

Concurrent Poster Session

Venue

New Lecture Complex

Dr. R.S.Rawat

“Homogenization Experimental Studies Of Alkali Feldspars From The Northwestern Himalayan Granites, India”

Dr. Ramanathan,

“Introducing Microbiology In The Indian Earth System Science Curriculum: A Game Changing Decision”

Dr. Sushmitha Baskar

“Speleothems From Krem Mawsmaj, Meghalaya, India: Some Biogenic Evidence”

Dr. Atul Kumar Varma

“Hydrocarbon Generation Potential Of Selected Borehole Coal And Shale Samples From Jharia Basin, Jharkhand”

Divya Prakash

“Regional metamorphism and zonal division of Darjeeling-Mangpu Region, Eastern Himalaya, West Bengal”

Ganapathi Rao .P, Reddy

“GRADISTAT: A grain size distribution and statistics package for the analysis of unconsolidated sediments of Nagavali River Estuary, East Coast of India, Andhra Pradesh”

T. Bharathi Mohan

“Water transfer by tangential line method”

Ashok Kumar Sinha

“Water resources: Adversity and solutions”

January 07, 2015

14.30-18.00

**Lectures/ORAL PRESENTATIONS
AND
CONCURRENT POSTER PRESENTATIONS**

Venue

New Lecture Complex

14.30 – 16.00

Oral Presentation Session

Anup Kumar, et.al

“Groundwater quality assessment in Loharu Block, Bhiwani district, haryana using GIS”

Deepak J. Pandya

“An investigation into water quality assessment and some activity based project work with reference to ecological significance”

Patil S.P. et.al

“Analysis of morphometry of Amravati River, Maharashtra, India”



Edmund K. Mawkhiew

“Vertical Electrical Sounding technique to delineate aquifer zones in the hard rock terrain around Jowai Town, West Jaintia Hills District, Meghalaya”

Sunanda. I. Kittali

“Assessment of wetland resources for sustainable development of Belgaum District of Karnataka: Using multispectral satellite data”

Padmini Pani

“Quantitative and spatial assessment of fluvial erosion in relation to morphometric properties: A case study of Parvati River Basin”



102nd Indian Science Congress
3 – 7 January 2015



SECTION		Engineering Sciences
Sectional President	:	Prof. Atul Sitaram Padalkar
Sectional Local Secretary	:	Prof. Rajiv Mishra
Sectional Recorder	:	Prof. Pankaj Srivastava

January 04, 2015		
14.30 - 17.30		
Venue	:	New Lecture Complex
Presidential Address (30 min)	:	Dr. Atul S. Padalkar Founder and Principal, Flora Institute of Technology, Off National Highway 4, Pune <i>“Engineering and Technology for Development of India”</i>
Platinum Jubilee Lecture (30 min)	:	Dr. Anand Deshpande Founder, Persistent Systems Limited, Pune <i>“How could technology be the Bramhastra for India’s Development?”</i>
Young Scientist Award Presentations	:	<ol style="list-style-type: none"> Debarghya Chakraborty, Kharagpur U. Ashok Kumar, Hyderabad. Shveta Mahajan, Chandigarh. Dhanya C. T. New Delhi.
17.20 – 17.40 SECTIONAL COMMITTEE ELECTION		

January 05, 2015		
14.30 – 17.30		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	New Lecture Complex
SYMPOSIUM		
14.30 – 16.00		
INVITED LECTURES		
Mr. Pramod Choudhari Founder, Praj Industries Limited <i>“Different Technologies for “Clean Ganga” Project”</i>		
Prof. R. K. Khandal Vice Chancellor, Uttar Pradesh Technical University, Lucknow <i>“Emerging Trends in Technical Education in India vis-à-vis Sustainability and Growth”</i>		
Dr. Mohan Khedkar Vice Chancellor, Sant Gadge Baba Amravati University <i>“Efficient Solar Power System: Need of the day”</i>		



102nd Indian Science Congress
3 – 7 January 2015



January 06, 2015		
14.30 – 17.30	SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS	
Venue	:	New Lecture Complex
SYMPOSIUM		
14.30 – 16.00	INVITED LECTURES	
<p>Dr. Chandan Chowdhury Managing Director, Dassault Systemes India <i>“Accelerating the Growth of Indian Economy by Leveraging Scientific Software and Applications”</i></p> <p>Sudarsan Dash <i>“Fulbright-Nehru Fellowship Opportunities in the U.S”</i></p> <p>Dr D. Datta Scientist-H and Head of Computational Radiation Physics Section of Health Physics Division of Bhabha Atomic Research Centre, Mumbai <i>“Development of Intelligent Computational Tools for Management of Water Quality and its sustainability”</i></p>		

January 07, 2015		
14.30 – 16.00	SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS	
Venue	:	New Lecture Complex
SYMPOSIUM		
14.30 – 16.00	INVITED LECTURES	
<p>Dr. Mohan Godse Senior Vice President, Endurance Pvt. Ltd., Pune. <i>“Opportunities and Challenges for Indian Auto Suppliers Sustainable Growth”</i></p> <p>Dr. Shraddha Ingale Professor , P.G. Dept. of Mathematics, New Arts, Comm. & Sci College, Ahmednagar (MS) India <i>“Application of Generalized(Fuzzy) Measures in Risk Analysis”</i></p>		



102nd Indian Science Congress
3 – 7 January 2015



SECTION		Environmental Sciences
Sectional President	:	Dr. Kashinath Bhattacharya
Sectional Local Secretary	:	Dr. Rakesh Kumar
Sectional Recorder	:	Smt. Maitree G. Tiwari

January 04, 2015		
14.30 - 18.00		
Venue	:	New Lecture Complex
Presidential Address (30 min)	:	Dr. Kashinath Bhattacharya Professor & Former Head, Department of Botany, Visva-Bharati University, Santiniketan West Bengal <i>“Atmospheric Biopollution with Reference to Pollen Allergy and Human Health”</i>
Platinum Jubilee Lecture (30 min)	:	Dr. P. P. Dhyani Director, GBPIHED, Kosi-Katarmal, Almora, Uttarakhand <i>“Climate Change Impacts on Himalayan Biodiversity: Conservation and Development Implications”</i>
Young Scientist Award Presentations	:	1) Nivedita Chaudhary , Varanasi 2) N.R. Das , New Delhi 3) Debanjana Sengupta , Kolkata
17.20 – 17.40 SECTIONAL COMMITTEE ELECTION		

January 05, 2015		
14.30 – 17.30		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	New Lecture Complex
SYMPOSIUM: Assessment and Mitigation of Environmental Pollution for Better Livelihood		
14.30 – 16.00		
INVITED LECTURES		
<p>Prof. S. T. Tilak Emeritus Professor, Former Dean & Head, Marathwada University, Aurangabad <i>“Relevance of Aeromycology to Biodeterioration and Crop Diseases”</i></p> <p>Dr. Santosh Kumar Tiwari GE Healthcare, GE BE Pvt. Ltd. No. 60, Export Promotion Industrial Park, Whitefield, Bangalore <i>“Nanotechnology and its impact on environment”</i></p> <p>Dr. Bagyanarayana Gaddam Department of Botany, Osmania University Hyderabad, Andhra Pradesh <i>“Mitigation of Environmental Pollution-Simple Solutions For Better Living”</i></p>		



16.00 – 17.45			Poster/Oral Session –I
Venue	:	New Lecture Complex	
<p>Dr. S. B. Jogdand, Associate Scientist, Department of Botany, Yashwantrao Mohite College, Bharati Vidyapeeth, Pune “Eco-friendly Environmental Dynamics of House Dust Mites and their Role in Manifestation of Allergy”</p> <p>Dr. K.S.Ramchander Rao Prof. & Head, Dept. Of Biotechnology, Hyderabad “Nanotechnology, Environment and Pollution: An Objective Approach”</p> <p>Dr. Paromita Chakraborty SRM Research Institute, SRM University, Kattankulathur, Tamil Nadu “Atmospheric Emission of Polychlorinated Biphenyls in India: Implications for Health Risk Assessment”</p> <p>Dr. G.Panduranga Murthy Mandavya First Grade College, (Affiliated to University of Mysore), M.C.Road, Mandy “Providing safe (fluoride free) and sufficient drinking water to economic growth - A Pilot stud”</p> <p>Dr. Anil K Dwivedi Department of Botany, Deen Dayal Upadhyay Gorakhpur University, Gorakhpur , U.P. “Risk Over Water Resource”</p> <p>Dr. Allam Vijaya Bhasker Reddy Dept of Botany, University College of Science, Saifabad, Hyderabad, Telangana state “Airborne Allergy: Solutions From The Aerobiolog”</p>			
16.00 – 17.45			Concurrent Poster/Oral Session –I
SYMPOSIUM: Assessment and Mitigation of Environmental Pollution for Better Livelihood			
Venue	:	New Lecture Complex	
<p>Dr. Anil K. Raina Department of Environmental Sciences, University of Jammu, Jammu “Phytodiversity – distributional pattern and priorities for conservation in Chenab Valley, Jammu and Kashmir”</p> <p>Dr. R. N. Yadava Department of Chemistry, Dr. H. S. Gour Central University, Sagar M.P. “Study of Diuretic Active Plants”</p> <p>Dr. Prasanjit Mukherjee Plant Taxonomy and Ecology Research Lab, Dept of Botany, KKM College, Pakur “Studies on Status of Aquatic and Semi Aquatic Angiospermic Biodiversity of Jharkhand (India) and their Conservation”</p> <p>Dr. B. P. Mishra Department of Environmental Science, Mizoram University, Aizawl Mizoram “Integrated research on impact of sandstone quarry on plant diversity, soil fertility and river water quality in Mizoram, North East India”</p> <p>Dr. Chowdhury Habibur Rahaman Department of Botany, Visva-Bharati, Santiniketan “Ethnobotany as a research tool for conservation and management of plant resources : The Quantitative approaches”</p>			



Dr. Asis Kumar Nandi

Department of Botany & Forestry, Vidyasagar University, Midnapore West Bengal

“Aphrodisiac herbs Chlorophytum spp. - their occurrence, diversity and conservation in the state of West Bengal”

14.30 – 17.30

Poster/Oral Session

Venue

New Lecture Complex

P.P. Dhyani & R.S. Rawal

G.B. Pant Institute of Himalayan Environment and Development, Almora

“Strengthening Trans-boundary Cooperation for Biodiversity Conservation and Sustainable Development in the Himalayan Region”

Arup Kumar Mitra, Ayan Chandra, Adrika Raybarman, Kazi Atikur Rahman, Russel Miranda Vincent, Sayantani Chatterjee & Upasana Sen

St. Xavier’s College, Kolkata

“Isolation and Characterisation of Lignin-Degrading Fungus from Coir”

Anamica Das, Debosmita Kundu, Devleena Bandopadhyay, Gopinath Chattopadhyay, Prasun Roy Raju Mandal & Pinky Banerjee

St. Xavier’s College, Kolkata

“Isolation and characterization of dye degrading bacteria from Kasba, Kolkata”

Asha Gupta

Manipur University, Imphal

“Sacred Groves of Manipur, In-Situ Centres of Biodiversity Conservation”

Ravindra K. Joshi and Ranbeer S. Rawal

G.B. Pant Institute of Himalayan Environment and Development, Almora

“Development of Pollination Management Plan in mustard agro-ecosystem of West Himalaya”

14.30 – 17.30

Concurrent Poster/Oral Session

Venue

New Lecture Complex

Tanmoy Basak & Kashinath Bhattacharya,

Visva-Bharati, Santiniketan.

“Identification of IgE reactive proteins from pollen of Spathodea campanulata -an avenue tree of West Bengal”

Fauzia Siddiqui, P.K. Tandon & S. Srivastava

Department of Botany, University of Lucknow, Lucknow, Institute of Environment & Sustainable Development, Banaras Hindu University, Varanasi

“Arsenic impacts the oxidative status and antioxidant responses in Ocimum tenuiflorum L”

Kaushiki Goswami, Gargi Dinda, Atanu Mitra & Dipankar Halder,

Jadavpur University, Kolkata, Sree Chaitanya College, Habra

“Vitamin C (L-Ascorbic Acid) Mediated Copper Nanoparticle Synthesis and Assessment of Its Antibacterial Activity”

R. Nath

U.G.C.- D.A.E. Consortium for Scientific Research, Indore

“Electrets In Air Pollution Control and Measurement”

Debarati Dey & Swati Gupta Bhattacharya, Bose Institute, Kolkata

“Aeromycological monitoring in Kolkata with the study of the allergenic significance of Curvularia pallescens”



January 06, 2015		
14.30 – 17.30		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	New Lecture Complex
SYMPOSIUM: Assessment and Mitigation of Environmental Pollution for Better Livelihood		
14.30 – 15.30		
INVITED LECTURES		
<p>Prof. Sunirmal Chanda Former Chairman, Dept. of Botany, Bose Inst., Kolkata <i>“Global Warming and Climate Change - Myth or Reality ”</i></p> <p>Dr. Soli Arceivala Ex-Director, NEERI, Mumbai <i>“Why Green Technologies are Good for India’s Economy and Environmen”</i></p>		
13.30 – 17.45		
Invited Speaker		
Venue	:	New Lecture Complex
<p>Dr. Narayan Chandra Mandal Department of Botany, Visva-Bharati, Santiniketan, West Bengal <i>“Mechanism of Degradation of a herbicide 2,4-dichlorophenoxyacetic acid by a strain of Pseudomonas putid”</i></p> <p>Dr. Arup Kumar Mitra P.G.Department of Microbiology, St.Xavier’s College, Kolkata <i>“Dynamism of Airborne Aspergillus spp”</i></p> <p>Dr. Bihari Singh P. G. Department of Environmental Sciences, A. N. College, Patna, Bihar, India <i>“Use of Constructed Wetland Based System for Waste Water Treatment”</i></p> <p>Dr. Sanjoy Misra Department of Chemistry, Ranchi University, Ranchi, Jharkhand <i>“Contamination of Sugar by the Corrosion of Metallic Container”</i></p> <p>Dr. Raj Ranjan Jha Department of Chemistry, Ranchi University Ranchi <i>“Comparative study of the natural and synthesized material for defluoridation”</i></p> <p>Dr. A.K. Pandey, Department of Biological Sciences R. D. University, Jabalpur <i>“Municipal Solid Waste Leachate Management in Jabalpur City”</i></p>		
Oral Session		
Venue	:	New Lecture Complex
<p>Subarna Bhattacharyya, Debleena Mukherjee, Paushali Sarkar, Sreya Ghosh Jadavpur University, Kolkata, Rabindra Bharati University, Kolkata <i>“Studies on airborne indoor fungi at a heritage building in Kolkata, West Bengal, India”</i></p>		



Sanjeev Kumar Tiwari and Jayanta Kumar Saha

University of Burdwan, Burdwan

“Judicial Activism and Protection of Environment in India: A Critical Analysis”

Kushan Chowdhury, Neeraja Marathe, Parijat Das, Prateeka Borar, Sowptika Pal , Arup Kumar Mitra & Sudeshna Shyam Chowdhury

St.Xavier’s College, Kolkata

“Isolation of a novel microbe capable of degrading azodye”

Mahua Das

The Bhawanipur Education Society College, Kolkata.

“Bio-chemical degradation in marine ecosystem by trawl netting in West Bengal offshore”

Md. Nazrul Islam,

Kolhan University, Chaibasa.

“Fuel Cells:Ecofriendly an Alternative source of energy”

14.30 – 15.30

Concurrent Poster/Oral Session –I

SYMPOSIUM: Documentation, Utilization and Conservation of Biodiversity for Inclusive Development

Venue	:	New Lecture Complex
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Dr. M.G. Tiwari

Department of Botany, Deoghar College, Deoghar, S.K.University, Jharkhand

“Ecological studies of Bakhira lake at Sant Kabir Nagar (U.P.), India”

Oral Session

Venue	:	New Lecture Complex
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Dr. Punarbasu Chaudhuri

Dept. of Environmental Science, University of Calcutta, Kolkata

“Diversity and Conservation of Mangroves: Initiatives from Indian Sundarban”

Dr. J.L. Tarar

Dept. of Environmental Science, Institute of Science, Nagpur

“Studies on Algal Flora of Some Potable and Non-potable Water Bodies in &around Nagpur City, Maharashtra”

Dr. Subrata Mondal

Department of Botany, Visva-Bharati, Santiniketan

“Pollination Biology and Conservation of Bio-resources”

Dr. Ratul Datta

Department of Information and Cultural Affairs, Government of West Bengal, Kolkata

“Human Development Study and Environment with Role of Media In Today’s World in Last Decad”

Dr. Nimai Chandra Barui

Department of Botany, Bethune College, Kolkata

“Diversity of mangrove plants in relation to palaeoenvironment during Quaternary Period in Bengal Basin”

Dr. Srinivas Ankanagari

Dept of Genetics, Osmania University, Hyderabad, Telangana State

“Light Signal Transduction Cascade in Higher Plants - A Complex Coordinated Multiple Pathways, Networks and Integrated Circuits Orchestrate Photomorphogenic Response”



January 07, 2015

14.30 – 16.00

**SYMPOSIUM & INVITED LECTURES,
ORAL PRESENTATIONS AND
CONCURRENT POSTER PRESENTATIONS**

Venue

: New Lecture Complex

**SYMPOSIUM: Assessment and Mitigation of Environmental Pollution for
Better Livelihood**

14.30 – 15.00

INVITED LECTURES

Dr. M.C. Mahata

Retd. Prof. of Zoology, Ranchi University, Ranchi, Jharkhand

“Some Environmental Issues of dwindling Food Security in the State of Jharkhand, India”

Dr. Santanu Mukherjee

Forschungszentrum Jülich, Institut für Bio- und Geowissenschaften IBG-3 Agrosphäre, 52428 Jülich, German

“Biomixtures for Prevention of Point Source Pollution of Pesticide”

Dr. Abhishek Kumar Awasthi, Maitree G. Tiwari & A.K. Pandey,

Department of Biological Sciences R. D. University, Jabalpur, India

“Sustainable Approach for Management of Municipal Solid Waste Leachate”

Dr. Suguna Madala

Department of Chemistry, Sri Venkateswara University, Tirupati, A.P.

“Removal of Manganese (II) from aqueous solutions by using novel composite chitosan biosorbent”

Dr. Kamal Kishor Singh & Bihari Singh

Associate Professor, PG. Dept of Chemistry, Dept of Environmental Science A.N. College, Patna

“Study of Some Fluorosis Affected Adult, Child Dental Caries and Their Bmi Value in Nawada Districts Of Bihar”

Dr. Swati Gupta Bhattacharya

Department of Plant Biology, Bose Institute, Kolkata

“Present Status of Pollen Allergy in India”

Oral Presentation Session

Venue

New Lecture Complex

S.K.Dash, B.B.Kar, A.K.Rathe and P.S.Mukherjee

KIIT University, Bhubaneswar, CSIR-IMMT, Bhubaneswar.

“Preparation, characterization and strength evaluation of pelletized lightweight fly ash aggregate”

Arti Joshi and Subrat Sharma

G.B. Pant Institute of Himalayan Environment & Development, Almora

“Multi-sensor satellite observations can predict influence of climate change on Himalayan plants”

Biswajyoti Bikomiya Deori, Panna Deb and Hilloljyoti Singha, Assam University, Schar

“Traditional management of Pan Jhum by the Khasi tribe in Barak Valley, Assam”

Usha Bajpai

University of Lucknow, Lucknow

“Using Renewable Energy For Clean Environment and Better Livelihood”



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Sunita Kumari, Priyanka Singh, Pratima Tiwary & Kumar Kaushalendra

V K S University, Ara Maharaja College, Ara, S P Jain College, Sasaram, Shershah College, Sasaram,

“Increasing use of metals like Arsenic, Mercury and Lead is warning for health and environment”

Ravindra K. Joshi and Ranbeer S. Rawal

G.B. Pant Institute of Himalayan Environment and Development, Almora

“Development of Pollination Management Plan in mustard agro-ecosystem of West Himalaya”



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SECTION		Information and communication science and technology (Including Computer Science)
Sectional President	:	Prof . Aparajita Ojha
Sectional Local Secretary	:	Prof . Prachi Gharpure
Sectional Recorder	:	Dr. Arun D. Gangrade

January 04, 2015			
14.30 - 17.00			
Venue		New Lecture Complex	
Presidential Address (30 min)	:	Aparajita Ojha PDPM IIITDM, Jabalpur <i>“The Era of Extreme Multimedia Applications and Secure Communication: Emerging Field of Visual Cryptography”</i>	
Invited Lecture	:	H. P. Dikshit , Honorary Chairman, EPCO Institute of Environmental Studies, MP Govt. Bhopal <i>“ICT Enabled Interventions for Human Resource Development”</i>	
Young Scientist Award Presentations (each 10 min presentation + 5 min Q and A)	:	Parallel Session 1	Parallel Session 2
		Venue:	Venue:
	:	Karmeshu School of Computer and Systems Sciences (SC&SS) JNU, New Delhi <i>“Statistical Characterization of Spiking Patterns in Neuronal Dynamics: Emergence of Power law behaviour and Bimodality”</i>	Prabhat Ranjan Executive Director, TIFAC, New Delhi <i>“Application of Network Embedded System to National and Societal Areas”</i>
17.20 – 17.40 SECTIONAL COMMITTEE ELECTION			



January 05, 2015		
Platinum Jubilee Lecture (30 min)	:	Manindra Agrawal IIT Kanpur <i>"The P <> NP Hypothesis"</i>
14.30 – 17.30		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	New Lecture Complex
15:15 – 16.45		
SYMPOSIUM: Trends in Computer Vision		
14.30 – 15.00		
INVITED LECTURES		
<p>P. K. Biswas Head, Computer & Informatics Centre, IIT Kharagpur <i>"Creation and Processing of 3-D Images"</i></p> <p>Pritee Khanna, PDPM IIITDM Jabalpur <i>"Advances in Medical Imaging and Image Analysis"</i></p> <p>N. S. Chaudhary Director, VNIT Nagpur & Professor, IIT Indore <i>"Information Technology and Computer Science and Engineering: Mega-Trends"</i></p>		
16.45 – 17.45		
Oral Presentation Session		
Venue	:	New Lecture Complex
<p>S. K. Jayanthi, M. Nithya <i>"Automatic Car License Plate Detection System Using Diagonal Edge Segmentation"</i></p> <p>Aadesh M Bagmar, M.A.Zaveri <i>"Real-Time Facial Expression Recognition using Eigen Faces"</i></p> <p>Manish T. Wanjari, Mahendra P. Dhore <i>"Implementing Document Image Segmentation Using Region Based Methods"</i></p> <p>Dr. G. M. Nasira, Mrs. P. Banumathi <i>"Design of Levenberg-Marquardt based Artificial Neural Network Identifier for Fabric Image Defect"</i></p>		
Concurrent Invited Lectures/Oral Presentations		
Venue	:	New Lecture Complex
14.30 – 15.00		
Oral Presentations		
<p>Swapna Banerjee, Arun Kumar Chakraborty <i>"Preservation and Conservation - the Science in Library and Information Science"</i></p> <p>Ranjit Kumar Das, Rasmita Mohanty <i>"E-book, need of the hour in Academic Library: Analytical study"</i></p> <p>Arun Kumar Chakraborty, Ranjan Kumar Maji, Shyamal Kumar Roy Choudhury <i>"An Ontology Based Cloud Computing Framework for efficient sharing of e-resources between consortia members"</i></p>		



Rajneesh, M.S. Rana <i>"Citation Analysis of Computer Science Literature"</i>		
16.45 – 17.45 Oral Presentation Session		
Venue	:	New Lecture Complex
Vrushali V.Gaike, Nazneen Akhtar, Savita A.Lothe, P.D.Deshmukh <i>"Breast Cancer Diagnosis: Analyzing Image Mining Techniques on Mammogram"</i> Lothe Savita, A.Gaike Vrushali, V.Deshmukh Prapti D <i>"Visual Enhancement of Mammogram Image using Discrete Fourier Transform"</i> S. Sridevi M. Sundaresan <i>"Challenges in Plaque Layer Analysis with Intravascular Ultrasound Images Based on Shape Parameter Measurements"</i> Dr. M. Sundaresan Boopathy. D <i>"Digital Watermark Security Model for Data Storage In Public Cloud Model"</i>		

January 06, 2015		
14.30 – 16.00		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	New Lecture Complex
SYMPOSIUM: Graph and Geometric Algorithms and Their Applications		
14.30 – 15.30		
INVITED LECTURES		
Subir K. Ghosh, School of Technology and Computer Science, TIFR, Bombay <i>"Computing a Maximum Clique in Visibility Graphs"</i> Vasudeva Varma IIIT Hyderabad <i>"Automatic Summarization of Textual Documents"</i> Saket Saurabh Institute of Mathematical Sciences, Taramani, Chennai <i>"Coping with NP-hardness with Parameters"</i> Nitya Karmakar Macquarie City Campus(MQC), Faculty of Business and Economics, Macquarie University, Sydney - Australia <i>"Technology, Knowledge and Innovation: Keys for Human and Economic Developments"</i>		
15.30 – 17.45 Invited Lectures/Oral Presentation Session		
Venue	:	New Lecture Complex
K.Swapna, M.S. Prasad Babu, B. Jogeswara Rao <i>"Clustering of ILPD Dataset with K-Means, Hierarchical and DBSCAN Algorithms"</i> Shailaja Rego, Naresh Kumar, <i>"Study of Impact on growth of rural Telecom in India based on consumer spending pattern and implemented Government policies"</i>		



- G.T.Prabavathi ,V. Thiagarasu**
“Detecting Overlapping Communities in Complex Networks Using Multi-Label Propagation”
- V. R. Dhawale, J. A. Tidke, S. V. Dudul**
“Development of Efficient Algorithm for Classification of Pollen Grain Using Computational Intelligence Approach”
- S. Kanchana, Antony Selvadoss Thanamani**
“An Enhanced Approach on Multiple Imputation of Missing Values Using Supervised Learning Technique”
- Mayank Aggarwal, Nishant Kumar**
“Scheduling Algorithms affecting QoS of Cloud Environment”
- Anjali M Burande**
“Soft Computing Diagnostic System for Osteoporosis in Indian Women”

Concurrent Invited Lectures/Oral Presentations

Venue		New Lecture Complex
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14.30 – 15.30

Session: ISCA- IEEE Session

- Aiyappan Pillai**
IEEE Bombay Section, Member ISOC & Owner/ICT Consultant at Congruent Services
“An Overview of IEEE Global and IEEE Bombay Section”

- B. Satyanarayana**
Technical Activity Chair, IEEE Bombay Section & TIFR, Bombay
“Relevance of IEEE standards in accelerating the technology deployments”

- S.N. Islam**
Division of Computer Applications, IASRI, New Delhi
“Management of Seed Spices through Expert System: An ICT initiative in Agriculture”

15.30 – 17.45 **Oral Presentation Session**

Venue		New Lecture Complex
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- Rahul Khokale Mamesh Mathankar**
“Intelligent Natural Language Interface for Web-based Information Retrieval”
- Deepak L. Waikar**
“SMART Education Model for Human Capital Development of Smart Cities”
- A. K. Walunj, Madhuri Salunke, A. D. Shaligram**
“Reliability and In- time Delivery Transmission of Light Illumination Data with Wireless Sensor Network”
- M. Thiyagarajan, Chaitanya Raveendra, V. Thiagarasu**
“Use of Logic Programming and XML Documents in Web Service”
- Poonam Prasad, Smita Parse**
“A recent Trend in Open Source Software’s Technologies”
- Poonam M. Rokade, R. R. Manza**
“Population based Assessment of Prevalence of Diabetic Retinopathy: Indian Scenario”
- Sumesh Sood, Arvind Kalia, Hardeep Singh**
“A Metric Framework for Reengineering Process with a Case Study”
- G. Padmavathi, L.S. Sindhuja**
“Artificial Immune System and its applications to Computer Security - An Overview”



January 07, 2015		
14.30-15.15		
INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	New Lecture Complex
14.30 – 14.30		
INVITED LECTURES		
P. N. Singh Principal, GIST (Engg. College), Rayagada, Odisha <i>“Metamorphosis Images – Better Application of Genetic Algorithms”</i>		
14.30 – 15.15 Oral Presentation Session		
Venue	:	
G. Padmavathi, J. Saranya <i>“A Survey on Various Intrusion Detection Systems and Security Approaches in Cloud Computing”</i> Gyan Singh Yadav, Aparajita Ojha <i>“A Fast and Lossless Data Hiding Scheme Using Gray Scale Images”</i> Rajkumar Yadav, Sucheta Yadav <i>“A Robust Approach for Digital Watermarking in Frequency Domain”</i> S.K. Jayanthi, K. Sridevi, J.P. VishnuPriya <i>“Medical Image Watermarking in Dual Domains Using LSB and Additive Techniques”</i>		
Concurrent Invited Lectures/Oral Presentations		
Venue	:	New Lecture Complex
14.30 – 14.30		
Invited Lecture		
K. K. Saini Director-General, CCLS Group of Institutes, Rohtak, Haryana <i>“Algorithm for latest Multi-Applications on Wireless Sensor Network Information Comm. Industry Based Systems”</i>		
14.30 – 15.15 Oral Presentation Session		
Shivani Yadav <i>“A New Image Steganography Technique for Hiding Data Using Logical and Operation”</i> S. Revathi, A. Malathi <i>“An Effective Analysis for Intrusion Detection Based On Neuro Fuzzy Inference System Using Real Time Network Data”</i> Yuvaraj K. S., Prasanavenkatesan R. <i>“Social Applications and Security Issues In Cognitive Radio Network”</i> Nidhi Sandal, AvinashKumar <i>“Visualisation of Patent Datasets for Technology Mappin”</i>		



102nd Indian Science Congress
3 – 7 January 2015



SECTION		Materials Science
Sectional President	:	Dr. Arvind Kumar Saxena, Outstanding Scientist & Director, Defence Materials & Stores Research & Development Establishment, Defence R & D Organisation, Govt. of India, Ministry of Defence, Kanpur
Sectional Local Secretary	:	Prof. D. C. Kothari Professor of Physics and I/C Director , Dept. of Nanosciences and Nanotechnology, University of Mumbai, Mumbai
Sectional Recorder	:	Dr. Ashish Kumar Assistant Professor , Department of Chemistry, Agra College, U.P

January 04, 2015		
14.30:00 – 17:20		
Presidential Address (30 min)	:	Dr Arvind Kumar Saxena, Director , DMSRDE, Kanpur <i>“Multi-Functional Materials for Sustainable Development”</i>
Platinum Jubilee Lecture (30 min)	:	Dr A.K. Tyagi Chemistry Division, Bhabha Atomic Research Centre Mumbai - 400 085, India <i>“Design of New Functional Materials: Chemical and Crystallographic Insights”</i>
Special lecture on the subject of Regional Importance (20 min)	:	Prof. Antonio Miotello- Foreign Speaker Dipartimento di Fisica, Università degli Studi di Trento, I-38123 Povo (Trento), Italy <i>“New photocatalytic coatings assembled with nanoparticles, core-shell and urchin nanoparticles to purify water”</i>
17.20 – 17.40 SECTIONAL COMMITTEE ELECTION		



January 05, 2015

14.30 – 17.30

SYMPOSIUM & INVITED LECTURES,
ORAL PRESENTATIONS AND
CONCURRENT POSTER PRESENTATIONS

Venue

:

National Center for Nanosciences and Nanotechnology

14.30 – 15.30

SYMPOSIUM

15.45 – 16.00

INVITED LECTURES

S. Manocha

University School of Basic & Applied Sciences, G.G.S. Indraprastha University, New Delhi 110075

“Development of Mesoporous nanoparticles Inorganic Materials for sorption of toxic ions”

Bhuvanesh Gupta

Bioengineering Laboratory, Department of Textile Technology Indian Institute of Technology, New Delhi

“Innovative World of Bioengineering & Human Healthcare”

Arvind Dixit

Department of Chemistry, V.S.S.D. College, Kanpur

“Studies on the Structural Properties of Multifunctional Polyphosphazene Elastomers”

14.30 – 17.00

Concurrent Poster Session – I
(P-001 to P-30)

Venue

:

National Center for Nanosciences and Nanotechnology

A.Rubia Juliet and S.Amsamani

Department of Textiles and Clothing, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu, India

“A Comparative Study on Analyzing the Anti-Bacterial Efficiency of Leaf, Stem and Root Extracts of Pisoniagrandsis – A Pre-Study for Wound Healing Bandages”

Datta Kakde, Vinod Barote, C. M. Kale, and Ashok Pandit

Yeshwantrao Chavan College, Sillod, Dist- Aurangabad, (M.S.) India- 431112

Santnyaneshwar College, Soygaon, Dist- Aurangabad (M.S.) India- 431120

Indraraj College, Sillod

“A study of Effect of V2O5 on Structural and Electrical Properties on System

Ni_{0.3}Cu_{0.2}Zn_{0.5}Fe₂O₄xV₂O₅”

Dr. Shad Husain

Assistant Professor Department of physics Shia P.G. College Lucknow

“An Application of Coupled Clusters Expansion to generate the complete ground state due to n-n interaction”

Vasudeo Kulkarni, Sampat Suryawanshi

Department of Physics Hutatma Rajguru Mahavidyalaya, Rajgurunagar Pune (MS) India 410505

Department of Chemistry Hutatma Rajguru Mahavidyalaya, Rajgurunagar Pune (MS) India

“Biosynthesis of Copper Nanoparticles”



Neelam Pundhir and Jaiswar Gautam

Department of Chemistry, Dr. B.R. Ambedkar University, Agra - 282002, India.

“Comparative effect of BaCO₃ Nanoparticles on Thermal stability of Poly (vinylidene fluoride) polymer”

Vineeta Nigam Sandeep Kumar and Mritunjay Kumar Pandey

Defence Materials and Stores Research and Development and Establishment, G T Road, Kanpur-13, India

“Compatibilising effect of polyphosphazene on high performance nanocomposites of PEEK/PEI/functionalised carbon nanotubes”

Abhijit A Nalawade

Samundra Institute of Maritime Studies, Lonavala-410405

“Corrosion Behaviour of Stainless Steel Grade-316L Cargo Tanks in Various Concentration of Sulphuric Acid”

Abhai Kumar, Sanjoy Kanojia, Debmalya Roy and Kingsuk Mukhopadhyay

Nanoscience and Technology Division, Defence Materials and Stores R & D Establishment (DRDO), GT Road, Kanpur

“Design and modification of arc discharge system for continuous encapsulation of fullerene into nanotube”

D. Kumar, Vandana Rajput, R.P. Singh

Centre of Research for Chemical Sciences, Post Graduate Department of Chemistry,

Post Graduate Department of Physics SMS Govt. Model Science College, Jiwaji University, Gwalior

“Designing of biological active novel material: s-benzyl β-n (o-nitrophenyl methyl) methylenedithiocarbamate”

Rohit K. Mahdule, Kakde A, Wakde G, Shingade B & Sarkar N

Institute of Science, Nagpur-440001(MS), India

Dr. Ambedkar College, Nagpur-440010(MS), India

NKS Model College, Karanja, Wardha-442203 (MS), India

BMV Amgaon, Gondia-441902, (MS), India

“Effect of simultaneous substitution of Ca-Ba-La in Sr-M Hexagonal ferrites on Thermoelectric and Dielectric parameters”

L. Ammayappan, M. Bhowmick, S. Debnath, D.P. Ray, R.K. Ghosh, S.D. Gupta, S. Chakraborty, D. Mondal, S. Islam and P.K. Ganguly

ICAR-National Institute of Research on Jute and Allied Fibre Technology

Regent Park, Kolkata-2 ICAR-Central Institute for Research on Cotton Technology Adenwala road,

Matunga(East), Mumbai National Institute of Research on Jute and Allied Fibre Technology, 12 Regent Park, Kolkata

“Effect of sodium hydroxide treatment and weave structure on mechanical properties of jute: unsaturated polyester based polymeric composites”

J.S. Ashwajeet, T. Sanakarappa, R. Ramanna, T. Sujatha, G.B. Devidas, M. Prashant Kumar, N. Nagaraja and B. Vijaya Kumar

Department of Physics, Gulbarga University, Gulbarga, Karnataka 585106, India.

Department of Physics, Government First Grade College, Aurad, Bidar (Dt), Karnataka, India.

Department of Physics, Proudha Devaraya Institute of Technology, Hospet, Karnataka, India

Department of Physics, RYM Engineering College, Ballary, Karnataka, India

“Electrical Conduction in Borophosphate glasses doped with transition and alkali ions”

Gauri Shankar, Naresh Kumar and Manish Kumar

University Deptt. of Physics, L.N. Mithila University, Darbhanga

Lecturer in Physics, Govt. Resi. OBC+2 Girls H/S, Darbhanga

“Electromagnetic interaction between a carbon nanotube and plasmonic nano particle”



Bhuvan Bhasker Srivastava

Department of Physics, Shia P.G. College (An associated college of University of Lucknow), Lucknow, U.P., India
“Electron Paramagnetic Resonance and Optical Absorption study of VO₂⁺ doped in Cadmium Ammonium Sulphate Hexahydrate”

Rajivekumar, Anita Rani, Ram Mehar Singh

Department of Physics, HCTM Technical Campus, Kaithal (Haryana) India
Department of Physics, University College Kurukshetra,
Kurukshetra University Kurukshetra (Haryana) India
Department of Physics, Ch. Devi Lal University, Sirsa (Haryana) India

“Elemental Analysis of Five Rupee and One Pound Coin with EDXRF Technique”

Shashank Sripad, S .Jayanth Kumar, and Anjana Jain

Principal Scientist Materials Science Division National Aerospace Laboratories Bangalore

“Development and Characterization of polyvinylidene fluoride-polyaniline films for improved dielectric properties”

S. G. Badhe and S. N. Helambe

P.G. and Research center, Dept. of Electronics, Deogiri College, Aurangabad, India

“Estimation of some electrical parameters of food Preservative Potassium Meta-Bisulphate using TDR technique”

Resmi.G and Dr.S.Amsamani

Department of Textiles and Clothing, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu, India.

“Evaluation of the synergistic effect of chitosan and Siam weed extracts treated spun lace viscose non-woven fabric for antimicrobial activity”

Durga Prasad Gogoi

Associate professor and H.O.D. Department of Physics, Namrup College, Assam

“Fabrication of ZnO and Mn: ZnO nanostructures and their possible application in design of Biological marker”

Srinath B S and Ravishankar Rai V

“Gold salt concentration dependent extracellular nanoparticles synthesis using Enterobacter aerogenes and Klebsiella pneumonia”

Digonta Pd Gogoi, Lipika Gogoi, Sabita Jha and Sumbit Chaliha

Dept. of Physics, Bahona College, Jorhat-785101, India

“Growth of nanocrystalline CdSe thin films by CBD method”

Sumbit Chaliha

Dept. of Physics, Bahona College, Jorhat-785101, India

“Influence of substrate temperature on optical properties of thermally evaporated ZnSe thin films”

Sheo K. Mishra, Indra bahadur, Akhilesh Tripathi, K.C. Dubey and R. K. Shukla

Department of Physics, University of Lucknow, Lucknow-226007, India

Shia P.G. College, Lucknow-226007, India

“Investigation of Photoconductivity in Sm-doped ZnO Powder Prepared by Simple Heat Treatment Technique”



N.N.Waghule, D.R.Shengule, P.S.Aghav, S. J. Shukla, A.A.Pandit, P.P.Khirade, K.M.Jadhav

Department of Physics, Bhagwan Mahavidyalay, Ashti, Beed, (MS) India.
Vivekanand Arts, Sardar Dalipsing Commerce & Science College, Aurangabad.
P.G. and Research Centre, Deogiri College, Aurangabad. Dist. Aurangabad.
Yashwantrao Chavan College, Sillod, Aurangabad, (MS) India.

Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
***“Investigations of structural properties of magneto-electric composites
 $x\text{CoMn}_{0.22}\text{Zn}_{0.2}\text{Fe}_{1.6} + (1-x)\text{BaTiO}_3$ ”***

Srividhya J. Iyengar, Mathew Joy, Chandan Kumar Ghosh, Swapankumar Ghosha

Advanced Clay & Traditional Ceramics Division, CSIR-Central Glass & Ceramics Research Institute, Kolkata
School of Material Science & Nanotechnology, Jadavpur University, Kolkata

“Magnetic, X-ray and Mössbauer Studies on Magnetite Nanocrystals fabricated through aqueous route”

Tanveer Hasan, Sayed Hasan Mehdi

Deptt. of Physics, Shia P.G. College, Lucknow, India
Deptt. of Chemistry, Shia P.G. College, Lucknow, India

“Molecular Structure, Vibrational Spectra of 4b, 9b-dihydroxy-7,8-dihydro-4bH-indeno[1,2-b] Benzofuran-9,10(6H,9bH)-dione, Using Density Functional Theory”

Rachana Sharma

School of Studies in Chemistry and Biochemistry, Vikram University, Ujjain (M.P.), India
“Nano structured Biopolymeric Drug Delivery System”

S. Gokul Raj, G. Ramesh Kumar

Department of Physics VelTech University, Avadi, Chennai-600062. India.
Department of Physics, University College of Engineering Arni, Anna University Chennai, Arni

“Nanocrystalline Yttrium iron garnet (Y₃Fe₅O₁₂) for High frequency Oscillator Applications”

Nishant Kumar, K.C. Dubey and Anchal Srivastava

Department of Physics, University of Lucknow, Lucknow-226007, India
Department of Physics, Shia P.G. College, Lucknow-226020, India

“Optical Properties of Mg Doped ZnO Nanocrystals”

Arvind Kumar Verma and R.K Shukla

Department of Physics, University of Luck now, Luck now, 226007, Uttar Pradesh, India
“Optical Studies of available and prepared Cadmium Sulphide powder”

16.00 – 17.30

Oral Presentation Session-I

: National Center for Nanosciences and Nanotechnology

C. Dohare, N. Mehta

Glass Science Laboratory, Department of Physics, Banaras Hindu University, Varanasi- 221005, INDIA
***“Behaviour of a.c. conduction and density of defect states (DOS) in chalcogenide glassy
 $\text{Se}_{98-x}\text{Ag}_2\text{In}_x$ ($x=0, 2, 4, 6$) system”***

A Banerjee, S Dhar, S Acharyya, D Dattac, N Nayak

Proof and Experimental Establishment, Chandipur, Balasore, Odisha.
Jadavpur University, Kolkata, West Bengal.
Indian Institute of Engineering Science and Technology, Shibpur, West Bengal

“Behaviour of typical high strength armour steel under ballistic impact conditions”

R. Kadrekar, S. Gupta, N. Patel, A. Miotello and D.C.Kothari

Department of Physics and National Centre for Nanosciences & Nanotechnology, University of Mumbai,
Vidyanagari, Santacruz (E), Mumbai 400098, India.

“Co-Ni-B as an efficient electrocatalyst film for HER in neutral solutions”



S K Ghosh, R Bhattacharyya

Department of Jute and Fibre Technology, University of Calcutta, West Bengal, India
Department of Jute and Fibre Technology, University of Calcutta, West Bengal, India

“Design and engineering of bituminized jute paving fabric for potential application in geotechnical constructions”

Abhishek Kourav, R. C. Mishra, Sanjay Chaudhary

Central Institute of Plastics Engineering and Technology, Lucknow

“Design and structural analysis of two wheeler fuel tank cover of Polycarbonate, Polyphenylene Oxide, Polyphenylene Sulfide engineering plastics materials”

M. Yadav, R. Fernandes , N. Patel , D.C. Kothari

Department of Physics, University of Mumbai, Vidyanagari , Santacruz (E), Mumbai-400098.

“Efficient removal of Organic pollutants of water by nano-sized TaON photocatalyst”

ShashankSripad, S .Jayanth Kumar, and Anjana Jain

Principal Scientist Materials Science Division National Aerospace Laboratories Bangalore

“Energy Storage & Management in Supercapacitors for application in Piezoelectric micro-generator based Energy Harvesting Systems”

Satyendra Singh

Department of Physics, University of Allahabad, Allahabad-211002, U.P., India

“Fabrication of Hierarchical Zinc Stannate Thin Film And Its Application As Liquefied Petroleum Gas Sensor”

Mritunjay Kumar Pandey,Sandeep Kumar and Vineeta Nigam

Defence Materials Stores and Research and Development Establishment, (DMSRDE) Kanpur

“Synthesis and Characterization of polyphosphazene using new catalyst combination and its derivatives”

Neeru Tiwari, Debmalya Roy, N. K. Tripathi and Kingsuk Mukhopadhyay

Nanoscience and Technology Division, Defence Materials and Stores R & D Establishment (DRDO), GT Road, Kanpur

“Fabrication of multifunctional polymeric nanocomposite membrane for efficient water purification”

January 06, 2015

14.30 – 17.30

PANEL DISCUSSION, ORAL PRESENTATIONS
AND
CONCURRENT POSTER PRESENTATIONS

Venue

:

National Center for Nanosciences and Nanotechnology

16.00 – 17.30

Oral Presentation Session-II

K. Umakantham K, Sri Rama Murty, K.S.N Murt, K. Chandhra Mouli

Lmbmrsj, ISCA (I-17803) Dept. of ECE, E S. Group of Institutions K.L.University Andhra University, Gonna Institute of IT & SC Vizianagaram. (Dist.) Guntur.(Dist.) Visakhapatnam.(Dist.)

“Futuristic ceramics - defence applications - leading to mems devices”



T.P.Yadavand and O.N. Srivastava

Hydrogen Energy Centre, Department of Physics, Banaras Hindu University, Varanasi-221005, India

“Nano-materials for hydrogen energy and claimant change”

Kalpna Jain, Shyam Kishor, Kh. S. Singh, Ida Josefsson, Michael Odelius and Lavanya M Ramaniah

Department of Physics, D. J. College, Baraut, U.P.-250611.

Department of Chemistry, J. V. College, Baraut, U.P.-250611.

Fysikum, Albanova University Center, Stockholm University, S-106 91 Stockholm, Sweden

High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai

“Quantum Dots Sensitized with Multiple Fluorescein Dyes: A First Principles Density Functional Theory Study”

Brahmananda Chakraborty and Lavanya M. Ramaniah

High Pressure & Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai

“Room Temperature Ferromagnetism in Ca doped SnO₂ – a First Principles DFT study”

Amit Saraiya, Santosh Kumar Tripathi and Kingsuk Mukhopadhyay

Nanoscience and Technology Division, Defence Materials and Stores R & D Establishment (DRDO), GT Road, Kanpur

“Selective Study of Al doped ZnO Gas Sensor”

Dibyendu S. Bag, Akansha Dixit and Anil Kumar

Defence Materials and Stores Research and Development Establishment DMSRDE P. O., G. T. Road, Kanpur

“Smart Stretchable hydrogels of Chemically and Physically Crosslinked Copolymers of Na-acrylate, Acrylamide and HEMA”

M. K. Deore

Department of Physics, Arts, Science and Commerce College, Ozar (Mig) – 422 206, India.

“Studies on Gas Sensing Performance of CuO –ZnO Heterojunction”

N. S. Pradhan, S. K. Dubey, B. K. Panigrahi and K. G. M. Nair

Department of Physics, University of Mumbai, Vidyanagari, Mumbai, India

Materials Science Division, Indira Gandhi Centre for Atomic Research, Kalpakkam, India

“Study the Optical and Magnetic (Opto-Magnetic) Properties of Manganese Implanted Gallium Nitride”

Debmalya Roy, Neeru Tiwari, Amit Saraiya and Kingsuk Mukhopadhyay

Nanoscience and Technology Division, Defence Materials and Stores R & D Establishment (DRDO), GT Road, Kanpur

“Tailors make the physical and chemical properties of 1-D nanostructured materials by selective passivation using ceramic precursor”

Archana Gupta and Megha Agrawal

Department of Applied Physics, Faculty of Engineering & Technology, M.J.P. Rohilkhand University, Bareilly, India

“Vibrational Spectroscopic Studies (FT-IR, Raman) and DFT Calculations of 4-(6-Methoxy-2-Naphthyl)-2-Butanone”

14.30 – 17.30 Concurrent Poster Session –II

Soma Mukherjee, Md Golam Masud, Dilip K Modak and B. K. Chaudhuri

Department of Physics, Guru Nanak Institute of Technology, Panihati, Sodepur, Koltak-114.30

“Polaronic hopping conduction in ionic xLi₂SO₄-2(1-x)[RLi₂O.B₂O₃] glasses”

A.P. Praharaj, D. Behera, T. K. Bastia and P.Mohanty

School of Applied Sciences (Chemistry), KIIT University, Bhubaneswar, Odisha, India

“Poly (vinylpyrrolidone) coated Multiwalled Carbon Nanotubes for the preparation of BisGMA nanocomposites: A study of mechanical and corrosive properties”



Krishna Pratap Singh, Anuradha Mishra and Arvind Kumar Saxena

Defence Materials Stores and Research and Development Establishment, (DMSRDE) Kanpur
Gautam Buddha University, Greater Noida

“Preparation and Characterization of Inorganic/Organic Hybrid Resin”

Lipika Gogoi, Sabita Jha, Jeena Das and S. Chaliha

Dept. of Physics, Bahona College, Jorhat-785101, India

“Preparation of Nanocrystalline PbSe films by CBD Technique and Its Characterization”

S.Amsamani and M.Amsaveni

Department of Textiles and Clothing,
Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu, India

“Role of Sanitary Napkins in Feminine Hygiene”

Jyotindra Kumar, Ashutosh kumar, Pappu Paswan, Chandan kumar Singh, Dr. Manish Kumar

Research Scholar, L.N.Mithila University, Darbhanga, ISCA India Research Scholar, L.N.Mithila University,
Darbhanga. Lecturer, polytechnic college chapra

M.Sc (physics).LNMU, Darbhanga OBC Residential Girls High School, Darbhanga

“Some Aspects of material based antennas for Research and Developments”

Meher Wan, Punit Dhawan

Physics Department, University of Allahabad, Allahabad -211002, India

“Sono-chemical Synthesis of Nickel Oxide Nanoparticles Based Ethylene Glycol Nanofluids and their Thermal Conduction Properties”

S.K.Tripathi

Department Of Chemistry, V.S.S.D. College, Kanpur

“Studies on Physico-Chemical Characteristics Of Blend Of Epoxidized Novolacs And Carboxyl-Terminated Polybutadiene (Ctpb)”

Sunita Bhaskar and Dharm Pal Singh

Department of Chemistry, Dr. B.R.Ambedkar University, Agra - 282002, India

“Studies of zinc oxide / polyacrylic acid core-shell nano particles”

Abrar Ahamad, K.N.Pandey, Vishal Verma, R. M. Mishra

Central Institute of Plastics Engineering and Technology, Lucknow-226008, India

“Studies on Nanocomposites based on Polyetherimide (PEI) and Silicone rubber Reinforced with montmorillonite Nanoclay (MMTs)”

Shalini Saxena, K. N. Pandey and R. M. Mishra

Central Institute of Plastics Engineering and Technology Lucknow

“Studies on Silicon Carbide Foam using Hybrid Organic- Inorganic Polymer Resin Matrix”

Alpana Kumari and M. P. Yadav

Dept. of Physics, I. N.M.University Darbhanga

“Study of Carbon Nanotube and Their Performance”

Suneet Kumar Misra, Narendra Kumar Pandey, Vandna Shakya and Akash Roy

Sensors and Materials Research Laboratory, Department of Physics, University of Lucknow, Lucknow, India

“Study of Characterization and Humidity Sensing Application of Al₂O₃ Doped ZnO Nanomaterials”

V. K. Singh, P. C. Gope, Ankita Bisht, and Sunanda Biswas

Associate Professor, Professor, P. G. Scholar, Junior Research Fellow College of Technology, G.B.P.U.A & T, Pantnagar.

“Study of mechanical and physical properties of jute fiber-almond shell particle based composite”



Subhra Gantayat, Dibya Ranjan Rout, Gyanaranjan Prusty, Sarat K Swain

School of Applied Science (Physics), KIIT University, Bhubaneswar-751024, India
Department of Chemistry, Veer Surendra Sai University of Technology, Burla, Sambalpur

“Study of Mechanical and Thermal Properties of Epoxy Composites Reinforced by Graphite Platelets”

K. Umakantham k. Sri Rama Murty dr. A. Arjuna Rao P.Narasimha Reddy

Lmbmrsi, Isca (I-17803) asst. dept. of ece professor & principal snsr vedic metallurgical, Miraclees group of institutions miracle e s group of institutions research centr gonna institute of it & sc vizianagaram. (dist.) vizianagaram. (dist.) prakasam. (dist.) visakhapatnam. (dist.)

“Study of nano copper powder and its alloys for industrial applications”

Sohini Sen, Piyali Basak

School of Bioscience and Engineering, Jadavpur University

“Synthesis and characterization of Polyurethane matrix for drug delivery applications”

M.R.Patil, P.P.Khirade, S.D.Birajdar, A.V.Humbe, P.K.Gaikwad, K.M.Jadhav

Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS)

“Synthesis of copper ferrite nanoparticles by sol-gel auto-combustion method: effect of metal nitrate to fuel ratio on structural properties”

Km. Meenu and Dibyendu S. Bag

Defence Material and Stores Research and Development Establishment DMSRDE, P.O., G. T. Road, Kanpur-208013, INDIA

“Synthesis of Functional PMPS Copolymers and Evaluation of their Optical and Photoluminescence Properties”

S.S.Mahajan H.P.Gaikwad

Department Of Physics, Jaysingpur College, Jaysingpur

“Synthesis of Single-crystal α -MnO₂ nanotubes by a hydrothermal method for Supercapacitor application”

R P Singh , Vandana Rajput , D. Kumar , A.S. Chauhan

Centre of Research for Chemical Sciences, Post Graduate Department of Chemistry,
Post Graduate Department of Physics SMS Govt. Model Science College , Jiwaji University, Gwalior

“Tailoring of some novel biological active compounds: propiophenone schiff base of s-methyl dithiocarbamate and its transition metal complexes”

S.P. Singh and Jeet Singh

Department of Physics, Govt. Degree College, Mainpuri (UP), INDIA

“Temperature Dependence of Elastic Properties of Mg₂SiO₄”

Debahuti Goswami, Kakoli Doloi and Bulumoni Kalita

Department of Physics, Dibrugarh University, Dibrugarh , Department of Physics, Dibrugarh University, Dibrugarh – 786004, Assam, India

“Theoretical studies of transition metal doped aluminium clusters for hydrogen storage”

Rita A. Gharde, Manisha G. Bhave, Madhavi S. Pradhan, Sangeeta Y. Thakare, Santosh A.

Mani, Jyoti R. Amare, Jessy P.J.

Department of Physics, University of Mumbai

“Thermal analysis of liquid crystal mixtures”

Anjali Chhonkar, Sonam Rathore and Dharmpal Singh

Department of Chemistry, Dr. B.R.Ambedkar University, Agra - 282002, India.

“Thermal Study of SnSO₄ nanoparticle on poly(vinylidene fluoride) polymer”

V. K. Singh, Mayank Agrawal and Sunanda Biswas

College of Technology, G.B.P.U.A & T, Pantnagar

“Thermo-mechanical characterization of modified epoxy resin”



P.K. Dhawan, Meher Wan

Department of Physics, University of Allahabad, Allahabad- 211002, India

“Ultrasonic and Elastic Properties of ZnO Nanowires”

Ninad G. Khare and Ashwini K. Srivastava

Department of Chemistry, University of Mumbai, Vidyanagari, Santacruz (East), Mumbai

“Green solvothermal biosynthesis of Silver nanoparticles using Ficus racemosa linn leaf extract.”

Ramna Tripathi and Akhilesh Kumar

Department of Physics, THDC-Institute of Hydropower Engineering & Technology, Tehri, Uttarakhand, India

Department of Physics, Govt. Girls P. G. College, Rajajipuram, Lucknow, U.P, India

“Characterization and optical study of ii-vi semiconductor nanoparticles”

Jyoti Prakash Singh T. H. Goswami, Anurag Srivastava and A. K. Saxena

DMSRDE, GT Road Kanpur

“Semiconducting polymeric materials and their Nano Composite for Optoelectronic Application”

Archana Singh, Satyendra Singh, R.R. Yadav and Poonam Tandon

Department of Physics, University of Lucknow, University Road, Lucknow

“Growth of zinc ferrite aligned nanorods for liquefied petroleum gas sensing”

Alok Kumar Srivastava, Kingsuk Mukhopadhyay and Ashutosh Sharma

Defence Materials and Stores R & D Establishment (DRDO), GT Road, Kanpur-208013, India

Department of Chemical Engineering, Indian Institute of Technology, Kanpur-208016, India

“Nature inspired approach to dry electrodes for long term biopotential recording”

Mehraj Ud din Sheikh, Gowhar Ahmad naikoo, Molly Thomas and Farid Khan

Nanomaterials discovery laboratory, Department of chemistry, Dr. Hari Singh Gour Central University, Sagar

“Fabrication and characterization of silver sponges using Triton X-100 as a sacrificial template and their catalytic performance against reduction of p- nitrophenol”

S.R. Bhattacharyya

Department of Physics, Suri Vidyasagar College, Suri, Birbhum-731101, W.B., India

“PLD grown Silicon suboxide thin films for Si based microelectronics”

Veena H.Joshi, N.N. Sardesai, A.R.Ingle

Faculty, Physics Department, Bhavans H. Somani college, Chowpatty, Mumbai

“Preparation, characterisation, dielectric and magnetic properties of Ba_{0.8}Fe_{0.1}Li_{0.1}TiO₃ and Ba_{0.6}Fe_{0.2}Li_{0.2}TiO₃ Perovskites”

U. V. Khadke, S. S. Kulkarni and R.G.Sonkawade

Department of Physics, Bheemanna Khandre Institute of Technology. Bhalki INDIA

Department of Physics, KLS Gogte Institute of Technology, Belgaum Karnataka INDIA

Dean of the School of Physical Sciences and Head of the Department of Applied Physics at

Babasaheb Bhimrao Ambedkar University, Lucknow INDIA

“Effect of solvents on the Acoustic parameters of ferroelectric polymer (PVDF) solutions”

Nand Lal

Department of Chemistry, V.S.S.D. College, Kanpur

“Physical and mechanical effect of loading of modified silicates fillers on bromobutyl rubber (BIIR) nanocomposites”

R. M. Belekar , P. S. Sawadh, R. K. Mahadule

Arvindbabu Deshmukh Mahavidyalaya, Bharsingi, Distt- Nagpur, Maharashtra, B. D. College of Engineering,

Sevagram, Distt- Wardha, Maharashtra, Institute of Science, Nagpur, Maharashtra

“Nano-composite Cerium-alumina: Advanced material for catalytic support”



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3 – 7 January 2015



January 07, 2013		
14.30:00 – 16:00		
Venue	:	National Center for Nanosciences and Nanotechnology
14.30 – 15.30 Oral Presentation Session-II		
J. K. Quamara and Sohan Lal Department of Physics National Institute of Technology, Kurukshetra-136119, India <i>“Spectroscopic and TSD current analysis of Ni –ion irradiated liquid crystalline polyurethane”</i>		
Virendra Kumar, Shrihari Shinde, S K Nema, H Muthurajan Armament Research and Development Establishment, Pashan Pune, National Centre for Nanoscience & Nanotechnology, University of Mumbai, Mumbai <i>“Novel Semiconducting Material for High Precision, Reliable Safe Igniters”</i>		
S. Gupta, H. Muthurajan, N. Patel, D.C. Kothari Department of Physics and National Centre for Nanosciences & Nanotechnology, University of Mumbai, Vidyanagari, Santacruz (E), Mumbai <i>“Development of advanced instrumentation for characterizing Catalytic materials used for Hydrogen Generation”</i>		
T. Balaji, Santhosh Kumar, S.M.Rahul, B.Abishek Narayan, G.Swaminathan UG Student, Professor, Department of mechanical engineering, Sri Sairam Engineering College Chennai. <i>“Study on mechanical and sintering of hybrid Al/SiC/Flyash/Alumina composite”</i>		



102nd Indian Science Congress
3 – 7 January 2015



SECTION		Mathematical Sciences (including Statistics)
Sectional President	:	Prof. Ajay Kumar Head, Department of Mathematics, University of Delhi
Sectional Local Secretary	:	Prof. Rajendra P. Deore Head, Department of Mathematics, University of Mumbai
Sectional Recorder	:	Dr. Rashimi Verma Department of Mathematics, Mata Sundari College, University of Delhi

January 04, 2015		
14.30 - 18.30		
Venue		Department of Mathematics, Dnyaneshwar Bhavan
Presidential Address (14.30-15.15)	:	Ajay Kumar Department of Mathematics, University of Delhi <i>“Grothendieck Inequality”</i>
Platinum Jubilee Lecture (15.15-16.15)	:	Prof. Sudhir Ghorpade Head, Department of Mathematics, IIT, Bombay
16.30 -18.30 Session I: History of Mathematics		
16.30-17.00		Prof. S. G. Dani (Chair) Department of Mathematics, IIT, Mumbai
17.00-17.30		Prof. Michel Danino Department of Mathematics, IIT Gandhinagar
17.30-18.00		Prof. K. Ramasubramanian Department of Mathematics, IIT Bombay.
18.00-18.30		Prof. M.S. Sriram Department of Mathematics, University of Madras, Chennai
17.20 – 17.40 SECTIONAL COMMITTEE ELECTION		

January 05, 2015		
14.30 – 16.00		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	Department of Mathematics, Dnyaneshwar Bhavan
SYMPOSIUM: Recent Advances in Fluid Mechanics		
14.30 – 15.00		
INVITED LECTURES		
Prof. B. S. Bhadauria (Chair) Department of Mathematics, BHU , Varanasi <i>“Quantification of heat and mass transfer under modulation”</i> Prof. Tapan Sengupta, High Performance Computing Laboratory , Department of Aerospace Engineering, IIT Kanpur Prof. Rama Govindrajan JNCASER		



Dr. Madhumita Gangopadhyay,
Department of Mathematics, University of Mumbai

Foreign Speakers

Prof. Mofiz uddin Ahmed

Professor & Former Chair, Department of Mathematics and Natural Sciences, BRAC University, 66 Mohakhali, Dhaka 1212, Bangladesh

Prof. Jai Kumar

Department of Mathematics, TIFR, Mumbai

17.05-18.35 Oral Presentation Session(Applied Mathematics)

Venue	:	Department of Mathematics, Dnyaneshwar Bhavan
Session Chairman	:	Dr. B. S. Desale Department of Mathematics, University of Mumbai

Ramdas B. Sonawane

“Approximation of exact control problem for wave equation with bilinear control by optimal control problem”

J.A. Nanware

“Existence result for nonlinear initial value problems involving the difference of two monotone functions”

Sanjeev Sharma and Manoj Sahni

“Elastic - Plastic Analysis of Thin Rotating Disc. Having Variable Thickness and Variable Density with Edge Loading”

P. Prakash and S. Harikrishnan

“Oscillation of certain nonlinear fractional partial differential equation with damping term”

Sumitha

“Two phase batch arrival retrial queue with impatient customers, server breakdown and modified vacation”

V.K. Mishra, B. Ishwar

P.I. DST Project

“Stability of Triangular Equilibrium Points in the Photogravitational Elliptic Restricted Three Body Problem with Poynting-Robertson Drag”

Vijay Kumar and Nikky Kumari

“Stability of the Equilibrium position of the centre of mass of an extensible cable connected satellites system in the elliptic orbit under the influence of perturbative forces”

V.G.S. Naidu and P. Kanakadurga Devi, S. R. Koneru

“A Front Tracking Method for Two Phase Classical 1-D Stefan Problem”

Bhawani Rani Das

“A Study of the Conditions Regarding Constrained motion of Twin Satellites with Reference to the Oblateness of the Earth and Air Drag in Circular Orbit of the Centre of Mass”

Dishant Pandya

“Admissibility of fractional power in a class of solutions for anisotropic strange stars”

Mira Choudhury

“Radiation effects on MHD flow underlying an axisymmetric spreading surface with temperature dependent viscosity”



Concurrent Symposium Invited Lectures and Oral Presentations		
Venue	:	Department of Statistics, Tilak Bhavan
14.30 – 16.00		
SYMPOSIUM : Actuarial Science		
Organizer	:	Prof. Sheela Mishra Department of Statistics, University of Lucknow
<p>Prof. J. K. Wani, (Chair) University of Calgary , Canada</p> <p>Prof. G. P. Patil USA</p> <p>Prof. Makarand V. Ratnaparkhi Wright State University</p> <p>Dr. Vinod Kumar Kuttierath Head, Research , Institute of Actuaries of India, Mumbai</p> <p>Prof. R. L. Shinde NMU, Jalgaon</p>		
17.05-18.35 Oral Presentation Session(Statistics)		
Venue		Department of Statistics, Tilak Bhavan
Session Chirman		Prof. R. L. Shinde Department of Mathematics, NMU, Jalgaon
<p>Prasanta Paul and Ashok K. Nanda <i>“Some Ordering and Ageing Properties of (α, θ) Past Entropy”</i></p> <p>Babulal Seal and Parimal Hor <i>“Developing a method for variable selection : Through multiple regression in dirichlet case”</i></p> <p>K. S. Bhanu, C.P. Cholkar and M.N. Deshpande <i>“Coin Tossing : A new result”</i></p> <p>Dr. Hukum Chandra <i>“Disaggregate level Crop Yield Estimation using Small Area Estimation Techniques”</i></p> <p>Anjum Ara and M.K. Ahmad <i>“Economic wealth index and its comparison with human development Index : A study of four states”</i></p> <p>Sanchayita Sahu and Babulal Seal <i>“Developing a method of estimation from estimates of exponential family of curved exponential family”</i></p> <p>Jiteder Kumar M. S. Kedyan S.C. Malik <i>“Probabilistic analysis of 1 2-out-of-2 redundant system with two cold standby units”</i></p> <p>Suresh Chander Malik <i>“Stochastic Analysis of a System Reliability Model with Priority to Preventive Maintenance over Repair”</i></p>		



January 06, 2015

14.30 – 16.00

SYMPOSIUM & INVITED LECTURES,
ORAL PRESENTATIONS AND
CONCURRENT POSTER PRESENTATIONS

Venue

:

Department of Mathematics, Dnyaneshwar Bhavan

SYMPOSIUM: Harmonic Analysis and Banach Algebras

14.30 – 16.00

INVITED LECTURES

Prof. Ranjana Jain

Department of Mathematics, University of Delhi

Prof. Surabhav Srivastava

Department of Mathematics, ISER, Bhopal

Prof. Suparna Sen

Department of Mathematics, ISI, Kolkata

Prof. Ashisha

Department of Mathematics, IIT Indore

Foreign Speakers

Prof. Svetlin Georgiev,

Department of Differential Equations, Faculty of Mathematics and Informatics, University of Sofia "St Kliment Ohridski" Sofia, Bulgaria

Prof. Marcello Lucia,

City University, New York

17.05-18.30

Oral Presentation Session(Analysis)

Venue

:

Department of Mathematics, Dnyaneshwar Bhavan

Session Chairman

:

Prof. Jyotshana. Prajapat

Department of Mathematics, University of Mumbai

Jay Prakash Singh and M.S. Devi

"On 3- Dimensional P-Sasakian Manifolds"

Ram Lalit Roy

"The Tensor algebra for the space"

K. Manickam

"Superconvergence of finite element methods for solving fourth order semilinear optimal control problems"

Sainkumar Mn Mawiong

"On the Continuation Property of Conley Index"

C. Selvaraj

"On multivalent functions associated with fixed second coefficient and the principle of subordination"

S. B. Singh, Satyakam, Mithilesh Kumar

"The study of common fixed point theorem involving two pairs of weakly compatible mappings"

K. Sivakamasundari and K. Meena

"Properties of Δ^ - Open Sets in Topological Spaces"*



A. Anguraj

“Existence of mild solutions of random impulsive partial integro-differential equations”

P.N. Agrawal and A. Sathish Kumar

“Bivariate q -Bernstein-Schurer-Kantorovich Operators”

S.K. Tiwari and D.K. Bhatt

“On the Degree of Approximation By $(C 1)$ λ -Means of the Fourier Series”

Ashwani Kumar Sinha and M. M. Bajaj

“As Solutions of Equations Involving Nuclear Operators Arising Geometry of Banach Spaces”

17.05-18.30

Concurrnet Presentation Session(Algebra)

Venue	:	Department of Mathematics, Ranade Bhavan
Session Chairman	:	Dr. K. F. Pawar Department of Mathematics, NMU, Jalgaon

Daya Shankar Gupta

“Ramanujan's Circle Inspirors, Patrons and Mentors”

Susil Kumar Jena

“Method of Infinite Ascent Applied on $A^2 \pm nB^4 = C^3$ ”

Bhavale Ashok Nirutti

“Posets dismantable bydoubly rreducibles”

Tejeshwari Thakur

“An ID-based Key-Expsosur Free chameleon hashing under schnorr signature”

Hare Krishna Yadav

“Role of Peano's Arthimetic And its Set-Theoretic Structure”

Ankur Tiwari

“Interesting Relation in the Works of Brahmagupta, Mahavira and Bhaskara II”

R.S. Wadbude M.R. Aloney, K.V. Pawar R.R. Zoting

“Strongly Pure-Periodic Modules and a structure of strongly pure projective resolutions”



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SECTION		Medical Sciences including Physiology
Sectional President	:	Dr (Mrs) Shashi Bala Singh DRDO, Delhi
Sectional Local Secretary	:	Dr Amita Athavale Seth G S Medical College & KEM Hospital, Mumbai.
Sectional Recorder	:	Dr Samir Kumar Sil Tripura University, Tripura

January 04, 2015		
14.30 - 18.00		
Venue	:	National Center for Nanoscience and Nanotechnology
Presidential Address (30 min)	:	Shashi Bala Singh , , DRDO, Delhi <i>“Improving Health and Habitability of Troops in Extremes of Environment”</i>
Platinum Jubilee Lecture (30 min)	:	Pawan Sinha , USA <i>“Project Prakash: Merging Science and Service”</i>
	:	<ol style="list-style-type: none"> Susmita Seal, Kolkata Sheikh Irshad Ali, Kolkata Laxmi Prabha Singh, New Delhi Gaurab Sircar, Kolkata Medha Kapoor, New Delhi
17.20 – 17.40 SECTIONAL COMMITTEE ELECTION		

January 05, 2015		
14.30 – 17.30		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	National Center for Nanoscience and Nanotechnology
SYMPOSIUM: Health Sustainability in Stressful Environment by Translational Approach		
14.30 – 15.00		
INVITED LECTURES		
Dhurjati Majumdar , DRDO, Delhi <i>“Ergonomics for Health Sustainability in Stressful Environment”</i> Usha Panjwani , DRDO, Delhi <i>“Alternative strategies to improve cognitive function during sleep deprivation”</i> Laxmi T. Rao , NIMHANS, Bangalore <i>“Role of CREB expression in prefrontal cortex and hippocampus after fear conditioning in rats subjected to maternal separation stress”</i>		



Manorama Patri, Ravenshaw University Cuttack

“Noradrenaline protects B[a]P-induced DNA damage by increasing intracellular calcium”

Tusharkanti Ghosh, University of Calcutta

“Immune responses in simulated hypobaric hypoxic condition in rats”

G K Pal, University of Kalyani

“Involvement of Nitric Oxide in Bisphenol A Induced Depression of Small Intestinal and Cardiac Motor Function”

Dilip Kumar Nandi, Raja N. L. Khan Women's College, Medinipur

“Impact Of Functional Foods (Alpha Lipoic Acid & Probiotic) On Acetaminophen & Hypobaric Pressure Induced Oxidative Stress Related Uremic Male Rats”

14.30-17.30

Oral Presentation Session

Venue

:

National Center for Nanoscience and Nanotechnology

Hari S. Sharma, University Medical Center, Amsterdam, The Netherlands

“Pathogenesis and Therapeutic Strategies for Chronic Lung Diseases”

Wolter J. Mooi, VU University Medical Center Amsterdam, The Netherlands

“Recent Advances in Skin Cancer”

Johanna ELM Lavrijsen, UWV Institute, Medical Department, Leiden The Netherlands

“Social Aspects of Dutch Health Care System”

Sujata Maiti Choudhury, Vidyasagar University, Midnapore

“Enhancement of antineoplastic and apoptotic potential by green silver nanoparticles of Calotropis gigantean latex”

Chandradipa Ghosh, Vidyasagar University, Midnapore

“Study on coagulase gene in clinical isolates of Staphylococcus aureus: An important virulence marker”

Nidhi Sandal, DRDO Bhawan,, New Delhi

“Radiopharmaceuticals for Inflammation and Infection Imaging”

Deepti Majumdar, DRDO, Delhi

“Kinetic responses of Step-up aerobic exercises at two different step heights in young adult females”

Raj K. Shrivastava, State Forensic Science Laboratory, Sagar

“Variation and Forensic Fitment of Three Anatomical Anthropometric Facial Indices”

Vivek Ambade, AFMC, Pune

“Total antioxidant capacity: reliability, correlation with other antioxidants and clinical efficacy in chronic obstructive pulmonary disease”

Nilkanta Chakrabarti, University of Calcutta, Kolkata

“Molecules to Systems : An attempt to define Integrative Physiology of Cognition”

Vijay Batra, G.B. Pant Hospital , Delhi

“Optimizing Oro-Facial performance abilities in LMN Facial Paralysis using Facial Taping- An innovative technique”

Bhabani Prasad Sahoo, Kolkata Accupuncture Medical College, Kolkata.

“Acupuncture in Dental Pain – A Review of 50 Patents”

Vinod Marathe, Pravara Institute of Medical Sciences, Ahmednagar

“Ayurveda at its best used in integrative treatment protocol for IHD/CAD/STROKE in ICU”



January 06, 2015		
14.30 – 17.30		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	National Center for Nanosciences and Nanotechnology
SYMPOSIUM: Health Sustainability in Stressful Environment by Translational Approach		
14.30 – 15.00		
PSI Oration Lectures		
<p>Prof. S.C Mahalanobis, Memorial Oration Prof. K. Raghothama Rao, Oration Shri Ramendra Sundar Sinha, Memorial Oration Dr. Siddhartha Debnath, Memorial Oration Shashi Bala Singh, DIPAS, DRDO, Delhi <i>"Cognition at low oxygen"</i> DK Dubey, 3 Air Force Hospital, Amla, MP. <i>"Protection of armed forces personnel from heat"</i> Amit Krishna De, Indian Science Congress Association, Kolkata <i>"Anti-inflammatory and anti-oxidant compounds from Indian Spices"</i> Ashok Jaryal, AIIMS, Delhi <i>"A Clinical Physiologist? : From Implicit to Explicit"</i></p>		
15.00 – 17.30		
INVITED LECTURES		
Venue	:	National Center for Nanosciences and Nanotechnology
<p>Sumantra Chatterji, NCBS, Bangalore <i>"Stress, emotions and the brain: from memories to memories"</i> Somenath Roy, Vidyasagar University, Midnapore <i>"Nanoparticles conjugate Antigen enhances anticancer immunoresponse"</i> Mouli Madhab Ghatak, Physical Medicine & Neuro Rehab, Kolkata. <i>"Brain plasticity – till far from practical benefits"</i> Om Shrivastav, Kasturba Hospital & Jaslok Hospital, Mumbai <i>"Human Immune System, Zoonosis and emerging Infections-Trends"</i> Vinay K. Khanna, Indian Institute of Toxicology Research, Lucknow. <i>"Alterations in post-synaptic signaling proteins associated with hippocampal glutamatergic functions following arsenic exposure in rats and neuroprotective efficacy of curcumin"</i></p>		
Concurrent Symposium Invited Lectures and Oral Presentations-1		
Venue	:	National Center for Nanosciences and Nanotechnology
14.30 – 17.30		
SYMPOSIUM : Lifestyle Disorders: The Indian Scenario		
Invited Lectures		
<p>Prafulla G. Kerkar, K.E.M. Hospital, Mumbai <i>"Bypassing the Coronary Bypass"</i></p>		



- Milind Kirtane**, Hinduja Hospital and Medical Research Centre, Mumbai
"Hearing Sense-A Noiseless World"
- Bhavin Jankharia**, Radiologist President, Indian Radiological & Imaging Association, Mumbai
"Running and Health"
- Amar K Chandra**, University of Calcutta, WB.
"Excess Iodine on Thyroid and Reproduction"
- Arun J. Patil**, Krishna Institute of Medical Sciences University, Karad
"Biochemical Aspects of Lead Exposure and Toxicity"
- Surajit Ghatak**, All India Institute of Medical Sciences, Jodhpur
"Bitter Sweet truths about Diabetes"
- Arpita Priyadarshini**, V.S.S. Medical College, Burla
"Effect of yoga (asana and pranayama) on lipid profile"
- Pawan Ojha**, Hiranandani Fortis Hospital, Navi Mumbai
"Recent advances in management of acute ischemic stroke"
- Pavitra Rastogi**, K.G.M.U. Lucknow
"Maternal Periodontal Diseases and Preterm Low Birth Weight Infants"
- Paramvir Singh**, Punjabi University
"Patiala Traditional Bone Setting: Origin And Practice"
- K C Mathur**, Bikaner
"Effect of mind body therapy (Yoga, meditation and music) on elderly hypertensive people"

Concurrent Symposium Invited Lectures and Oral Presentations-2

Venue **National Center for Nanosciences and Nanotechnology**

14.30 – 17.30

SYMPOSIUM : Health Sustainability in Stressful Environment by Translational Approach

Invited Lectures

- Debasish Bandyopadhyay**, University of Calcutta
"Isoproterenol induced myocardial ischemia in rat model: our experiences with melatonin"
- Monoj K Chakrabarti**, NICED, Kolkata
"Protective efficacy of recombinant OmpA of Shigella flexneri 2a in a nasal pulmonary model"
- Rashmi Babbar**, Maulana Azad Medical College, New Delhi
"A new approach to dementia—nitric oxide"
- Sudipta Pal**, Tripura University
"Sub-acute oral exposure to fluoride: a threat to metabolic homeostasis in rat brain"
- Anju Katyal**, Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi
"Regulating Cholinergic functions : A useful tool to control Neuroinflammatory responses in GCI/R injury"
- Amit Pal**, NICED, Kolkata
"Bacterial proteases: their role in pathogenesis, transport and anti-tumor activity"
- Samir Sil**, Tripura University
"Genetic relationship between Bodo tribe of Assam and Tripuri Tribe of Tripura in respect to frequency of occurrence and haplotype background and of Hemoglobin E (HbE) mutation"
- Debasish Maiti**, Tripura University
"Effect of G-CSF and IL-15 on Neutrophil in leukaemia induced mice"



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Sulagna Basu NICED, Mumbai

“Carbapenem resistance in a neonatal intensive care unit in a developing country: role of transmissible genetic elements”

Soumendra Darbar, Dey's Medical Stores (Manufacturing) Limited, Kolkata

“Combined ameliorative effect of Curcuma longa and Vitamin C on oxidative stress, protein profile and DNA fragmentation against Zearalenone-induced liver damage”



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SECTION		New Biology (Including Biochemistry, Biophysics, Molecular Biology and Biotechnology)
Sectional President	:	Prof. Sib Sankar Roy CSIR-IICB, Kolkata-32
Sectional Local Secretary	:	Dr. Bhupendra Pushkar Mumbai University, Mumbai
Sectional Recorder	:	Prof. Partha Pratim Bose NIPER, Hajipur

January 04, 2015		
14.30 - 18.00		
Venue		Sankar Rao Chevan Teachers Acedemy
Presidential Address (30 min)	:	Sib Sankar Roy , CSIR-IICB, Kolkata-32 <i>“Role of Growth Factors in proliferation and invasion of ovarian epithelial cancer”</i>
Platinum Jubilee Lecture (30 min)	:	Debi Prasad Sarkar , University of Delhi, Delhi <i>“Targeted gene delivery to liver cells using engineered Sendai viral envelopes: A Preclinical Experience”</i>
Young Scientist Award Presentations (each 10 min presentation + 5 min Q and A)	:	1) Kallol Saha , Kolkata 2) Snehal Gagare , Pune 3) C.Sathishkumar , Chennai 4) M.R. Rameshkumar , Chennai 5) Abhinav Grover , New Delhi 6) Sai Krishna Repalli , Cuttack
Invited Lectures	:	Yasuhiro Ozeki , Yokohama University, Japan <i>“Glycomics, a Tool for the Innovation of Biomedicine”</i> Asim K. Duttaroy , University of Oslo, Norway <i>“Environmental factors affecting human pregnancy: Nutrients and metabolic pathways”</i> H.K. Majumdar , CSIR-IICB, Kolkata <i>“Therapeutic intervention in kala-azar research: A molecular biological approach”</i>
17.20 – 17.40	SECTIONAL COMMITTEE ELECTION	



January 05, 2015		
14.30 – 17.30		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	Sankar Rao Chevan Teachers Acedemy
SYMPOSIUM: Recent advances in Biophysics and Structural Biology		
14.30 – 16.00		
INVITED LECTURES		
<p>Girjesh Govil, TIFR, Mumbai <i>“Nuclear magnetic resonance (nmr); from molecules to living systems”</i></p> <p>T.P. Singh, AIIMS, New Delhi <i>“Structural basis of the Antibiotic action of Innate Immunity Proteins and their therapeutic applications”</i></p> <p>R.V. Hosur, TIFR, Mumbai <i>“Pushing the frontiers of protein NMR”</i></p> <p>N.R. Jagannathan, AIIMS, New Delhi <i>“Role of MRI and MR Spectroscopy in Cancer”</i></p> <p>K.V.R. Chary, TIFR, Mumbai <i>“Structure and Dynamics of Intrinsically Ordered and Disordered Proteins by NMR: The-State-of-the-Art”</i></p>		
Oral Presentation Session		
Venue	:	Sankar Rao Chevan Teachers Acedemy
16.00-17.45		
INVITED LECTURES		
<p>Dulal Panda, IIT-Bombay, Mumbai <i>“Blunting microtubule dynamics is an attractive strategy for cancer chemotherapy”</i></p> <p>Munna Sarkar, Saha Institute of Nuclear Physics, Kolkata <i>“New function for old drugs: membrane fusion”</i></p> <p>Chitra Dutta, CSIR-Indian Institute of Chemical Biology, Kolkata <i>“Molecular Evolution in Extremophilic Microbes– Telling a Tale of Tailor-made Convergence”</i></p> <p>Nakul Maiti, CSIR-Indian Institute of Chemical Biology, Kolkata. <i>“Chaperone Action of Cyclophilin on Amyloid Formation and Disaggregation”</i></p>		
Concurrent Symposium Invited Lectures and Oral Presentations		
Venue	:	Sankar Rao Chevan Teachers Acedemy
14.30 – 16.00		
SYMPOSIUM : Translational Research for Human Development		
<p>Dileep N. Deobagkar, University of Pune, Pune <i>“Use of Basic Research in Developing Control Strategies for Vector Borne Diseases: A Case of Two Pathogens”</i></p> <p>S. P. Kale, BARC, Mumbai <i>“Challenges in Sustainability of Environment”</i></p>		



Mrutyunjay Suar, KIIT University, Bhubaneswar
“Small non-coding RNA in Salmonella: Attributing Acid Tolerance and contributing in virulence”

Kaustav Ganguly, SRM University, Chennai
“Functional Genomics of Pulmonary Function Development in Mice with a Translational Approach”

Sunil Kumar Verma, CSIR-CCMB, Hyderabad
“DNA evidence: Current perspective and future challenges in India”

Oral Presentations

OP, Archana Rath, Mumbai University, Mumbai
“A study on the prevalence and characterization of antibiotic resistant micro-organisms in food samples”

14.30 – 17.30

SYMPOSIUM : Cancer Biology

Venue : Sankar Rao Chevan Teachers Acedemy

Pritha Ray, ACTREC, Mumbai
“IGF-1R signalling: a link between chemoresistance and cancer stem/initiating cells in epithelial ovarian cancer”

Susanta Roychowdhury, CSIR-Indian Institute of Chemical Biology, Kolkata.
“Human oncogene Myb causes mitotic abnormality by transcriptional deregulation of Cdc20”

Sharmila Bapat, NCCS, Pune
“Tumor Deconstruction identifies Definitive End-points in Drug Screening”

Urmi Chatterjee, University of Calcutta, Kolkata
“Differential gene expression analysis and genetic association studies in benign and malignant prostate tissues”

Oral Presentations

Moitri Basu
SINP, Kolkata
“The implication of growth factor in promoting ovarian cancer”

January 06, 2015

14.30 – 17.30

**SYMPOSIUM & INVITED LECTURES,
ORAL PRESENTATIONS AND
CONCURRENT POSTER PRESENTATIONS**

Venue : Sankar Rao Chevan Teachers Acedemy

SYMPOSIUM: Translational Research for Human Development-Metabolic Disorders

14.30 – 16.00

INVITED LECTURES

Parimal Mishra, Dr. Reddy’s Institute of Life Sciences, Hyderabad
“Stress induced type 2 diabetes: The role of transcriptional co-activator binding protein PIMT”



<p>Pamela Ghosh, Harvard Medical School, Boston, USA <i>“Blood levels of glycosylated CD59 (gCD59) as a novel biomarker for glucose handling in humans”</i></p> <p>Madhu Dikshit, CSIR-Central Drug Research Institute, Lucknow <i>“L-Plastin-S-glutathionylation attenuates human neutrophil chemotaxis, polarization and bactericidal activity”</i></p> <p>Satinath Mukhopadhyay, IPGMER & SSKM Hospital, Kolkata <i>“Overcoming lipid- induced insulin resistance: the challenges ahead”</i></p> <p>Uday Saxena, Dr. Reddy’s Institute of Life Sciences, Hyderabad <i>“Statins: Saints or Satans? A translational approach to understanding why statins cause insulin resistance and type 2 diabetes”</i></p>		
<p>16.00 – 17.45</p> <p style="text-align: center;">SYMPOSIUM : Translational Research for Human Development</p>		
Venue		Sankar Rao Chevan Teachers Acedemy
<p>Abhijit Chakraborty, SINP, Kolkata <i>“Red cell, Disease, Proteomics & Chemical Biology”</i></p> <p>Subeer S. Majumdar, National Institute of Immunology, New Delhi <i>“New simplified methods of transgenesis increasing scope of translating genomic knowledge for human use”</i></p> <p>Devendra Agrawal, Omaha, Nebraska, USA <i>“Differentiation of Bone Marrow Stromal Cells into Endothelial Cells and Stem Cell Therapy in Coronary Artery Disease”</i></p> <p>Rupam Sahoo, Harvard Medical School, Boston <i>“The deficiency of cd59 accelerates the development of diabetic atherosclerosis in mice”</i></p>		
<p style="text-align: center;">Concurrent Symposium Invited Lectures and Oral Presentations</p>		
Venue		Sankar Rao Chevan Teachers Acedemy
<p>14.30 – 16.00</p> <p style="text-align: center;">SYMPOSIUM : Translational Research for Human Development Microbes, pathogens and drug</p>		
<p>Tapash C Ghosh, Bose Institute, Kolkata <i>“Evolutionary rates of Yeast proteins from the perspective of protein complex assembly”</i></p> <p>U. C. Banerjee, NIPER, Mohali <i>“Role of stereo-selective enzymes in the synthesis of drugs and drug intermediates”</i></p> <p>Sudip Ghosh, IIT-Kharagpur <i>“Early events of Entamoeba encystation”</i></p> <p>Kausik Chattopadhyay, IISER, Mohali <i>“The (w)hole story of an ancient form of cell-killing mechanism employed by the bacterial pore-forming toxins”</i></p> <p>Rajni Singh, Amity Institute of Microbial Biotechnology, Noida <i>“MALDI TOF MS and CD Spectral analysis for Identification and Structure Prediction of Novel”</i></p>		
<p>Oral Presentations</p>		
<p>OP, Santanu Das, Seshadripuram First Grade College, Bangalore <i>“Subtyping of HIV-1 by gag Heteroduplex Mobility Assay(HMA)”</i></p>		



16.00 – 17.45	SYMPOSIUM : Translational Research for Human Development Radiation, Radiotherapy, Biomarkers
<p>Hari S. Misra BARC, Mumbai <i>“Eukaryotic type Ser/Thr/Tyr protein kinase role in radioresistance of Deinococcus radiodurans: a paradigm shift”</i></p> <p>K.P. Mishra Nehru Gram Bharati Univ, Allahabad <i>“Antioxidants may improve cancer radiotherapy: silibinin sensitized breast tumor cells to radiation”</i></p>	
Oral Presentations	
<p>Sharmistha Dey, AIIMS, New Delhi <i>“Identification of serum Sirtuins as novel non-invasive protein markers for frailty”</i></p> <p>Partha Pratim Bose, NIPER, Hajipur <i>“Visual Diagnosis of Drug-Resistant Leishmaniasis by Plasmonic Detection of Genetic Biomarker”</i></p> <p>Urmimala Chatterjee, WBUT, Kolkata <i>“A potent mitogenic lectin from Betel nut, Areca catechu agglutinin (ACA) with antiproliferative and cytotoxic effect on B16F10 melanoma cancer cell line”</i></p>	

January 07, 2015	
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS	
Venue	: Sankar Rao Chevan Teachers Acedemy
14.30 – 17.30	SYMPOSIUM: Translational Research for Human Development-Cancer Biology
INVITED LECTURES	
<p>Samit Chattopadhyay, NCCS, Pune <i>“Control of regulatory T cell fate during Inflammatory Bowel Disease (IBD)”</i></p> <p>Abhijit De, ACTREC, Mumbai <i>“From reporter gene imaging to cancer gene therapy: Repositioning sodium iodide symporter mediated radioiodine therapy for breast cancer”</i></p> <p>Sudeep Gupta, ACTREC, Mumbai and TMC, Mumbai <i>“Personalizing treatment in cancer - promise and pitfalls”</i></p> <p>Soumen Chakraborty, Institute of Life Science, Bhubaneswar <i>“BCR-ABL mediated repression of miR-223 results in the activation of MEF2C and PTBP2 in chronic myeloid leukemia”</i></p> <p>Aniruddha Banerji, St. Xaviers College, Kolkata <i>“Role of cell surface receptors in modulation of MMP activity in human cancer cells”</i></p>	



Sudha S, Karpagam University, Coimbatore
“Calreticulin expression affects the normal performance of p53 expression in breast cancer cell lines”

Concurrent Symposium Invited Lectures and Oral Presentations

Venue Sankar Rao Chevan Teachers Acedemy

14.30 – 16.00

**SYMPOSIUM : Translational Research for Human Development
Microbes, pathogens and drug**

Subrata Sinha, NBRC, Manesar

Sharmila Chattopadhyay, CSIR-IICB, Kolkata

“To unravel the podophyllotoxin biosynthesis in Podophyllum hexandrum”

Bhupendra Pushkar, Mumbai University

“Molecular Studies on Bioremediation of Heavy Metals from Mithi River”

Soumen Acharya, NIPCCD, New Delhi

“The study of Orthographic learning in dyslexic Maori speaking children in Wangani New Zealand”

Shila Elizabeth. Besra, CSIR-IICB, Kolkata

“Apoptosis inducing bioactive compound from leaves Wattakaka volublis on Hepatocellular carcinoma”

Parvatam Giridhar, CFTRI, Mysore

“Restoration of transcription of N-methyltransferases specific for caffeine biosynthetic pathway by phenolic and volatile phytohormones– a phenomenon noticed during ontogeny of Coffee”

Rambir Singh, Bundelkhand University, Jhansi

“Insulin secretagogue activity of Aqueous Extract of Momordica charantia is partly due to increase in PKC activity in rat islets”



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SECTION		Physical Sciences
Sectional President	:	Dr. V. P. Mahadevan Pillai University of Kerala, Trivandrum
Sectional Local Secretary	:	Dr. Anuradha Misra Mumbai University
Sectional Recorder	:	Prof. Manisha Gupta Department of Physics, Lucknow University

January 04, 2015		
14.30 - 17.00		
Venue	:	Phirozeshah Mehta Bhavan, Kalina Campus.
Presidential Address (30 min)	:	V.P.Mahadevan Pillai <i>"Nanostructured Materials for Device Applications"</i>
Platinum Jubilee Lecture (30 min)	:	Awadesh Kumar Rai <i>"Point detection capability of LIBS for the monitoring of in-situ chromium uptake in Triticumaestivum seedlings"</i>
Special lecture on the subject of Regional Importance (20 min)	:	<ol style="list-style-type: none"> 1. Seema Awasthi, Hyderabad 2. Gulab Singh Maurya, Allahabad 3. Dharmendra Pratap Singh, Lucknow 4. Swarniv Chandra, Kolkata 5. Mohit Tyagi, Mumbai
17.20 – 17.40 SECTIONAL COMMITTEE ELECTION		

January 05, 2015		
14.30 – 16.00		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	Phirozeshah Mehta Bhavan, Kalina Campus.
SYMPOSIUM: Symposium/Technical Session		
14.30 – 16.00		
INVITED LECTURES		
Ajoy Kumar Kar <i>"Innovative Technology for future lasers healthcare and communications"</i> R. N. Singh <i>"Impact of Basic Research in Physics on Societal Development"</i> Ran B. Singh <i>"Physics in Forensics"</i>		



Murukeshan Vadakke Matham <i>"Multi-Modality Imaging-nanoscale perspective for early cancer diagnosis and high resolution ocular imaging"</i>		
B. N. Jagatap <i>"Basic Research and Technology Development"</i>		
16.00 – 17.45		
SYMPOSIUM : Translational Research for Human Development		
Venue	:	Phirozeshah Mehta Bhavan, Kalina Campus.
Prem B Bisht <i>"A simple method of generating tunable femtosecond pulses in 375-410 nm Region"</i>		
Sanjeev R. Inamdar <i>"FRET from core and core/shell quantum dots to Sulforodamine B: A comparative investigation"</i>		
J.P. Shukla <i>"Polymer-Nematic Liquid Crystal Composites-A Dielectric, Electro-optic and Switching Study"</i>		
K. P Rajappan Nair <i>"Rotation, Internal Rotation and Nuclear Hyperfine Structures in Molecules as Studied by Microwave Spectroscopy"</i>		
Sudarsan Das <i>"A presentation By Fulbright India Commission"</i>		

January 06, 2015		
14.30 – 17.30		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	Phirozeshah Mehta Bhavan, Kalina Campus.
SYMPOSIUM/TECHNICAL SESSION		
14.30 – 16.00		
INVITED LECTURES		
S. H. Behere <i>"Fractal growth studies and its applications"</i>		
D. J. Biswas <i>"Laser Assisted Surface Cleaning"</i>		
V. K. Farkya <i>"On low (1000 Hz) and high frequency (10 MHz to 30 MHz) charge transport in some semiconductor devices"</i>		
Raghava Varma <i>"Teaching Programme in Accelerator Physics"</i>		
Tarun Kumar Gangopadhyay <i>"Development of Optical Fiber and Fiber-optic Sensors"</i>		



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16.00 – 17.45		Invited Lectures/Oral Presentation
Venue		Phirozeshah Mehta Bhavan, Kalina Campus.
Vaishali Bambole <i>“Molecular Electronics: Unveiling Futuristic Technologies”</i>		
G. D. Baruah <i>“Self-Consistency of Natural laws appearing in the domain of Physical Science”</i>		
P. Srinivasan <i>“Nanofibers for nonlinearoptical applications”</i>		
S. K. Singh <i>“Lanthanide doped Nanostructures for multi-modal emission and their applications”</i>		
V.P. Sudeep Kumar <i>“Latest Trends in Fiber optic communication”</i>		

January 07, 2015		
14.30 – 16.00	SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS	
Venue	:	Phirozeshah Mehta Bhavan, Kalina Campus.
	SYMPOSIUM:	
14.30 – 16.00	INVITED LECTURES	
Suresh Chandra <i>“Rates for rotational transitions in H₂CO due to collisions with He under Coupled States approximation”</i>		
Radha Srinivasan <i>“Polymer-Nematic Liquid Crystal Composites - A Dielectric, Electro-optic and Switching Study”</i>		
S. K. Dubey <i>“Modification of semiconductor surfaces by swift heavy ions”</i>		



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SECTION		Plant Sciences
Sectional President	:	Prof. Arun Kumar Pandey University of Delhi, Delhi
Sectional Local Secretary	:	Dr. Usha Mukundan Ramriranjan Jhunjhunwala College, Mumbai
Sectional Recorder	:	Prof. (Mrs) Seshu Lavania University of Lucknow, Lucknow

January 04, 2015		
14.30 - 18.00		
Venue	:	Shankar Rao Chevan Teachers Acedamy, Auditorium
Presidential Address (30 min)	:	Arun K. Pandey , University of Delhi, Delhi <i>"The changing paradigm of angiosperm systematics: Symbiosis of morphology and molecules"</i>
Platinum Jubilee Lecture (30 min)	:	Usha Vijayaraghavan , Indian Institute of Science, Bengaluru <i>"Functions for some evolutionarily conserved transcription factors in rice inflorescence and flower development"</i>
Invited Lectures	:	Hanno Schaefer , Technical University of Munich, Germany <i>"Historical biogeography of the gourd family (Cucurbitaceae)"</i> Vidal de Freitas Mansano , Instituto de Pesquisas, Jardim Botânico do Rio de Janeiro, Brazil <i>"Taxonomy, floral ontogeny and systematics of some enigmatic legumes"</i>
Special lecture on the subject of Regional Importance (20 min)	:	1) Dhriti Bhattacharyya , New Delhi 2) Charu Shahi , Nainital 3) Lakshmeesha T. R , Bengaluru 4) Beetika Kohli , Jammu 5) Rajkumari Jashmi Devi , Shillong 6) Amit Kumar Mishra , Varanasi
17.20 – 17.40 SECTIONAL COMMITTEE ELECTION		



January 05, 2015		
14.30 – 17.30		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	Shankar Rao Chevan Teachers Acedamy, Auditorium
SYMPOSIUM /INVITED LECTURES		
14.30 – 16.00		
INVITED LECTURES		
<p>Akhilesh K. Tyagi, National Institute of Plant Genome Research, New Delhi <i>“Functional genomics of water-deficit stress response in rice”</i></p> <p>Paramjit Khurana, Department of Plant Molecular Biology, University of Delhi, New Delhi <i>“Engineering plants for changing climatic conditions”</i></p> <p>Debashis Banerji, Baba Amte Centre for People’s Empowerment, Dewas, Madhya Pradesh <i>“advances in plant transformation technology for production of stable and biosafe gm crops in the context of climate change”</i></p> <p>R.S. Dubey, T. M. Bhagalpur University, Bhagalpur <i>“Strategies for production of metal tolerant crop plants in relation to metabolites, metabolic profiling and proteomics”</i></p> <p>H.N. Verma, Jaipur National University, Jaipur <i>“Crop improvement for virus disease management”</i></p>		
16.00 – 17.45		
INVITED LECTURES/ ORAL PRESENTATIONS		
Venue	:	Shankar Rao Chevan Teachers Acedamy, Auditorium
<p>Pramod Tandon, North-Eastern Hill University, Shillong <i>“An integrative approach to the conservation of plant genetic resources”</i></p> <p>M. Sanjappa, GKVK, Bengaluru <i>“Floristic diversity in India: An overview”</i></p> <p>S.B.Babbar, University of Delhi, Delhi <i>“DNA barcoding: A novel taxonomic tool providing unique molecular ids to plants for identification and detection”</i></p> <p>S. R. Yadav, Shivaji University, Kolhapur <i>“Biodiversity crisis and dearth of taxonomists”</i></p> <p>R. Geeta, University of Delhi, Delhi <i>“Phylogenetic biology or, so you have a phylogenetic tree – what next?”</i></p>		



January 06, 2015		
14.30 – 17.30		
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS		
Venue	:	Shankar Rao Chevan Teachers Acedamy, Auditorium
SYMPOSIUM:		
14.30 – 16.00		
INVITED LECTURES		
<p>S.C. Bhatla, University of Delhi, Delhi <i>“Understanding the salt-tolerance mechanisms in sunflower seedlings”</i></p> <p>Anil K. Tripathi, CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow <i>“Development and dissemination of improved varieties and agrotechnologies for medicinal and aromatic plants (maps) suitable for different agro-climatic conditions”</i></p> <p>A. P. Das, North Bengal University, Darjiling <i>“East himalayan flora: Conservation with an emphasis to orchids and epiphytes”</i></p> <p>Veena Agrawal, University of Delhi, Delhi <i>“Improvement in crop plants through antioxidants and genetic engineering under climate change-induced abiotic stress”</i></p> <p>Amar Kumar, University of Delhi, Delhi <i>“Plant-pathogen interaction: A sophisticated dialogue”</i></p> <p>U.N. Dwivedi, Lucknow University, Lucknow <i>“Lignin metabolic pathway engineering for improved biomass utilization”</i></p> <p>M.K. Janarthanam, Goa University, Goa <i>“Plant systematics: Floristics to phylogenomics”</i></p> <p>S. Rama Rao, North-Eastern Hill University, Shillong <i>“Cytogenetical and molecular approaches for systematic studies of some horticultural plants of North-East India”</i></p>		
Concurrent Symposium Invited Lectures and Oral Presentations		
Venue	:	Shankar Rao Chevan Teachers Acedamy, Auditorium
14.30 – 16.00		
SYMPOSIUM		
Venue	:	
<p>Manoj Prasad, National Institute of Plant Genome Research <i>“Foxtail millet: a climate change resilient model crop with rich genetic and genomic resources for genetic improvement of cereals and bioenergy grasses”</i></p> <p>Rakesh Pandey, CSIR-Central Institute of Medicinal and Aromatic Plants <i>“Microbial strategies for sustaining environment, soil and plant health”</i></p> <p>M. Sabu, University of Calicut, Kerala <i>“Taxonomic revisions/monographs: need of the hour – case studies from Indian zingiberales”</i></p> <p>D. K. Maheshwari, Gurukul Kangri University Haridwar <i>“Biocontrol Research Strategies in India: Success Stories, Hurdles and Future”</i></p>		



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Rupam Kapoor , University of Delhi, Delhi <i>“Enhancing plant secondary metabolism through AM symbiosis: An underground approach”</i>	
16.00 – 17.45	
Invited Lectures/ Oral Presentations	
Venue	Shankar Rao Chevan Teachers Acedamy, Auditorium
T. Pullaiah , Sri Krishnadevaraya University Anantapur <i>“Bryophytes of Andhra Pradesh”</i>	
Umesh C. Lavania , University of Lucknow, Lucknow, <i>“Polyploidy initially considered as an evolutionary dead end is in fact a force to reckon with?”</i>	
Nisha Singh , University of KwaZulu-Natal, Durban, South Africa <i>“University of KwaZulu-Natal strides ahead in crop improvement”</i>	
Rana Pratap Singh , Babasaheb Bhimrao Ambedkar University, Lucknow <i>“Low cost organic matrix based granules for high yield output, low emission of NO_x and SO_x and microbial enrichment of soil in wheat (Triticum aestivum L.)”</i>	

January 07, 2015	
14.30 – 17.30	
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS	
Venue	: Shankar Rao Chevan Teachers Acedamy, Auditorium
14.30 – 15.00	
INVITED LECTURES	
Ramaswamy Nanna , Kakatiya University, Warangal <i>“Development of abiotic stress tolerance in transgenic cultivated tomato”</i>	
Dharmendra Singh , Kebbi State University of Science and Technology Aliero, PMB-114.304, Nigeria <i>“Salient featutres of floristic diversity of wamakko local government area, Soxoro State, Nigeria”</i>	
P.K. Saha , Division of plant Biology, Bose Institute, Kolkata <i>“Perspective of Indian Sesame (Sesamum indicum L. and S. mulayanum Nair) seed research”</i>	



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SECTION		Science Communicator's Meet
Sectional President	:	
Sectional Local Secretary	:	Dr. Anuradha Mujumdar Bombay College of Pharmacy, Mumbai
Sectional Recorder	:	

January 04, 2015

15.15 - 15.45		
Venue	:	Jawaharlal Nehru Library
Presidential Address (30 min)	:	Dr. S. B. Nimse, General President, ISC-2015
Chairperson		Dr. Amit Krishna De Executive Secretary, ISCA Dr. Biman Basu, Former Editor, Science Reporter, New Delhi
Coordinator:		Mrs. Ujjwala Tirkey DST, New Delhi
Invited Lectures	:	Dr. Manoj Kumar Patariya Addl. Director General, Doordarshan, Prasar Bharti, New Delhi <i>"What Public and Policymakers Think about Science Communicators!"</i>

15.45 – 18.00 TECHNICAL SESSION
"Scientific Advances Fuelling Human Progress"

Chairperson	Dr. Gopichandran Director, VigyanPrasar, New Delhi
Chairperson	Dr. Tapati Mukhopadhyay UGC-Emeritus Professor, Mumbai
Coordinator	Dr. Punit Kumar Department of Physics, University of Lucknow

Oral Presentations Nos. 1 – 10

Mr. Avinash Senad <i>"Science and Technology- a boon for society"</i>
Mr. Bibhuti Narayan Biswal <i>"Inculcating Technology Aided Bioheritage Conservation Education Among School Children: Experience From A Residential School"</i>
Prof. D. Walia <i>"Geosciences and Disaster Resilience"</i>
Prof. (Dr.) Janak D. Ahi <i>"Technological Innovations: Agents for Human Enrichment"</i>
Prof. Jayant J. Khandare <i>"Science and Technology in Cancer Diagnostics : Rapid Isolation and Detection of Circulating Tumor Cells by Magneto- Nanosystem"</i>
Dr. K. Manjunath <i>"Science and Technology For Human Development"</i>



Dr. M.A. Haque <i>"Simplicity and Appropriateness of Language are Crucial in Communication"</i>	
Ms. Neepa Banerjee <i>"Simplicity and Appropriateness of Language are Crucial in Communication"</i>	
Mr. P. C. Jain <i>"Science Communication and Human Development"</i>	
Dr. Ravi Kiran Suripeddi <i>"Science and Technological Innovations for Human Welfare"</i>	
Chairperson	Dr. N. B. Basu, General Secretary, Membership Affairs, ISCA
Chairperson	Dr. M. N. Saraf, Principal, Bombay College of Pharmacy
Coordinator	Dr. Sundar Rajdeep University of Mumbai
Poster Presentations Nos. 1 – 10	
Dr. K. P. Sahu <i>"Socio- Economic Needs for Utilization and Conservation of Medicinal Plants for Enhancement of Rural Livelihood System"</i>	
Ms. Anagha. P. Patil <i>"Eco-friendly Technologies for Human Development in Rural"</i>	
Ms. Anita G. Khandizod <i>"Person Identity Verification Using Multispectral Palmprint Fusion"</i>	
Dr. B. Santhaveerana Goud <i>"Science And Technology For Human Development With an Emphasis on Role of Environmental Management"</i>	
Dr. M. Prashanti <i>"Science, Technology and Mankind"</i>	
Mr. N. Vijaykanth <i>"Recent Advancements of Science and Technology in Medicine for Human Development"</i>	
Dr. Nutankumar Dash <i>"Optimizing Use of Water by Drip Irrigation"</i>	
Dr. Prashant Singh <i>"Societal Science Endeavor to Tackle Water Quality and Water Management Issues in Uttarakhand"</i>	
Ms. Priya Chhabra <i>"Role of Micro-Electromechanical Systems (MEMS) in Human Development"</i>	
Prof. Ranvijay Sing <i>"Common Vector Borne Diseases in India: Role of Technology in Prophylaxis and Control of Vectors for Human Development"</i>	



January 05, 2015	
9.00 – 11.00	
SYMPOSIUM & INVITED LECTURES, ORAL PRESENTATIONS AND CONCURRENT POSTER PRESENTATIONS	
Venue	: Jawaharlal Nehru Library
Theme: Innovations in Technology: A Must for Human Development	
Chairperson	Dr. Manoj Kumar Patairiya Addl. Director General, Doordarshan, Prasar Bharti, New Delhi
Chairperson	Dr. Rohini Sivabalan Retired Head, Department of Biological Sciences, Ruia College, Mumbai
Coordinator	Dr. Indrani Banerjee , Academy of Clinical Excellence, Mumbai
Oral (podium) Presentations Nos. 11 – 18	
<p>Dr. Ruchi Dubey Sharma <i>“Paptode: A User friendly Senso-Removal Analytical Tool for Human Convenience”</i></p> <p>Prof. S.N.Patro <i>“Energy for Sustainable Future: Challenges and Opportunities”</i></p> <p>Dr. S. Ramasamy <i>“Science and Technology for Human Development: Advancement of Blood Pressure Measurement”</i></p> <p>Dr. Sanjay Verma <i>“Science and Technology Leads to Betterment of Human Race”</i></p> <p>Dr. Shah Raj Ali <i>“Solar Energy Storage Nanomaterials For Human Development”</i></p> <p>Mr. Shrangare Gaurav Bhagwandas <i>“A review on Role of Science and Technology for Human Development: Health Sector”</i></p> <p>Dr. Sudha Singhal <i>“The Role of Science & Technology in Social and Economic Development”</i></p> <p>Prof. Vinti Davar <i>“Nutrition and Human Development”</i></p>	
Chairperson	Mr. Suhas B Naik-Satam General Secretary, National Centre for Science Communicators and Programme Coordinator (Scientific), Nehru Planetarium
Chairperson	Dr. Biman Basu Former Editor, Science Reporter, New Delhi
Coordinator	Mrs. Ujjwala Tirkey DST, New Delhi
Poster Presentations Nos. 11 – 16	
<p>Dr. Rintu Nath <i>“Heterogeneous Model of Science Communication - ‘End Users’ to Participants”</i></p> <p>Dr. S. Paul <i>“Advanced EEG Recordings as Tools for Treating Brain Strokes”</i></p>	



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Dr. Simmi Modi Jain <i>“Application of Biofertilizers for Commercial Cultivation of Stevia rebaudiana as Cash Crop for Upliftment of Rural Population”</i>	
Mrs. Sinam Reema Chanu <i>“Geophysical imaging of the lake beds in Manipur”</i>	
Ms. Sudipta Chakraborty <i>“Science and Technology for Human Development”</i>	
Mr. Sunil Kumar Yadav <i>“Science and Technology in Removal of Hazardous Lead by Neem Leaves”</i>	
11.15 – 12.45	
INVITED LECTURES	
Venue	Jawaharlal Nehru Library
Chairperson	Dr. B. P. Singh Head, NCSTC, DST, New Delhi
Chairperson	Dr. Rajpal Hande BCUD Director, University of Mumbai and Local Secretary, ISC-2015
Coordinator	Dr. Anuradha Ghosh Majumdar Convener, 8 th SCM
Mr. Charusudan Kasturi , Asst. Editor, The Telegraph, New Delhi <i>“The Untapped Possibilities for Indian Science Communication using Online Tools”</i>	
Mr. Hans Desale , Associate Scientist II, ReceptosInc, USA <i>“Mass Communication and the Effects on Scientific Innovation”</i>	
Mr. Srinivas Laxman , Space Journalist, Formerly with the Times of India, Mumbai <i>“The Indian Mars Orbiter Mission: A Journalist’s Experience”</i>	
14.30 – 15.30	
INVITED LECTURES	
Venue	Jawaharlal Nehru Library
Chairperson	Dr. Gauhar Raza NISCAIR – CSIR, New Delhi
Chairperson	Dr. Madhu Paranjape Retired Associate Professor, Kirti College, Mumbai
Coordinator	Prof. Arun Kumar General Secretary (Scientific Activities), ISCA
Mr. S. K. Malhotra , Head, Public Awareness Division, Department of Atomic Energy, Mumbai <i>“Role of Communication in Managing Public Perception about Atomic Energy”</i>	
Dr. Asad Rahmani , Director, Bombay Natural History Society, Mumbai <i>“Importance of Science Communication for Conservation: Few Case studies”</i>	
Dr. Rohit Srivastava , Associate Professor, Biomedical Engineering Group, IIT, Mumbai <i>“Affordable Point of Care Diagnostics”</i>	

Venue for Sections

Position on Map	Venue	Sectional Programme / Symposia
a	Green Technology (GT-001, GT-101, GT-102, GT-10, GT-203 and GT-204)	Agriculture and Forestry Sciences, Chemical Sciences and Symposia
b	Nanosciences Centre, (NS-118, NS-115, NS-112 and NS-211)	Materials Science, Medical Sciences and Symposia
c	Sports Complex (SPC)	Symposia, Evening Lectures
d	Main Pandal (MP)	Inauguration, Symposia, Evening Lectures
e	Jawaharlal Nehru Library (Marshal Hall) (JNL-206)	Communicators' meet
f	C. D. Deshmukh Bhavan (Psychology Dept.) (CDD-009)	Anthropological and Behavioral Sciences
g	New Lecture Complex (NLH-001, NLH-002, NLH-003, NLH-104, NLH-105 and NLH-106)	Earth System Sciences, Engineering Sciences, Information & Communication Science & Technology and Environmental Sciences
h	Sant Dyneshwar Bhavan (DB-204)	Mathematical Sciences
i	Pheroza Shah Mehta Bhavan (PMB-9A)	Physical Sciences and Symposia
j	Tilak Bhavan Statistics (TBS-314)	Mathematical Sciences
k	Kavi Kusumagraj Bhasha Sankul (Marathi Bhasha Bhavan) (KKBS-101 and KKBS-001)	Women's Science Congress, Science Exhibition – "Genesis Seminar" and Symposia
l	Alkesh Dinesh Mody Institute for Financial and Management Studies (ADM and ADM-219)	Animal Veterinary and Fishery Sciences and Symposia
m	Shankar Rao Chavan Teachers Academy, (SC-114, SRC-346 SRC-120 and SRC-130)	Plant Sciences, New Biology and Symposia
n	MMRDA Pandal	Exhibition, Children Science Congress