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105th INDIAN SCIENCE CONGRESS
March 16-20, 2018, Manipur University
Imphal

Theme

**REACHING THE UNREACHED THROUGH
SCIENCE & TECHNOLOGY**

SECTIONAL PROGRAMME



Indian Science Congress Association

Kolkata



Manipur University

Imphal

SECTION		AGRICULTURE & FORESTRY SCIENCES
Sectional President	:	Dr. Surendra Kumar Singh , Director, ICAR-National Bureau of Soil Survey and Land Use Planning, Nagpur
Sectional Secretary	:	Prof. R.R. Pandey , Professor, Department of Life Sciences, Manipur University
Sectional Recorder	:	Prof. Neerja Agrawal , Head, Department of Entomology, Chandra Shekhar Azad University of Agriculture & Technology, Kanpur
17 March 2018		
10.00 – 16:00		
Sectional Committee Meeting		
Venue	:	Old Social Science (Faculty), Manipur Central University, Imphal
Presidential Address	:	Surendra Kumar Singh Director, ICAR-National Bureau of Soil Survey and Land Use Planning, Nagpur <i>Knowledge based Agriculture for Arresting Land Degradation, Combating Climate Change and Ensuring Food Security</i>
Platinum Jubilee Lecture	:	Himanshu Pathak , Director, ICAR-National Rice Research Institute, Cuttack, Odisha <i>Soil Management for Climate Resilient Agriculture</i>
Pran Vohra Award Lecture	:	Debarati Bhadhuri, Odisa <i>Improving agriculture sustainability through assessing soil quality and soil ecological health, and restoring problem soils.</i>
Prof S K Mukherjee Commemoration Lecture	:	Ashok Kumar Patra , Director, ICAR-Indian Institute of Soil Science, Nabibagh, Berasia Road, Bhopal <i>Enhancing Nitrogen Use Efficiency in India : Constraints and Strategies.</i>
Young Scientist Award Presentations	:	Parashuram Patroti , ICAR-Indian Institute of Millets Research, Regional Station, Solapur, Maharashtra
		Chaitanya Prasad Nath , Scientist, Crop Production Division, ICAR-Indian Institute of Pulses Research, Kalyanpur, Kanpur
		D. Vasu , Scientist, ICAR-National Bureau of Soil Survey and Land Use Planning, Amravati Road, Nagpur
		Rama Kant Dubey , Institute of Environment & Sustainable Development, Banaras Hindu University, Varanasi
		Jeyan Arthur Moses , Assistant Professor, Computational Modeling and Nanoscale Processing Unit, Indian Institute of Food Processing Technology (IIFPT), Ministry of Food Processing Industries, Govt. of India, Pudukkottai Road, Thanjavus, Tamil Nadu
		Esakkimuthu M. , Sr. Research Fellow, Tirunelveli, Tamil Nadu
Sectional Committee Election		

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18 March 2018		
10.00 – 16:00		
Venue	:	Old Social Science (Faculty), Manipur Central University, Imphal
Symposium : Knowledge Based Agriculture for Arresting Land Degradation, Combating Climate Change and Ensuring Food Security		
Invited Lectures	:	Saroj Kumar Sanyal , Former Vice-Chancellor, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal & Adjunct Professor, Indian Agricultural Research Institute, New Delhi <i>Nutrient Mining with Special Reference to Potassium in Soil-Crop Management Practices</i>
	:	Philippe Lagacherie , UMR LISAH Centre de Montpellier, Sols et Paysage, Bât.24 - 2 place Viala, Montpellier Cedex 2 – France <i>Digital Soil Mapping: State-of-the-art and Perspectives</i>
	:	K.V. Rao , Director, Centre for Plant Molecular Biology, Osmania University, Hyderabad <i>Development of Crop Plants Amenable to Changing Climatic Conditions</i>
	:	K. Jeevan Rao , Professor & University Head, Professor Jayashankar Telangana State Agricultural University, Department of Soil Science and Agricultural Chemistry, College of Agriculture, Rajendranagar, Hyderabad <i>Soils of Telangana and their Management</i>
	:	T. Satyanarayana , Director, South Asia Program, International Plant Nutrition Institute (IPNI), 354, Sector-21, HUDA, Gurgaon, Haryana. <i>Potassium Management for Mitigation of Biotic and Abiotic Stresses in Plants under Changing Climates</i>
	:	R.P. Yadav , Pr. Scientist & Head, Regional Centre, ICAR-National Bureau of Soil Survey and Land Use Planning, IARI Campus, New Delhi <i>Soil Resource Evaluation of Sirsa District, Haryana for Sustainability</i>

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		<i>of Cotton Production</i>
	:	S.K. Mahapatra , Pr. Scientist, Regional Centre, ICAR-National Bureau of Soil Survey and Land Use Planning, IARI Campus, New Delhi <i>Inventory of Soil Resources in Different Landscape Ecological Units of Cold Desert Himalayas – A Case Study</i>
	:	K. Das , Pr. Scientist, Regional Centre, ICAR-National Bureau of Soil Survey and Land Use Planning,, Salt Lake City, Kolkata <i>Nature and Distribution of Soil Acidity under Different Landscape Situations in Tangi Block of Khurda District, Odisha</i>
Symposium Invited Lectures/ Oral Presentations		
	:	Pradip Dey , Project Coordinator (AICRP-STCR), ICAR - Indian Institute of Soil Science, Nabibagh, Berasia Road, Bhopal <i>Inductive Approach of Nutrient Management for Realizing Sustainable Agri-horticultural Productivity and Maintaining Soil Health</i>
	:	Ashok K. Patra , Director, ICAR-Indian Institute of Soil Science, Nabibagh, Berasia Road, Bhopal <i>Soil Health : Promising Technologies to Save and Sustain</i>
	:	Anand P. Tyagi , Head of School, School of Pure Science, Faculty of Science (CEST), Fiji National University, Natabua Campus, Lautoka, Fiji <i>1. Agriculture in Fiji – Past, Present and Future</i> <i>2. Sugarcane (Saccharum officinarum) Variety Evaluation for Qualitative (biochemical) Characters in Fiji’s Sugarcane Cultivation Zones</i>
	:	P. Balasubramaniam , Head & Officer In-charge (AICRP on Salt affected soils), Department of Soil Science and Agricultural Chemistry, Anbil Dharmalingam Agricultural College and Research Institute, Tamil Nadu Agricultural University, Tiruchirappalli, Tamil Nadu <i>Changes in Soil Exchangeable Sodium and Productivity Crops due to Continuous Use of Alkali Water in Conjunction with Canal Water Under Rice– Vegetables Cropping Sequence in Calcareous Sodic Soils</i>
	:	P. Raja , ICAR-Indian Institute of Soil and Water Conservation, Research Centre, Udhamandalam, Tamil Nadu <i>Climate Smart Agriculture to Combat Land Degradation, Enhance Crop Productivity and Food Security in Water Stressed Arid Ecosystem, Thar Region, Western India</i>
	:	S.S. Hangaragi , Associate Professor, Dept. of Geography, S.R.N. Arts and M.B.S. Commerce College, Bagalkot, Karnataka State <i>Impact of Frequent Drought Occurrence on Sustainable</i>

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		<i>Development of Agriculture in Karnataka State During Recent Decades</i>
	:	P.D. Sreekanth , Senior Scientist, ICAR-National Academy of Agricultural Research Management, Hyderabad, Telangana State <i>Climate Smart Villages: GIS for Mera Gaon Mera Gaurav (My Village My Pride)</i>
	:	Vinay Mahajan , ICAR-Indian Institute of Maize Research, PAU Campus, Ludhiana, Punjab <i>Climate Change, Peri-Urban Stresses and Strategies to Increase Maize Production</i>
	:	Gouranga Kar , Principal Scientist, ICAR-Indian Institute of Water Management, Bhubaneswar, Odisha <i>Minimizing Water Footprints in Agriculture for Combating Climate Change and Ensuring Food Security</i>
	:	G.P. Obi Reddy , Pr. Scientist, ICAR-National Bureau of Soil Survey and Land Use Planning, Amravati Road, Nagpur <i>NBSS BHOOMI Geoportal for Land Resource Management and Smart Agricultural Land Use Planning</i>
	:	S. Chattaraj , Scientist, ICAR-National Bureau of Soil Survey and Land Use Planning, Amravati Road, Nagpur <i>Upscaling Soil Resource Information Through Geospatial Tools Based Data Mining Approach - A Case Study of Digital Soil Type Mapping in Goa State</i>
	:	Nirmal Kumar , Scientist, ICAR-National Bureau of Soil Survey and Land Use Planning, Amravati Road, Nagpur <i>Land Degradation Mapping Using Satellite Based Proxy Indicators</i>
	:	Yogesh Prasad Rajbhar , Professor Horticulture, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut, U.P. <i>Importance of Horticulture in Health Benefit and Value Addition Industry</i>
BEST POSTER PRESENTATION		
Concurrent Poster Session –I		

19 March, 2018		
10.00 – 16:00		

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Venue	:	Old Social Science (Faculty), Manipur Central University, Imphal
Symposium : Agro-ecoregion Based Approach of Land Resource Management – A Key Towards Doubling of the Farmers Income in India		
Invited Lectures	:	S.M. Virmani , Former Principal Scientist, International Crop Research Institute for the Semi-Arid Tropics (ICRISAT), House No. 811A, Road No. 41, Jubilee Hills, Hyderabad (Andhra Pradesh) <i>Doubling Farmer's Incomes: Importance of Natural Resource Base</i>
	:	S.P. Wani , Research Program Director – Asia and Director, International Crop Research Institute for the Semi-Arid Tropics (ICRISAT) Development Center, Patancheru, Hyderabad <i>Agroeco Region-based Crop Planning for Doubling Farmers Income</i>
	:	Praveen Rao , Vice Chancellor, Professor Jayashankar Telangana State Agricultural University, Hyderabad <i>Successful large-scale Implementation of Drip Irrigation in Small Holders Plots in India –Economics and Impact Assessment</i>
	:	T. Ravisankar , Group Director, Land Resources, Land Use Mapping & Monitoring Group (LRUMG), Remote Sensing Applications Area, National Remote Sensing Centre, ISRO, Hyderabad <i>Application of Ridge to Valley Principles in the Development of Rural Environment using Geospatial Tools</i>
	:	Sudarshan Dutta , Deputy Director, International Plant Nutrition Institute - South Asia (East India and Bangladesh) Program, Gurgaon, India <i>Balanced Nutrient Management through Nutrient Expert[®] Towards Soil Health Management Vis-a-Vis Doubling of Farmers Income</i>
	:	Mausumi Raychaudhuri , Sr. Scientist, ICAR-Indian Institute of Water Management, Chandrasekharpur, Bhubaneswar, Odisha <i>Water Resource Management – A Key towards Doubling Farmers' Income in India</i>
Invited Lectures/ Oral Presentations		
	:	Kulasekaran Ramesh , Principal Scientist (Agronomy), ICAR - Indian Institute of Oilseeds Research, Rajendranagar, Hyderabad <i>Agro-eco-region based Approach of Land Resource Management - A Key Towards Doubling of the Farmer's Income in India</i>
	:	U.K. Behera , Pr. Scientist, Division of Agronomy, Indian

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		<p>Agricultural Research Institute, New Delhi</p> <p><i>Integrated Farming Systems: A Powerful Tool for Enhancing Resource Use Efficiency, Sustainable Development of Small and Marginal Farmers, Climate Resilient Agriculture and Doubling the Farmers' Income in India</i></p>
	:	<p>S. Raychaudhuri, Pr. Scientist, ICAR – Indian Institute of Water Management, Chandrasekhapur, Bhubaneswar</p> <p><i>Wastewater Irrigation and Multi-Barrier Management Options for Safer Produce</i></p>
	:	<p>Sanjeev Kumar, IFS, Regional Chief Conservator of Forests, Van Bhawan, Hazaribag, Jharkhand</p> <p><i>Prospect of NTFPs and Agroforestry to the Rural Livelihoods of Jharkhand</i></p>
	:	<p>K. Kareemulla, Pr. Scientist, ICAR-National Academy of Agricultural Research Management, Hyderabad</p> <p><i>Agriculture and Forestry Research Infrastructure, Funding and Manpower in India</i></p>
	:	<p>Akula Kishan IFS (Rtd),, Hyderabad, Telangana</p> <p><i>Relevance of Silvicultural Systems in Forest Management</i></p>
	:	<p>Babu Abraham, National Bureau of Plant Genetic Resources, Research Station, Hyderabad</p> <p><i>Agati, Sesbania grandiflora(L) Poir a potential multipurpose tree taxa</i></p>
	:	<p>K.K. Chandra, Associate Professor, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas Central University, Bilaspur (CG)</p> <p><i>Present Status of Agroforestry in Non-Forest Area of Bilaspur Chhattisgarh and Likely Constraints in its Future Expansion</i></p>
	:	<p>K.S. Hooda, Principal Scientist (Plant Pathology), ICAR-Indian Institute of Maize Research, PAU Campus, Ludhiana</p> <p><i>Plant Biosecurity System of Australia and its Implications for India</i></p>
15.00 – 17.30	Concurrent Poster Session –II (PP051 – PP100)	

Parallel Session		
Venue		Old Social Science (Faculty), Manipur Central University,

		Imphal
Invited Lectures/ Oral Presentations		
	:	Nagarajan Govindan , Research Scholar, Department of Microbiology, School of Biosciences Periyar University, Salem, Tamil Nadu <i>Conversion of Cassava Starch Factory Solid Waste (Thippi) to Bio Manure Through Microbial Decomposition and its Used for Plant Growth and Yielding Ability</i>
	:	P. Sujatha , Assistant Professor, Dept of Seed Science and Technology, PJTSAU, Rajendranagar, Hyderabad <i>Biological Seed Coating of Pigeonpea: an Ecofriendly and Sustainable Approach for Productivity Enhancement</i>
	:	R. Mahender Kumar , Principal Scientist and PI of AICRIP (Agronomy), Crop Production Section, ICAR-Indian Institute of Rice Research, Rajendranagar, Hyderabad <i>Enhancing the Energy Efficiency of Different Crop Establishment Methods of Rice (Oryza sativa L.)</i>
	:	Shiva Dhar , Pr. Scientist, Division of Agronomy ICAR-Indian Agricultural Research Institute, New Delhi <i>Response of Wheat Varieties Under Nutrient Levels and Tillage Options in Irrigated Conditions</i>
	:	N. Sivaraj , Pr. Scientist, ICAR-NBPGR, Regional Station, Rajendranagar, Hyderabad <i>Assessing the Distribution of BalintaPesalu, a Landrace of Green Gram Using Maximum Entropy (MaxEnt) Modelling Approach</i>
	:	Dharam Paul Chaudhary , Pr. Scientist & Incharge, ICAR-Indian Institute of Maize Research, PAU Campus, Ludhiana <i>Comparative Protein Profiling of Normal and Quality Protein Maize</i>
	:	Tathir Ahmad Usmani , Jawaharlal Nehru University, New Delhi <i>Estimation of Crop Water Requirements of Rice by using Penman-Monteith Model</i>
	:	Soumitra Das , Director, Intl. Zinc Association, Community Centre, Pushp Vihar, New Delhi <i>Zinc in Food and Nutrition Security</i>
	:	T.J. Purakayastha , Pr. Scientist, Division of Soil Science & Agricultural Chemistry, ICAR-Indian Agricultural Research Institute, New Delhi <i>Role of Clay Minerals, Manuring and Cropping System on Stabilization of Carbon in Soil</i>

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	:	Sangeeta Ahuja , Scientist (S.S.), IASRI, New Delhi <i>Optimum cutting lengths and cutting diameters using RCDA algothm on growth and survival of patchouli plants in nursery</i>
	:	A. Zaman , Emeritus Professor, M S Swaminathan School of Agriculture, CUTM University, Paralakhemundi, Odisha <i>Growing Crops in Lowland Eco-System for Improving Water and Food Productivity</i>
	:	Kuldeep Singh , Emeritus Scientist, Amity University, Noida (U.P) <i>Assessment of the Impact of Zinc Oxide Nano particles on the Germination, Growth and Yield of Wheat</i>
	:	P. Bhuvanaswri , Department of Agronomy, Pandit Jawaharlal Nehru College of Agriculture and Research Institute, Karaikal, Union Territory of Puducherry <i>Aerobic Rice – A Revolutionary Way Towards Water Scarce Area</i>
Concurrent Poster Session –III		
General Discussion and Recommendations		

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SECTION	ANIMAL, VETERINARY AND FISHERY SCIENCES
Sectional President	Prof. Poduri Nagaraja Rao , Chairman, BOS and Professor (Retd), Osmania University, Hyderabad, Telangana
Local Sectional Secretary	Prof. R. K Gambhir Singh , Professor & Head, Department of Anthropology, Manipur University
Sectional Recorder	Dr. SiveshPratap Singh , HOD, Dept. of Zoology, Govt. P. G. College Satana (M. P.)

17 March,, 2018	
10.00 – 16:00:	
	: SECTIONAL COMMITTEE MEETING
Venue	: Life Science SeminarHall, Manipur Central University, Imphal
Presidential Address	: Poduri Nagaraja Rao , Chairman, BOS and Professor (Retd), Osmania University, Hyderabad, Telangana BIODIVERSITY AND MAN : A REVIEW
Invited Lecture	: Digvir Singh , .Vice-President (Research and International) and Distinguished Professor , 207 Administration Building , 66 Chancellors Circle University of Manitoba , Winnipeg, MB, Canada , R3T 2N2 <i>Current status of Biosphere, Biodiversity, Bio-resources and Bioprocesses in Sustainable Development</i>
Gouri Ganguly Memorial Award Lecture	: Biswajit Maiti, Mangalore <i>Outer membrane protein-based vaccines for fish aquaculture</i>
Young Scientist Award Presentations	: Priyanka Lal , Biochemical Adaption Lab, Department of Zoology, North-Eastern Hill University, Shillong Suman Kumari , Biochemical Adaptation Lab, Department of Zoology, North-Eastern Hill University, Shillong

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	<p>Moneesh Thakur, V.P.O. – Nangran, TEHSIL & DISTT-UNA (H.P.)(corresponding), Department of Veterinary Medicine, Faculty of Veterinary Science & Animal Husbandry, R.S. Pusa, SKUAST – Jammu</p> <p>Yashika Awasthi, Environmental Toxicology & Bioremediation Laboratory, Department of Zoology, University of Lucknow</p>
<p>⋮</p> <p>SECTIONAL COMMITTEE ELECTION</p>	

18March,, 2018	
10.00 – 16:00	
Venue	Life Science SeminarHall, Manipur Central University, Imphal
<p>Symposium</p> <p>1. Current status of Biosphere, Biodiversity, Bio-resources and Bioprocesses in Sustainable Development</p> <p>2. Food Security, Health Assurance and Economic Sustenance through research in Animal Sciences for the commoner.</p>	
Invited Lectures	<p>Meena Kumari Current status of Biosphere, Biodiversity, Bioresources and Bioprocesses in Sustainable Development</p>
	<p>Fahmida Sarkar Detection of Giardia and cryptosporidium among slum children of 14-19 months by real time multiplex PCR : Presence of pathogens in waste water and soil samples by Taqman array card system (TAC)</p>
	<p>Srinivas Pentyala <i>Rapid disease Biomarker detection methodologies for human and animal welfare</i></p>
	<p>Muralidhar Rao National Professor, HCU</p>
	<p>NeenaValecha, Director, NIMR, New Delhi <i>Vectors and vector born diseases:Their status and management.</i></p>

		Vijay Kumar, <i>Biodiversity : An ecological approach</i>
		P. Suresh <i>Importance of Animal Experimentation in Biomedical Research Ethics and Current Regulations in India</i>
Invited Lectures		Madhurima Chatterjee¹, Rohini Sreevathsa² and Uma Rao¹ <i>RNAi as a strategy for deciphering the biology and control of legume pod borer, Maruca vitrata infesting pigeonpea</i>
		Maniraj R, Pragya Mishra, Shweta Singh, Nikhil R. K, Uma Rao and Rohini Sreevathsa, <i>Biotechnological approaches for engineering resistance to the insect herbivore, Helicoverpa armigera in pigeonpea</i>
		J.S. Prasad and Dr. Someshkumar <i>Nematode diversity in rice ecosystem and their management</i>
		HALL - 2
Invited Lectures		
		Ashis Kumar Mukherjee <i>Venomomics and antivenomics of India cobra Najanaja venom: Failure to immuno-recognition of low molecular mass venom proteins by commercial polyvalent antivenom</i>
		Ajay Kumar Pandey <i>Dietary and hormonal manipulation in advancing maturation for quality seed production of Indian Major Carps and Catfishes</i>
		Ramanai Bai <i>Palani hills ethanobotanical conservation – An urgent need in today’s scenario</i>
		Asha Martin <i>Food Security : Why food safety matters?</i>

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	Prof. Sanjay Kumar Bharadwaj <i>An insight into chronobiology</i>
	Gyannadh <i>Certain diversity studies of spiders.</i>
BEST POSTER PRESENTATION	

19March,, 2018	
10.00 – 16:00	
Venue	Life Science SeminarHall, Manipur Central University, Imphal
Oral Presentations	
Concurrent Poster Session –I	

10.00 – 16:00	Parallel Session
Venue	Hall - 2
Invited Lectures	Vali Pasha <i>Subclinical Hypothyroidism: An emerging medical problem that need attention</i>
	Amita saxena <i>Diversity of ornamental fishes and their culturing methods</i>
	A K Singh <i>Breeding and propagation of Himalaya mahseer <i>Tor putitora</i> in India: issues, policies and consilience</i>
	Gulam Jeelani Dar, Hidayatullah Tak, Ruqeya Nazir, Shakil Ahmad Wani <i>Comparison of gastrointestinal nematode parasites of local and non-local Small ruminants of North and central Kashmir</i>
	Ananga Kumar Das, Shibani Panda and Tilottama Pattanaik <i>Underutilized bioresource as valuable poultry feed – step towards doubling farmer’s income</i>
Concurrent Poster Session –II	
General Discussion and Recommendations	

SECTION		ANTHROPOLOGICAL AND BEHAVIOURAL SCIENCES(INCLUDING ARCHAEOLOGY, PSYCHOLOGY, EDUCATION AND MILITARY SCIENCES)
Sectional President		Dr. Rakesh K. Srivastava , Retried H.O.D. (Psychology) A-403 Shree Vighnaharta CHS Ltd,Plot No. 10, Sector -2, Kharghar,Navi Mumbai, Maharashtra
Sectional Secretary		Prof. M.C. Arunkumar , Head, Department of Chemistry, Manipur University
Sectional Recorder		Dr. Meenal Dhall , Department of Anthropology,University of Delhi,Delhi
17 March, 2018		
10.00 – 16:00		
SECTIONAL COMMITTEE MEETING		
Venue	:	Anthropology Seminar, Manipur Central University, Imphal
Presidential Address	:	Rakesh K. Srivastava , Retried H.O.D. (Psychology), A-403 Shree Vighnaharta CHS Ltd,Plot No. 10, Sector -2, Kharghar,Navi Mumbai, Maharashtra <i>Issues in Ethnic Psychology of Tharu Tribals: Focus on reaching the unreached</i>
Platinum Jubilee Lecture	:	Rakesh Pandey , Department of Psychology, B.H.U., Varanasi <i>Explaining cultural diversity in subjective well-being: Issues and Challenges</i>
Foreign Scientist – Invited Lecture	:	Andreas M. Krafft , University of St. Gallen, Switzerland <i>The Nature and Cultural Sources of Hope – A comparison of young adults in Indian and German culture</i>
Young Scientist Award Presentations	:	Garima Saini , NIT Kurukshetra,Department of Humanites & Social Sciences,Kurukshetra Reetinder Kaur , Postdoctoral Fellow, Department of Anthropology,Panjab University,Chandigarh, Punjab Urvashi Gupta , Physiological Anthropology Laboratory,Department of Anthropology,University of Delhi, Delhi

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	<p>Monica Gautam, 61/10, Vishnupuri Colony, Nawabganj, Kanpur, U.P. Research Scholar in Psychology, D.A.V. College, Kanpur (CSJM University).</p> <p>Nilupher, Department of Anthropology, University of Delhi</p>
SECTIONAL COMMITTEE ELECTION	

18 March, 2018	
10.00 – 16:00	
Venue	Anthropology Seminar, Manipur Central University, Imphal
Symposium: Role of Behavioural Sciences in reaching the unreached	
Invited Lectures	<p>Ramadhar Singh, Distinguished Professor, Ahmedabad University</p> <p><i>Illusion of the phenomenon: The case of similarity-attraction link</i></p>
	<p>N. K. Saksena, Retired Principal & Professor of Psychology, P. P. N. College, Kanpur.</p> <p><i>Interdisciplinary understanding for interventions among behavioural scientists in reaching the unreached</i></p>
	<p>K. D. Kapoor, Retired Associate Professor & Head, Department of Psychology, P. P. N. College, Kanpur (U.P.).</p> <p><i>Role of behavioural sciences in reaching the unreached</i></p>
	<p>Vandana Sharma Professor & Head, Department of Psychology, Punjabi University, Patiala.</p> <p><i>Efficacy of raag bhairavi: Spiritual wellness perspective</i></p>
	<p>Upinder Dhar, Vice Chancellor, Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore (M.P.)</p> <p><i>Mental health care status: Challenges and coping strategies</i></p>
	<p>Gautam Gawali, Professor and Head, Department of Applied Psychology and Counseling Center, University of Mumbai, Vidyanagari, Mumbai.</p>

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		<i>Positive development of youth with disability: Conquering sense of inferiority</i>
		Meera Jayaswal , Professor of Psychology, University Department of Psychology, Ranchi University, Ranchi-834 008. (Jharkhand). <i>Reaching vulnerable school adolescents through anti- human trafficking campaign.</i>
		Narayanan Annalakshmi , Professor, Department of Psychology, Bharathiar University, Coimbatore. <i>Predictors of life satisfaction among young adults</i>
		Rekha Sinha , University Professor & Head, Department of Psychology, T. M. Bhagalpur University, Bhagalpur (Bihar). <i>Culture and socialisation in families</i>
		S. M. Makvana , Professor & Head, Department of Psychology, Sardar Patel University, Vallabhvedyanagar, Dist: Anand , Gujarat State. <i>Reaching-unreachable nurses service among organizational health</i>
		ManjuSingh , Head, Department of Psychology, Veer Kunwar Singh University, Ara. <i>Social environment and caste prejudice</i>
		Tarni Jee , President, Indian Psychological Association, P.G. Centre of Psychology, College of Commerce, Arts & Science Patna. <i>Disadvantaged segment of Indian society : Rural women</i>
		Habibullah Ansari , Associate Professor, Division of Psychology, A. N. Sinha Institute of Social Studies, Patna, Bihar, India. <i>Impact of poverty and deprivation on personality development and suitability of employment of youth in marginal sections in the era of globalisation</i>
		Rashmi Mishra , Department of Psychology, P.P.N. College, Kanpur. <i>Role of behavioural scientist in reaching the unreached: tribal groups</i>
		Rajeev Sharma , Indian Administrative Service, Special Secretary, P.W.D., Uttar Pradesh Government, Lucknow. <i>Mindfulness, dhyana and yoga – An analysis of yoga procedures and practices in order to promote mindfulness</i>

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		<i>or dhyana.</i>
		Abha Singh , Associate Professor & Head, Postgraduate & Research Department of Psychology, P.P.N. College, Kanpur, U.P., India <i>Role of behavioural scientists in enhancing well-being of farmers in rural india</i>
Invited Lectures/ Oral Presentations		
Parallel Session I		Presentation of Contributed Research Papers in Anthropology, Archaeology and Military Science
Parallel Session II		Presentation of Contributed Research Papers in Psychology and Education
BEST POSTER PRESENTATIONS		
Concurrent Poster Session –I		

19March, 2018		
10.00 – 16:00		
Venue		Anthropology Seminar, Manipur Central University, Imphal
Symposium: Role of Anthropology in reaching the unreached		
Invited Lectures		A. K. Kapoor , Former Vice Chancellor, Jiwaji University, Gwalior, At present Professor & Head, Department of Anthropology, University of Delhi, Delhi <i>Technology interventions and management in unreached people of east and west cost of India</i>
		Arup Ratan Bandyopadhyay , Professor, Department of Anthropology, University College of Science, Technology & Agriculture, University of Calcutta, 35, Ballygunge Circular Road, Kolkata <i>Reaching the unreached and tribal development: A brief discourse on combating childhood communicable diseases</i>
		Gautam K. Kshatriya , Professor, Department of Anthropology, University of Delhi, Delhi

		<p><i>Bisexual differences in the association of adiposity measures with the risk of hypertension among the tribes of Gujarat, india</i></p>
		<p>C. Margabandhu, Director,A.S.I. (Retired),116, Venus Apatment, P.O. Sundar Vihar,New Delhi</p> <p><i>Kushana objects of everyday use as revealed from sanghol excavations a concise presentation of the significant finds forming part of the final report</i></p>
		<p>S. Gregory & A. Manojkumar Dean, Faculty of Social Sciences and Former Head, Department of Anthropology, Kannur University.</p> <p><i>Reaching the unreached through innovative interventional strategies:The case of community social workers for tribal development in Kerala</i></p>
		<p>Manoj Kumar Singh, Department of Anthropology, University of Delhi, Delhi.</p> <p><i>Earliest evidence of culture in Europe</i></p>
		<p>Ajeet Jaiswal, Assistant Professor, Department of Anthropology, Pondicherry University, Puducherry</p> <p><i>An anthropological investigation on effect of domestic cooking fuel on the health of non- smoking women of Uttar Pradesh, India</i></p>
		<p>Jakka Parthasarathy, Retired Director, Tribal Research Centre, Ooty, 7/9, 18th main, MEI Layout, Nagasandra Post, Bengaluru</p> <p><i>Anthropology and denotified communities : Social reflections from Karnataka</i></p>
		<p>Jayamma H. R., Professor & Chairperson, Department of Education, Jnana Bharathi Campus, Bangalore University, Bangalore.</p> <p><i>A study of teachers stress among the secondary school women teachers of Bangalore district</i></p>
		<p>Ashok Kumar Mukherjee, Management Consultant20, Debendra Ganguly Road, Howarh</p> <p><i>Corporate ethics and productivity outcome of assertive emotional intelligence</i></p>
		<p>Kailash Pd. Yadav & Gulab Devi*Head, University Department of Psychology, B.N. Mandal University, Madhepura (Bihar). *Social Activist, G.T. Road, Arurangabad (Bihar).</p>

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		<i>Psychological problems of school children</i>
		S. John Michael Raj , Former Professor, Department of Psychology, Bharathiar University, Coimbatore. <i>Personality orientations and marital satisfaction</i>
		Abhaya Kumar Srivastav , Department of Military Studies, D.A.V. College, Kanpur. <i>India-China military standoff: Implications on regional security</i>
		Akhila Nand Pathak , Former Head, Department of Psychology & D. S. W.S. K. M. University, Dumka (Jharkhand). <i>Socio-economic status of schedule tribe (santhal) and primitive tribe (paharia)</i>
		Puneet Gawali , B.E.Computer (Ethical Hacking), Network & IT Integrator, B/12, Academic Staff Quarters, University of Mumbai, Vidyanagari., Mumbai <i>Cyber-security: Socio ethical concern</i>
		Alka Agarwal , Psychologist & Skill-Trainer, Agarwal Company, 1 st Floor, 13, Shivaji Marg, Lucknow <i>Traditional family ideology and identity style of rural adolescents</i>
Invited Lectures/ Oral Presentations		
Parallel Session I		Presentation of Contributed Research Papers in Anthropology, Archaeology and Military Science
Parallel Session II		Presentation of Contributed Research Papers in Psychology and Education
Concurrent Poster Session –II		
General Discussion and Recommendations		

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SECTION		CHEMICAL SCIENCES
Sectional President	:	Prof.K.S.Rangappa , Distinguished Professor, Institution of Excellence, Vijnana Bhavan, University of Mysore, Manasagangotri, Mysore (Karnataka)
Sectional Secretary	:	Prof. R.K. Lonibala , Head, Department of Computer Science, Manipur University
Sectional Recorder	:	Dr.R.K.P.Singh , Professor, Department of Chemistry, University of Allahabad, Allahabad (U.P.)
17 March,, 2018		
10.00 – 16:00		
SECTIONAL COMMITTEE MEETING		
Venue	:	Chemistry Lecture Hall
Presidential Address	:	K.S.Rangappa , Distinguished Professor, Institution of Excellence, Vijnana Bhavan, University of Mysore, Manasagangotri, Mysore Karnataka) <i>Drug Discovery: Innovation And Developments In Chemical Biology</i>
Platinum Jubilee Lecture	:	Dalip Kumar , Department of Chemistry, Birla Institute of Technology and Science, Pilani <i>Chemical design and efficient syntheses of drug-like heterocycles: identification of novel anticancer agents</i>
R C Shah Memorial Lecture	:	Basappa , Manasagangotri <i>Development of novel inhibitors targeting heparanase, JAK-STAT pathway, and TNF - α in hepatocellular carcinoma</i> .
Dr. B.C. Deb Memorial Award for Soil/ Physical Chemistry		Md.Sayem Alam , Chennai <i>Amphiphiles : Fundamental and Applications</i>
Young Scientist Award Presentations	:	Gagandeep Kour Reen , School of Chemical Sciences, Devi Ahilya Vishwavidyalaya, Takshashila Campus, Indore (M.P.) Ujla Daswani , School of Chemical Sciences, Devi Ahilya Vishwavidyalaya, Khandwa Road, Indore

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	<p>Swapnil Tiwari, School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, Chhatisgarh</p> <p>Dr. Anamika Singh, Research Scholar, Govt. Model Science College, Q. N. 7/12, TiT Colony, Sanjay Gandhi Nagar, Kanchghar Chowk, Jabalpur (M.P.)</p> <p>Manoj Kumar Banjare, School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur</p> <p>Asma, Research Scholar, Department of Studies in Chemistry, Mangalore University, Mangalagangothri, Mangalore, Karnataka</p>
SECTIONAL COMMITTEE ELECTION	

18 March, 2018	
10.00 – 16:00	
Venue	Chemistry Lecture Hall
Invited Lectures	
	<p>K. N. Thimmaiah, Departments of Chemistry and Computer Science, Northwest Mississippi Community College, Desoto Center, Southaven, Mississippi, USA</p> <p><i>Targeting Of Pi3-Kinase/Akt/Mtor/P70s6/S6 Signaling By Novel Phenoxazines Induces Massive Apoptosis In Rhabdomyosarcoma Cells</i></p>
	<p>Peter E. Lobie, Tsinghua Berkeley Shenzhen Institute, Tsinghua University Graduate School At Shenzhen, Shenzhen, Guangdong, P.R.China</p> <p><i>A Novel Small Molecule Inhibitor Of Dimeric Tff3 For Use In Oncology.</i></p>
	<p>R.N. Yadava, Department of Chemistry. Dr. Hari Singh Gour Vishwavidyalaya Sagar (A Central University) Sagar, (M.P.) India</p> <p><i>Allelopathic Effects Of Allelochemicals From Some Indigenous Medicinal Plants</i></p>
	<p>Basappa, Laboratory of Chemical Biology, Department of Studies in Organic Chemistry, University of Mysore, Manasagangothri, Mysore, India.</p> <p><i>Development Of Novel Inhibitors Targeting Heparanase,</i></p>

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	<i>Jak-Stat Pathway, And Trf⁺ In Hepatocellular Carcinoma</i>
	Nagaraj Nagathihalli , Sylvester Comprehensive Cancer Center, University of Miami School of Medicine, Miami, FL, USA <i>Overcoming Drug Resistance: New Ways Of Treating Cancer</i>
	Alexey Yu. Sukhorukov , N. D. Zelinsky Institute of Organic Chemistry, Leninsky prospect, 47, Moscow, Russia <i>Nitrogen-Oxygen Systems As Versatile Energy-Rich Intermediates In Organic Synthesis</i>
	Yulia A. Volkova , N. D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, 47 Leninsky prosp. Moscow, Russia <i>Functionalized Extranuclear Heterosteroids: Synthesis And Anticancer Activity</i>
Oral Presentations	
BEST POSTER PRESENTATIONS	
Concurrent Poster Session –I	

19March,, 2018		
10.00 – 16:00		
Venue		Chemistry Lecture Hall
Invited Lectures		

	<p>Mohan C D, Department of Studies in Chemistry, University of Mysore, Manasagangotri, Mysore, India.</p> <p><i>Novel Azaspirane Induces Apoptosis Of Hepatocellular Carcinoma Cells By Inhibiting The Jak-Stat Pathway</i></p>
	<p>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</p> <p><i>Monitoring Of Toxic Heavy Metals In Suva, Fiji For Health Risk Assessment</i></p>
	<p>Wilson Maeaba, School of Biological and Chemical sciences, Faculty of Science, Technology and Environment, The University of the South Pacific, Suva, Fiji</p> <p><i>First Assessment Of Heavy Metals Contamination In Road Dust And Roadside Soil Of Suva City, Fiji</i></p>
	<p>Kempegowda Mantelingu, Department of Studies in Chemistry, University of Mysore, Manasagangotri, Mysuru, Karnataka, India.</p> <p><i>Applications Of T3p And Iodine In Synthesis Of Natural Products And Bioactive Molecules</i></p>
	<p>M.P.Sadashiva, DOS in Chemistry, Manasagangotri, University of Mysore, Mysuru</p> <p><i>Development Of A Facile Method For The Synthesis Biologically Significant 4-Quinolones</i></p>
	<p>Bhaskar Chakraborty, Organic Chemistry laboratory, Sikkim Government College, Gangtok, Sikkim</p> <p><i>Synthesis Of Some Novel Class Of Isoxazolidine & Isoxazoline Derivatives Using Some Novel Class Of Nitrones Via 1,3-Dipolar Cycloaddition Reaction Using Greener Methodologies</i></p>
	<p>Chunduri Venkata Rao, Department of Chemistry, Sri Venkateswara University, Tirupati.</p> <p><i>Synthesis Of Thienopyrimidine Conjugates By Multis Reactions - Their Biological Activities</i></p>
Oral Presentations	
Concurrent Poster Session –II	
General Discussion and Recommendations	

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SECTION		EARTH SYSTEM SCIENCES
Sectional President		Prof Devesh Walia , Professor (Geology) & Head, Department of Environmental Studies, North-Eastern Hill University, Mawkynroh, Shillong
Sectional Secretary		Prof. R.A.S. Kushwaha , Head, Department of Earth Sciences, Manipur University
Sectional Recorder		Dr Rimjhim Bhatnagar Singh , 4001, Space Applications Centre, Indian Space Research Organisation, Ahmedabad
17 March, 2018		
10.00 – 16:00		
SECTIONAL COMMITTEE MEETING		
Venue	:	Earth Science/ Old Court Hall
Presidential Address	:	Devesh Walia <i>Global Climate Change: Strategies And Modalities</i>
Platinum Jubilee Lecture	:	Rakesh K Bajpai <i>Technological Advances In The Back End Of The Nuclear Fuel Cycle For Safe Geological Disposal Of Nuclear Waste</i>
Young Scientist Award Presentations	:	Rupal Dubey , Micropaleontology Laboratory, Geological Oceanography Division, National Institute of Oceanography, Dona Paula, Goa. Pratima Gupta , Department of Chemistry, Faculty of Science, Dayalbagh Educational Institute (Deemed University), Dayalbagh, Agra
Invited Lecture	:	Ivan Varentsov <i>Advances In Simultaneous Magnetotelluric And Magnetovariational Studies In Deep And Prospecting Applications</i>
SECTIONAL COMMITTEE ELECTION		

18 March, 2018		
10.00 – 16:00		
Venue	:	Earth Science/ Old Court Hall

Symposium	
Invited Lectures:	Harsh K Gupta , <i>Continued Artificial Water Reservoir Triggered Earthquakes At Koyna, India</i>
	V. P. Dimri , <i>Multifractal Study For 2015 Gorkha Earthquake Sequence</i>
	R C Ramola , <i>A Review Of Various Precursors In Earhtquake Forecasting</i>
	Sudesh Kumar Wadhawan , <i>Skilling India For Advances In Geosciences And Resourcing Future Generations – Challenges And Opportunities</i>
	Tapan Misra , <i>Geosciences Applications For Societal Benfits In Unreached Areas: Retrospect And Prosects Of Indian Space Mission</i>
	R. B. Singh , <i>Geospatial Technology And Geoscience For Disaster Risk Reduction: Indian Exeprience</i>
	Santanu Mukherjee , <i>Geochemistry Of Organic Contaminants In Biopurification Systems</i>
	Santosh Kumar , <i>Petrochronology Of Granitoids And Enclaves From Ladhakh Batholith, Trans-Himalaya, India</i>
	N V Chalapathi Rao , <i>Nature Of Sub-Continental Lithospheric Mantle Beneath The Nw India: New Insights From The Lamprophyres Of Deccan Large Igneous Province</i>
	M R Ramesh Kumar , <i>Has The Air Sea Fluxes Over The North India Changed During Recent Decades?</i>
	Rajiv Thakur , <i>Nature, Commodification And Governance: Evidence From North American Landscae</i>
	Onkar S. Chauhan , <i>A High-Resolution Three Millenium Marine Record Of Monsoon Variability</i>
	P B Sarolkar , <i>Geothermal Resources In India</i>
	Som Kumar Sharma , <i>Investigation Of The Earth's Atmosphere Using Lidar: Indian Perspective</i>
Niloy Khare , <i>Good Practices In Science 'The Ethics'</i>	
BEST POSTER PRESENTATION Concurrent Poster Session –I and First Industry Academia Meet	

19March, 2018	
10.00 – 16:00	
Venue	Earth Science/ Old Court Hall
Symposium	
Invited Lectures	Rana Pratap , <i>Resourcing Future India With Special Reference To Mineral And Energy Resources</i>
	A K Sarangi , <i>Uranium Towards Clean Energy: Resources</i>

		<i>And Production Potential In India</i>
		G. Parthasarthy , <i>Mineral Chemistry For Society And Sustainable Development</i>
		Kishor Kumar , <i>Consequences Of Mismanaging Himalayan Slopes</i>
		Bichitra kalita , <i>Two Unreached Directions Of Chemical And Mathematical Sciences</i>
Invited Lectures/ Oral Presentations (Three Parallel Sessions)		
Technical Session I: Geophysics and Seismology		
Venue :		
		N. Sridhar , <i>Thermal Remote Sensing And Earthquake Prediction</i>
		Ravindra Rasal , <i>Resemblance Between Non Seismic Precursors Of Major Earthquakes And Gravitational Waves</i>
		Priyamvada Singh , <i>Attenuation Of Coda Waves In Northeast Himalyas, India</i>
		V S Sharma , <i>Significance Of Electrical Resistivity Imaging (Eri) And Studies On Sub-Surface Stratal Architecture, Environment And Seawater Intrusion</i>
		D Shashidhar , <i>Main Shock Rupture And Aftershock Distribution Based On The Precise Hypocentres And Focal Mechanism Distributions</i>
Poster Presentation – 26/P to 34/P		
Technical Session II: Petrology and Geochemistry		
Venue:		
		Ch. Narshimha , <i>Characterisation Of Perthites In Punugodu Granite Pluton, Prakasam District, Andhra Pradesh: Implications For High Temperature Magmatic Pulse</i>
		P. V. Sunder Raju , <i>X-Ray Diffraction Pattern Of Comositionally Different Chrome Rich Spinel's</i>
		M S Kalpana , <i>Organic Geochemistry Of Barakar Shales, Wardha Basin: Implications For Source Rock Potential And Paleo-Deposition Conditions</i>
		C. Manikyamba , <i>U Enrichment And Th/U Fractionation In Archean Boninites: Implications On Paleo-Ocean Oxygenation And U Cycling At Juvenile Subduction Zones</i>
		R. Mallikarjuna Reddy , <i>Mid-Proterozoic Miaskitic Alkaline Rocks With Shoshonitic Affinities From Cuddapah Intrusive Province, South India</i>
		R. Pavanaguru , <i>Gold Mineralization In The Wadionib Area, Red Sea Hills, Sudan</i>
		Smruti Rekha Sahoo , <i>Application Of Cross Association And Markov Chain For Cyclicity Analysis In A Lithostratigraphic Sequence: A Case Study From The Proterozoic Kolhan Basin, Jharkhand</i>

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		Arubam C. Khelem , <i>Geochemical Studies Of Proterozoic Stromatolitic Carbonates Of Vempalle Formation Of Cuddapah Basin: Implication On Their Paleo-Depositional Condition</i>
Poster Presentation – 45/P To 75/P		
Technical Session III: Remote Sensing – LIDAR And Satellite Imageries		
Venue :		
		Ajai , <i>Monitoring, Assessment And Combating Desertification Using Space Data</i>
		P S Dinwa , <i>Model For Identifying Areas Vulnerable To Desertification Using Fuzzy Membership Analysis And Geospatial Techniques – A Case Study Of Kota District, Rajasthan</i>
		Shaikh Saba , <i>An Overview Of Spectral Signature And Image Resolution Identification Techniques In Optical Remote Sensing</i>
		M A Shaikh , <i>Microwave Synthetic Aperture Radar Image Analysis</i>
		Mohammed Zeeshan , <i>An Overview Of Hyperspectral Image Analysis Techniques For Mineral Exploration For Eo-1 Hyperion And Chandrayaan-1 Hysi Images</i>
		Newton Mohanta , <i>Detection Of Sea-Breeze Over East-Coast Of India Using Insat-3d And 3dr Sounder Dataset</i>
		Rimjhim Bhatnagar Singh , <i>Lidar Applications In Oceanography-An Overview On Possibilities</i>
Poster Presentation – 85/P to 99/P		
Concurrent Poster Session –II		
Venue		Earth Science/ Old Court Hall
Symposium		
		Dewashish Kumar , <i>Integrated Geophysical And Geological Studies For Ni – Cu- Pge Sulphide Mineralisation In Betul Fold Belt And Bastar Craton, Central India</i>
		R. Dhana Raju , <i>Geoscience And Geotechnologies For Societal Needs</i>
		D. K. Sinha , <i>Uranium Potential Of Singhbhum Shear Zone: New Concets</i>
		T N Jowhar , <i>Diffusion Modelling Studies In Minerals And Its Geological Applications</i>
		A K Sinha , <i>Taping Groundwater Resources For Sustainable Food And Drinking Water Supply In Arid To Semi Arid Regions: An Overview From Western India</i>

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		S P Sati , <i>Aspects Of Hydropower Dilema In Uttarakhand: A Geoenvironmental Perspective</i>
Invited Lectures/ Oral Presentations (Three Parallel Sessions)		
Technical Session IV and VII: Energy and Mineral Resources and General Earth Systems		
Venue:		
		Markand Oza , <i>Geovisualisation On Earth</i> Dr K L Shrivastava , <i>Observation Data With Special Reference To Energy Resources</i>
		<i>On Search Economic Potential Of Malani Granites At Northeast Of Jodhpur, Rajasthan</i>
		K L Shrivastava , <i>An Assessment Of Malani Granites At Binawas And Kaparda For Search Of Economic Mineralization</i>
		S Rajesh , <i>Presence Of Coal Below The Deccan Traps In The Nw Part Of Dorli Area, Pranhita- Godavari Valley Gondwana Basin, Adilabad District, Telangana, India</i>
		R Baskar , <i>Cave Geomicrobiology In India: Opportunities And Challenges</i>
		Sandipan Chakraborty , <i>Use Of Mobile Mapping Technologies In Road Infrastructure</i>
Poster Presentation – 85/P to 99/P and 173/P to 188/P		
Technical Session V: Hydrology and Climate Change		
Venue :		
		Vrushali V. Shimpi , <i>Water Clarification Using Moringaoleifera (Drumstick) Seed As A Natural Coagulant</i>
		M. Venkateshwarlu , <i>Ground Water Quality Assessment In Kandlakoya Village By Chemical Methods</i>
		G. Praveen Kumar , <i>Characterization Of Aquifers In Archean Terrains Of Bommala Ramaram And Budhan Pochampalli Areas Of Nalgonda District, Telangana State</i>
		S. Padmaja , <i>Ecotope Analysis For Long Range Sustainability- A Study Of A Few Ecotopes In Semi Arid And Sub Humid Telangana Plateau Of Indian Subcontinent</i>
		Janardan Bhagt , <i>Indian Border Dispute On Karakoram Tracts, Sikkim & Johnson Line</i>
Poster Presentation – 119/P to 145/P		
Technical Session VI: Natural Hazards and Disaster Management		
Venue:		

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		Bindhy Wasini Pandey , <i>Slope Vulnerability, Mass Wasting And Geohydrological-Hazards In Himalaya: A Case Study Of Alaknanda Basin, Uttarakhand</i>
		B. Srinagesh , <i>Natural Hazards And Its Impact– An Indian Experience</i>
		C. P. Suresh , <i>Deforestation: Natural Disaster Invited- Cause, Effect And Mitigation</i>
		Rameshwar Prasad Singh , <i>Problem Of India's Wealth: A Case Study</i>
		Sanjay Singh Chauhan , <i>Epidemic Scenario Of Hiv/Aids In India- Case Study A Medical Geography</i>
Poster Presentation – 150/P to 152/P		
General Discussion and Recommendations		

SECTION		ENGINEERING SCIENCES
Sectional President		Dr. Arunkanti Biswas , Former Deputy Director and Head Jaipur, Kolkata NEERI Zonal Laboratory. Member, SEAC (2013-16) & Member, DST, WB, Visiting Expert, SWRE, Jadavpur University, Kolkata
Sectional Secretary		Prof. R.K. Hemakumar Singh , Principal i/c Manipur Institute of Technology, Manipur University
Sectional Recorder		Mr. Samiran Ghosh , Deputy Chief Engineer (Civil), The Kolkata Municipal Corporation, Planning and Development Department, 19, Nelli Sengupta Sarani, 3 rd Floor, West Block, Kolkata
17 March, 2018		
10.00 – 16:00		
SECTIONAL COMMITTEE MEETING		
Venue	:	MUTA Lecture Hall, Manipur Central University, Imphal
Presidential Address	:	Arun Kanti Biswas , Jadavpur University, Kolkata <i>Rejuvenation of River Ganga using pro-people Technology</i>
Platinum Jubilee Lecture	:	Sukumar Mandal , Refinery R&D Centre, RIL, Jamnagar Sisir Kumar Banerjee Immediate Past President, Section on Engineering Sciences, ISCA & President, The Institution of Engineers (INDIA)
Invited Lecture		
Young Scientist Award Presentations	:	Parul Puri ; Department of Electronics and Communication Engineering, Juaypee Institute of Information Technology, Noida Gujjala Raghavendra , Assistant Professor, Department of Mechanical Engineering, National Institute of Technology Warangal, Warangal, Telengana Gourab Banerjee , Senior Research Fellow, School of Water Resources Engineering, Jadavpur University, Kolkata Prosenjit Das , Scientist, Center for Advanced Materials Processing, CSIR- Central Mechanical Engineering Research Institute, Mahatma Gandhi

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	Avenue, Durgapur (W.B.)
SECTIONAL COMMITTEE ELECTION	

18March, 2018	
10.00 – 16:00	
Venue	MUTA Lecture Hall
Symposium	
Invited Lectures	<p>Bilqis Amin Hoque Director of Research, Environment and Population Research Centre-EPRC And Adjunct Professor, Environmental Health Dept. Rollins School of Public Health, Emory University, Atlanta, USA</p>
	<p>Swami (Dr) Vedajnananda Professor, Chemical Engineering, Heritage Institute of Technology,</p>
	<p>Pankaj Kumar Roy Associate Professor & Joint Director School of Water Resources Engineering Jadavpur University</p>
	<p>. Upendra Narayan Nandi, Department of Physics, Scottish Church College,</p>
	<p>Sanjay Nag Assistant Professor, Hooghly Engineering & Technology College</p>
Invited Lectures/ Oral Presentations	
Concurrent Poster Session –I	

19March, 2018	
10.00 – 16:00	
Venue	MUTA Lecture Hall , Manipur Central University, Imphal
Symposium	
Invited Lectures	
	<p>Nilangshu Bhusan Basu Technical Advisor, KMC</p>

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	Pradosh Prasad Chakrabarti Principal Scientist CSIR-Indian Institute of Chemical Technology
	Krishna Kumar Agrawal, Chairman, M/s K. K. Agrawal & Associates Pvt. Ltd.
	Asis Mazumdar, Director & Professor, School of Water Resources Engineering Jadavpur University
Invited Lectures/ Oral Presentations	
	Samir Kumar Bandyopadhyay Professor, University of Calcutta
	Prabir Kumar Raychaudhuri Director and Chief Regional Coordinator, PCRA-Eastern Region, Past Engineering Science President ISCA
	Ramakrishna A, Head (Research Appliances), Defense Food Research Laboratory, DRDO,
Concurrent Poster Session –II	
General Discussion and Recommendations	

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SECTION	:	ENVIRONMENTAL SCIENCES
Sectional President	:	Dr. Subrat Sharma , Head, Climate Change, G.B. Pant National Institute of Himalayan Environment & Sustainable Development, Kosi-Katarmal, Almora (Uttarakhand)
Sectional Secretary	:	Prof. R. Varatharajan , Professor, Department of Physics, Manipur University
Sectional Recorder	:	Mr. SauravSnehvrat , Indian Institute of Management (IIM), “Suchana Bhawan”, Audrey House Campus, Meur’s Road, Kanke Road, Ranchi
17 March, 2018		
10.00 – 16:00		
Venue	:	Environmental Science Department Lecture Hall, Manipur Central University, Imphal
Presidential Address	:	Subrat Sharma , G.B. Pant National Institute of Himalayan Environment & Sustainable Development Kosi-Katarmal, Almora (Uttarakhand) <i>Climate Change, Natural disasters and People – Role of Citizen Science in Preparedness</i>
Platinum Jubilee Lecture	:	PK Joshi , Professor, School of Environmental Sciences, Jawahar Lal Nehru University, New Delhi <i>The Himalayan socio-ecological system – Current understanding and future perspectives</i>
Young Scientist Award Presentations	:	Bharath Haridas Aithal , Ranbir and Chitra Gupta School of Infrastructure Design and Management, IIT Kharagpur, West Bengal Nadan Shamraja S. , Department of Chemical Engineering, Institute of Chemical Technology, Matunga (E), Mumbai Debasis Golui , Scientist, Room No. 11, Division of Soil Sc. & Agril. Chemistry, ICAR-IARI, Pusa Campus, New Delhi Remya. R. , Research Department of Zoology, Sanatana Dharma College, Alappuzha, Kerala
SECTIONAL COMMITTEE ELECTION		

18 March, 2018

<i>Invited Lectures / Oral Presentations</i>	
<i>TWO PARALLEL SESSIONS</i>	
10.00 – 16:00 Symposium I - CITIZEN SCIENCE	
Venue	: Environmental Science Department Lecture Hall
Invited Lectures	<p>P. S. Roy, University of Hyderabad, Hyderabad</p> <p><i>Dynamics and determinants of land change in India: integrating satellite data with village socio-economics</i></p>
	<p>N. H. Ravindranath, Indian Institute of Science, Bangalore, Karnataka</p> <p><i>Understanding impact changing climate on forest ecosystem – a citizen science based research</i></p>
	<p>M.V.S.S. Giridhar, JNT University, Hyderabad</p> <p><i>Citizen science for conservation urban fresh water bodies</i></p>
	<p>Lok Man S. Palni, Raghu Saxena, Sher S. Samant, Ranbeer S. Rawal and Kaushal K. Singh, Graphic Era University, Dehradun, Uttarakhand</p> <p><i>Promotion of citizen science in the Indian Himalayan region</i></p>
	<p>Pranab J. Patar, Earthwatch Institute India, Gurgaon, Haryana</p> <p><i>Citizen science in action: the earthwatch experience</i></p>
	<p>Atul Kumar Agarwal, Central Building Research Institute, Roorkee</p> <p><i>Youth-focused citizen science: importance of developing scientific temper for sustainable development</i></p>
Oral Presentations	<p>Pankaj Tewari and K. Bisht, Central Himalayan Environment Association, Nainital, Uttarakhand</p> <p><i>Strengthening of van panchayats for promotion of appropriate technologies and carbon forestry through citizen science</i></p>
	<p>G.S. Pujar, K.M. Reddy, T. Ravisankar, Stutee Gupta, M.A. Fyzee, B. Shyamsunder, P.V.N. Rao, Y.V.N. KrishnaMurthy, National Remote Sensing Centre, Hyderabad, Telangana</p> <p><i>GeoMGNREGA: a citizen science solution for effective</i></p>

		<i>implementation of rural development scheme in India – an overview</i>
		Stutee Gupta, Sneha Pandey, Megha Shruti, Subhashish Chand Kaushik, Himanshu Bargali, Sarnam Singh , National Remote Sensing Centre, Telangana, Hyderabad <i>Enumerating backyard biodiversity and facilitating taxonomic learning in an urban environment- a demonstration using citizen science</i>
		Rana Pratap Singh , BabasahebBhimrao Ambedkar University, Lucknow, Uttar Pradesh <i>Role of citizens in developing ecological agriculture as resilient measure to combat impacts of climate change</i>
Concurrent Poster Session I - Poster P01– P11		
Venue-Principal Office, University College of Science		
Symposium II - HIMALAYAN ENVIRONMENT		
Venue	:	Environmental Science Department Lecture Hall
Invited Lectures		David Molden and Eklabya Sharma , International Centre for Integrated Mountain Development, Kathmandu Nepal <i>Importance, Challenges and Resilience Building in the Hindu Kush Himalaya</i>
		S.P. Singh , Central Himalayan Environment Association, Mallital, Nainital, Uttarakhand <i>Himalayan treeline ecotone an assemblage of physiognomic types: Beyond a landmark</i>
		P.P. Dhyani , SGRRY University, Dehradun <i>Himalayan biodiversity and changing climate - Implications for conservation and livelihoods</i>
		Uma Melkania and Deepa Pandey , G.B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand <i>An integrated approach for sustainable development of Himalayan Environment</i>
		Ranbeer S. Rawal , G.B. Pant National Institute of Himalayan Environment & Sustainable Development, Kosi-Katarmal, Almora, Uttarakhand

	<p><i>Climate change perspectives of Biosphere Reserves in Indian Himalayan Region</i></p>
	<p>B. P. Mishra, Mizoram University, Aizawl, Mizoram</p> <p><i>Biodiversity conservation strategies: Ecological investigation on plant diversity in core zone and buffer zone of Nokrek Biosphere Reserve in Meghalaya, North-East India</i></p>
	<p>Amit Pande and Ankur Saxena, ICAR-Directorate of Coldwater Fisheries Research, Bhimtal, Uttarakhand</p> <p><i>Innovative tool for the detection of viruses in coldwater fish of Himalaya</i></p>
	<p>Sudip Mitra, Centre for Rural Technology, IIT, Guwahati</p> <p><i>A comparative study to evaluate the roles of amendment and land use on nutrient and enzyme mobilization in earthworm casts produced in soils of Himachal Pradesh</i></p>
	<p>Indra D. Bhatt, S.K. Nandi and P.P. Dhyani, G.B. Pant National Institute of Himalayan Environment and Sustainable Development Kosi-Katarmal, Almora, Uttarakhand</p> <p><i>Approaches for conservation and sustainable utilization of threatened and high value Himalayan medicinal plants</i></p>
	<p>Mukunda Dev Behera and Saroj Kumar Barik, Centre for Oceans, Rivers, Atmosphere and Land Sciences, IIT, Kharagpur</p> <p><i>On the rotation and alternation of shifting cultivation - an investigation in ne India using past 45-years satellite imageries</i></p>
	<p>C. P. Singh and Jakesh Mohapatra, Space Applications Centre, ISRO, Ahmedabad, Gujarat</p> <p><i>Remote sensing perspective of alpine ecotone dynamics research in Indian Himalaya</i></p>
	<p>Jagdish Chandra Kuniyal and Gulshan Sharma, G.B. Pant National Institute of Himalayan Environment and Sustainable Development, Mohal-Kullu, Himachal Pradesh</p> <p><i>Aerosols and radiative forcing in the north-western</i></p>

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	<i>Indian Himalaya</i>
Oral Presentations	
Concurrent Poster Session I	
BEST POSTER PRESENTATION	

19March, 2018	
<i>Oral Presentations</i>	
TWO PARALLEL SESSIONS	
10.00 – 16:00I. CITIZEN SCIENCE & HIMALAYN ENVIRONMENT	
Venue	: Environmental Science Department Lecture Hall
Citizen Science - Oral Presentations	
Himalayan Environment - Oral Presentations	
II. ENVIRONMENTAL CHALLENGES AND OPTIONS	
Venue	:
Invited Lectures	<p>Kashinath Bhattacharya, Visva-Bharati Central University, Santiniketan, West Bengal</p> <p><i>Tradition of Sustainable Conservation of Biodiversity in Ancient India</i></p>
	<p>SmitaChaudhry, Institute of Environmental Studies, Kurukshetra University, Kurukshetra</p> <p><i>Soil Carbon Sequestration as a Mitigation Strategy for Climate Change</i></p>
	<p>Prem Chand Pandey, IIT Bhubaneswar, Odisha</p> <p><i>Satellites for environmental monitoring</i></p>
	<p>M. G. Tiwari, R. BisnayandAshok Kumar, DeogharCollege, Deoghar, Jharkhand</p> <p><i>Comparative studies of some lakes with special reference to Indian Himalayan Region</i></p>
	<p>Swati Gupta Bhattacharya, Department of Plant Biology, Bose Institute, Kolkata, West Bengal</p> <p><i>Research on pollen allergy in India</i></p>
	D. Vijaya Lakshmi and K. Jeevan Rao , Department of

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	<p>Soil Science and Agricultural Chemistry College of Agriculture, Rajendra Nagar, Hyderabad</p> <p><i>Fluoride content of water, soil and crops in some parts of Nalgonda district, Telangana state</i></p>
	<p>Priyanka Priyadarshani, ICFAI, University of Jharkhand, Ranchi</p> <p><i>Green Microfinance: A cog in the wheel of sustainable development</i></p>
	<p>S. P. Adhikary, Department of Biotechnology, F. M. University, Balasore, Odhisha</p> <p><i>Cyanobacteria biofertilizer and seaweed liquid fertilizer environmental friendly technologies for sustainable productivity and entrepreneurship in rural areas</i></p>
	<p>Arup Kumar Mitra, Department of Microbiology, St.Xavier's College, Kolkata, West Bengal</p> <p><i>Treatment of tannery effluents by residual bacterial microflora</i></p>
	<p>C.Venkateshwar, Department of Botany, Osmania University, Hyderabad</p> <p><i>Environmental Challenges and eco-friendly mitigation measures</i></p>
Oral Presentations	
Concurrent Poster Session - II	
General Discussions and Recommendations	

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SECTION	: INFORMATION AND COMMUNICATION SCIENCE & TECHNOLOGY (INCLUDING COMPUTER SCIENCES)
Sectional President	: Dr.M.Sundaresan , Professor and Head, Department of Information Technology, Bharathiar University, Coimbatore, Tamilnadu.
Sectional Secretary	: Shri Tejmani Singh , Head, Department of Earth Sciences, Manipur University

17 March, 2018	
10.00 – 16.00	
SECTIONAL COMMITTEE MEETING	
Venue	: Computer Science Department Lecture Hall, Manipur Central University, Imphal
Presidential Address	: M. Sundaresan , Professor and Head, Department of Information Technology, Bharathiar University, Coimbatore, Tamilnadu. <i>Ict for Inclusive, Sustainable Development</i>
Platinum Jubilee Lecture	: Subhash Chandra Yadav , Head Department. of Computer Applications, Rajarshi School of Management & Technology, Udai Pratap Autonomous College, Varanasi. U. P. India. <i>Development of Science & Technology Prevailing Indian Scenario</i>
Young Scientist Award Presentations	: Ujjwal Verma , Department of Electronics and Communication Engineering, Manipal Institute of Technology, Manipal University, Udupi, Karnataka. Gandikota Ramu , Associate Professor, Department of CSE, Institute of Aeronautical Engineering, Dundigal, Hyderabad Shaila H. Koppad , Department of MCA, R. V. College of Engineering, Bangalore
Invited Lectures	: A. K. Nayak , Director, IIBM, Patna. <i>Ict for Integrated Development</i>
	: Ratnadeep R. Deshmukh , Professor and Head, Department of Computer science & Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

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		<i>Hyperspectral Remote Sensing and its Applications</i>
SECTIONAL COMMITTEE ELECTION		

18March, 2018		
10.00 – 16.00		
Venue	:	Computer Science Department Lecture Hall, Manipur Central University, Imphal
Symposium on Information and Communication Technology : Reaching the Unreached		
Invited Lectures	:	Gautham Mohapatra , Scientist-G, Research Centre Imarat, DRDO, Hyderabad <i>Secured ICT Systems and Applications for Large Enterprise</i>
	:	Devaprasanna Sinha , Visiting Faculty, Institute of Educational Research & Studies, Guest Faculty, University of Calcutta and Fellow, CSI, Kolkata. <i>Whither the Study of History of Computer Science in India?</i>
	:	K. Thangavel , Professor and Head, Department of Computer Science, Periyar University, Salem <i>Breathe Analysis Using Machine Learning Techniques</i>
	:	K S Vijaya Sekhar , Principal Researcher, Research Center for eGovernance (RCeG) & Convener, CSI Nihilent eGov Awards (CNEA) 2017 – 18, Prof C R Rao Road, Gachibowli, IIT, Hyderabad <i>Digital Empowerment of the Unreached</i>
Concurrent Oral Presentation I		
Concurrent Poster Presentation I		
Best Poster Award Presentations		

19March, 2018

10.00 – 16.00	
Venue	: Computer Science Department Lecture Hall, Manipur Central University, Imphal
Symposium on Information and Communication Technology for the Human Development	
Invited Lectures	: Santanu Chatterjee , Scientist, Directorate of Information & Communications Technology, Research Centre Imarat, DRDO, Ministry of Defence, Govt of India. <i>Securing ICT : the Present need for Emerging IOT Application Framework</i>
	: M. Ravindran , Associate Professor, Department of Computer Science, Government Arts College, Melur <i>Internet of Things (IOT) Security – Vulnerability Analysis on Communication Channels</i>
	: Vijay Nair , Assyst International Pvt. Ltd., II – 138, Thaikattukara P.O., Muttom, Aluva, Kochi, Kerala. <i>Big Data Analytics – Predictive and Machine Learning Systems</i>
	: V. Thiagarasu , Director, Research & Development Centre, Associate Professor of Computer Science, PG & Research Department of Computer Science, Gobi Arts and Science College, Gobi <i>Multi-Agent Coordination in Project Scheduling: Fuzzy Based Resource Allocation</i>
Symposium on Information and Communication Technology for Disaster Management	
Invited Lectures	: P. N. Singh , Professor (CSE), CMRIT, Bangalore <i>Big Data – Deep Dive with Anaconda Using Python & Jupyter Notebook</i>
	: Ajay Thakur , C.M.Science College, (C.C), Darbhanga <i>Greener and Smart ICT: A Step Towards Sustainable Environment</i>
	: S. N. Singh , P.G. Department of Physics, C.M.Science College, Darbhanga

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	<i>ICT: Need for Patching Digital Gap of the Society</i>
Concurrent Oral Presentation - II	
Concurrent Poster Presentation II	
General Discussion and Recommendations	

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SECTION	MATERIALS SCIENCE
Sectional President	Prof. Dinesh Kumar , Vice Chancellor, YMCA University of Science & Technology, Sector-6, Faridabad (Haryana)
Sectional Secretary	Prof. S. Dorendrajit Singh , Professor, Department of Physics, Manipur University
Sectional Recorder	Prof. Indra Prasad Tripathi , Dean & Ex-Pro Vice Chancellor, Faculty of Science & Environment, M. G. C. G. V., Chitrakoot, MP

17 March, 2018	
10.00 – 16.00	
SECTIONAL COMMITTEE MEETING	
Venue	: Social Science Seminar Hall, Manipur Central University, Imphal
Presidential Address	: Dinesh Kumar , Vice Chancellor, YMCA University of Science and Technology, Faridabad <i>Diffusion Barrier Layers For Copper Metallization For Silicon Based Integrated Circuits</i>
Young Scientist Award Presentations	: John Mondal , Inorganic & Physical Chemistry Division, CSIR- Indian Institute of Chemical Technology (IICT), Hyderabad
	Mrinmoy Garai , Materials Science Centre, Indian Institute of Technology (IIT), Kharagpur
	Aparna Dwivedi , Research Scholar, Faculty of Science & Environment, Mahatma Gandhi Chitrakoot, Gramodaya Vishwavidyalaya, Chitrakoot, Satna (MP)
	Pradeep Chavan , Department of Studies in Physics, Karnataka University, Dharwad, Karnataka
	Murali Banavoth , Solar Cells and Photonics, Research Laboratory, School of Chemistry, University of Hyderabad, Hyderabad, Telangana
	Swapna V. P. , Post Graduate & Research Department of Chemistry, St. Joseph's College (Autonomous) Devagiri, University of Calicut Calicut, Kerala
SECTIONAL COMMITTEE ELECTION	

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18March, 2018	
10.00 – 16.00	
Venue	Social Science Seminar Hall, Manipur Central University, Imphal
Symposium	
Invited Lectures	Ashutosh Tiwari , Department of Physics, Chemistry and Biology(IFM), Linkopings University, Sweden <i>Intelligent nanobiosystems and nanodevices for new age healthcare and energy applications</i>
	Ravinder Dahiya , Professor of Electronics and Nano Engineering and EPSRC Research Fellow, University of Glasgow. <i>Electronic skin for robotics and prosthetics</i>
	Shamim Ahmad , Former Vice Chancellor, Jamia Hamdard, New Delhi. <i>Relevance of 0, 1, and 2-D nanomaterials in synthesizing intelligent materials of future</i>
	Kanjilal , Director, IUAC, New Delhi <i>Modern ion accelerators in materials research and societal applications</i>
	S. Srikanta Swamy , Department of Studies in Environmental Science, University of Mysore <i>Hydrothermal technology for the generation of metal oxide and carbon nanomaterials: photocatalytic and biological application</i>
Oral Presentations	
BEST POSTER PRESENTATIONS	
Concurrent Poster Session –I	

19March, 2018	
10.00 – 16.00	
Venue	Social Science Seminar Hall, Manipur Central University, Imphal
Symposium	

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Invited Lectures	T. Som , Institute of Physics, Bhubaneswar <i>Ion-beam induced self-organized nanostructures: fundamentals and applications</i>
	Arvind Kumar Dixit , Vice Chancellor, Dr. B. R. Ambedkar University, Agra <i>Preparation of polyphosphazene and their applications</i>
	Krishan Kant , Aggarwal P. G. College, Ballabgarh <i>Radiation induced modifications in physico-chemical properties of nano/micro structures synthesised using track etch membranes as templates</i>
	C. C. Tripathi , Director UIET, Kurukshetra University, Kurukshetra <i>Exploring Graphene As A Potential Material For Sensors To Future Electronic Systems Integration</i>
	. Ranjana Aggarwal , Dept. of Chmistry, Kurukshetra University, Kurukshetra <i>PTSA doped Silica Catalysed Synthesis of Bridgehead Heterocycles</i>
	Rajeev Jain , Head, Environmental Chemistry, Jiwaji University, Gwalior <i>Ultrasensitive Voltammetric Quantification of Antioxidants at platform Polypyrrole /Bi₂O₃ /Graphene oxide in surfactant stabilized media</i>
Oral Presentations	
Concurrent Poster Session –II	
General Discussion and Recommendations	

SECTION	Mathematical Sciences (including Statistics)	
Sectional President	Dr.M.Xavier James Raj , Head, Orbital Analytics Section, Applied mathematics Division, Vikram Sarabhai Space Centre, ISRO P.O., Thiruvananthapuram	
Sectional Secretary	Prof. I Tomba Singh , Dean, School of Medical Sciences, Department of Radiotherapy, Regional Institute of Medical Sciences, Imphal	
Sectional Recorder	Dr.B.S.Kushvah , Associate Professor, Department of Applied Mathematics, IIT (ISM) Dhanbad, Jharkhand	
17 March, 2018		
10.00 – 16.00		
SECTIONAL COMMITTEE MEETING		
Venue	:	Mathematics Lecture Hall, Manipur Central University, Imphal
Presidential Address	:	M.Xavier James Raj , ISRO, Thiruvananthapuram. <i>Re-entry Predictions of Space Objects</i>
Platinum Jubilee Lecture	:	C.Gnanaseelan , Project Director, Indian Institute of Tropical Meteorology, Pune. <i>Advanced Weather and Climate Prediction systems in India</i>
Young Scientist Award Presentations	:	Rishikesh Dutta Tiwary , Department of Applied Mathematics, Indian Institute of Technology (ISM), Dhanbad, Jharkhand Lakshika Chutani , Department of Mathematics, Netaji Subhas Institute of Technology, Sector 3, Dwarka, New Delhi
SECTIONAL COMMITTEE ELECTION		

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18March, 2018	
10.00 – 16.00	
Venue	Mathematics Lecture Hall, Manipur Central University, Imphal
Symposium Promotion of Space Science through Education and Research Organizer: Dr.B.S.Kushvah , IIT (ISM) Dhanbad	
Invited Lectures	V.Narayanan , Associate Director, Liquid Propulsion System Centre, Thiruvananthapuram. <i>Five Decades of Indian Space Programme touching the lives of common man</i>
	Vineet K. Srivastava , Scientist, ISTRAC/ISRO, Bangalore. <i>Transfer Trajectory to Periodic Orbit using Invariant Manifold</i>
	Renu Malhotra , Professor, The University of Arizona, Tucson, AZ, USA <i>Solar System Structure and Evolution: Planet migration and prospects for the discovery of new planets in the distant Solar System</i>
	Bhola Ishwar , BRA Bihar University, Muzaffarpur, Bihar. <i>Non-linear stability in the photogravitational elliptic restricted three body problem with Poynting-Robertson drag.</i>
	Invited Lectures
Invited Lectures	Raghu Gompa , Atlanta Metropolitan State College, Georgia, USA <i>Normal forms in approximations of solutions to Schrödinger Initial Value problems</i>
	Pammy Manchanda , Department of Mathematics, Guru Nanak Dev University, Amritsar <i>Emerging themes of Wavelet analysis</i>
	Oral Presentations (3 Parallel sessions)
<ul style="list-style-type: none"> I. Algebra II. Applied Mathematics III. Fluid Dynamics 	

<p>BEST POSTER PRESENTATIONS</p> <p>Concurrent Poster Session –I</p>
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19March, 2018			
10.00 – 16.00			
Venue		Mathematics Lecture Hall, Manipur Central University, Imphal	
Symposium Information Science towards securing Digital India program			
Invited Lectures		<p>Sourav Mukhopadhyay, Associate Professor, Department of Mathematics, IIT Khagapur</p> <p><i>An overview on Introduction to Cryptography</i></p>	
		<p>Avishek Adhikari, Associate Professor, Department of Pure Mathematics, University of Calcutta</p> <p><i>Digital data security: Mathematical Aspects of Cryptography</i></p>	
		<p>K.K.Jose, KSCSTE Emeritus Scientist and Former Professor & Head, Department of Statistics and Biostatistics, St.Thomas College, Palai, Kottayam, Kerala</p> <p><i>Time Series Modeling of Agricultural Crop Prices</i></p>	
		<p>U.S.Mahabaleshwar, Associate Professor, Govt. College for Women, Hassan, Karnataka</p> <p><i>Analytical Solutions for the Nonlinear Ordinary Differential Equations Arising in Fluid Dynamics</i></p>	
	Invited Lectures/ Oral Presentations		
	Invited Lectures		<p>Nandadulal Bairagi, Department of Mathematics, Jadavpur University, Kolkotta</p> <p><i>Understanding Biological phenomena through non linear dynamics</i></p>
		<p>MR Adhikari, Professor (Rtd), Department of Pure Mathematics, University of Calcutta</p> <p><i>On some basic concepts of topology with basic concepts in modern analysis, geometry and topology</i></p>	

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P. Malla Reddy, Department of Mathematics
Kakatiya University, Warangal

*Performance Analysis of Network Nodes-Fractal Point
Process, Queuing Theory, and Matrix Geometric Solutions*

Oral Presentations (3 parallel sessions)

- I. Space Dynamics
- II. Statistics
- III. Fluid Mechanics

Concurrent Poster Session –II

General Discussion and Recommendations

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SECTION		MEDICAL SCIENCES (INCLUDING PHYSIOLOGY)
Sectional President		Prof. Anup Kumar Bhattacharya , Professor of medicine and In-charge of Neurology, M G M Medical college, Kishanganj, Bihar
Sectional Secretary		Prof. Th Tomcha Singh , Head, Department of Biochemistry, Manipur University.
Sectional Recorder		Dr Amit Paul , Scientist E, Division of Pathophysiology, National Institute of Cholera and Enteric Diseases, P-33, C I T Road, Scheme – XM, Kolkata
17 March, 2018		
10.00 – 16.00		
SECTIONAL COMMITTEE MEETING		
Venue	:	Humanities Seminar- 2, Hall, Manipur Central University, Imphal
Presidential Address	:	Anup Kr Bhattacharya <i>“A Kaleidoscopic view of Vascular Dementia”</i>
Platinum Jubilee Lecture	:	Dipanjan Bandyopadhyay <i>“Managing HIV / AIDS in India: Reaching the unreached”</i>
Symposium / Invited Lecture I		Sagar Galwankar <i>Translational Medical Sciences, Patients and Policy</i>
		Ganji Purnachandra Nagaraju <i>functional inhibition of Hsp90 inhibits colorectal cancer growth and metastasis</i>
		Atis Kumar Chattopadhyay <i>Dissemination of medical science and technology: some thoughts</i>
		Pari Plavi Mokkupati <i>Some Recent Concepts in the Neurobiology of Emotions</i>
		K. Ganapathy <i>Providing Neurological Services in the Community : Is Telemedicine the only answer ?</i>
Young Scientist Award Presentations	:	Nabanita Das , Cell Biology & Physiology Division, CSIR- Indian Institute of Chemical Biology, 4, Raja S. C. Mullick Road, Kolkata Debajyoti Bhattacharya , N – 273, Fatehpur 2 nd Lane, Flat No. 8, Garden Reach, Kolkata, Microbiology, Nutrition and Dietetics Laboratory, Department of Life Sciences, Physiology UNT, Presidency University, Kolkata

SECTIONAL COMMITTEE ELECTION	
18March, 2018	
10.00 – 16.00	
Venue	Humanities Seminar- 2,Hall, Manipur Central University, Imphal
Oral Presentation	
Poster Session (P1 – P31)	

Parallel Sessions	
Venue	
Symposium / Invited Lectures	
Symposium / Invited Lectures – I	Ashis Kumar Saha <i>Updates in fatty liver disease, a silent killer of liver</i>
	Soumendra Darbar <i>AKSS-16101 attenuate pathological changes in non - alcoholic steatohepatitis (NASH) mouse model</i>
	Uttam Kumar Paul <i>Community based intervention in health science</i>
	Amar K Chandra <i>Clinical, biochemical and cytomorphologic study on thyroid in north east</i>
	Rupjyoti Talukdar <i>Bridging the rural-urban gap in gastrointestinal healthcare: success story of a pilot project</i>
	Amit Halder <i>injuries in epilepsy</i>
	Tapas Kumar <i>neuroendocrine immunology</i>
	(Dr.) Udas Chandra Ghosh <i>Rheumatological manifestation in Diabetes Mellitus</i>
	Biman Kanti Roy <i>Experience of Thrombolysis in Acute Ischemic Stroke Patients in a Resource Limited Tertiary Care Centre in Eastern Zone of India</i>

Symposium / Invited Lectures – II	Somenath Roy <i>Anticancer and immunostimulatory activity of antigen conjugated modified metal oxide nanoparticle</i>
	Sujata maity Choudhury <i>green biogenic silver nanoparticles from anacardiumoccidental: An efficient provoker of growth inhibition genotoxicity , oxidative injury and apoptotic signaling against cancer cell</i>
	Dilip Mukherjee <i>Expression pattern of G - protein-coupled estrogen receptor</i>

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		<i>I (GPER 0 in normal mice endometrium</i>
		Kalipada Pahan <i>Cinnamon can improve poor learning ability</i>
		Ranabir Pal <i>Fourth decade of immunization practice in India: How far, How much</i>
		Tusharkanti Ghosh <i>Blood brain barrier in animal model of Alzheimer's Disease: An experimental study with mannitol</i>
		Moganty R Rajeswari <i>Cell-free circulating micro RNAs as potential biomarkers for Friedreich's ataxia</i>
		Tapas Kumar Bose <i>Medical Professionalism</i>
		Robert L. Copeland Jr <i>DNA profiling of emetine derivatives on human prostate cancer cells</i>

Parallel Session		
Venue		
Oral Presentation		
BEST POSTER PRESENTATION		
Poster Session		

19March, 2018		
10.00 – 16.00		
Venue		Humanities Seminar- 2,Hall, Manipur Central University, Imphal
Symposium / Invited Lecture		
Symposium / Invited Lectures – I		Rajendra Prasad <i>Sodium, Potassium Intake through Juices and Low Alcohol Beverages in Lautoka (Fiji)</i>
		Akella Radha Rama Devi <i>Progress in identification and management of inherited neurometabolic disorders</i>
		Manjushree Ray <i>Role of membrane cholesterol on sodium pump activity alteration during induction of anaesthesia using intravenous anaesthetic agent</i>
		Debasish Bandyopadhyay <i>Cardioprotection by melatonin: mechanistic insight obtained through in vivo and in vitro studies</i>
		Madhusudan Pal <i>Cardiorespiratory Responses of Load Carriage High Altitudes</i>
		Sandipan ganguly

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		<i>Role of pyruvate in survival of Giardia lamblia in high oxygen stress. A novel evolution.</i>
		Phanithi Prakash Babu <i>Astrocytoma: Understanding the molecular mechanisms for therapeutic utility</i>
		K. Thangaraj <i>Genomic medicine and its relevance to South Asia</i>
		Ashwin Dalal <i>Finding novel genes for rare genetic diseases in Indian population</i>

Symposium / Invited Lectures – II		Bhuvnesh Kumar <i>Oxygen enriched solar heated shelter for rapid induction to extreme altitudes</i>
		Asgar Zaheer <i>GMF- mediated neuroinflammation and neurodegeneration</i>
		Shashi Bala Singh <i>Science for Soldier and Society</i>
		Alok K. Banerjee <i>Health Fitness and Wellness for Quality of Life</i>
		Laxmi T. Rao <i>Constraint Induced Movement Therapy (CIMT) after ischemic stroke restores forelimb movements by dendritic plasticity in the motor cortex.</i>
		Pulok K. Mukherjee <i>Learning from Nature & learning from our Ancestors - Traditional Medicine Inspired Approaches for Drug Development : Farm to Pharma</i>
		M. Balasubramanyam <i>Gut Microbiome and Diabetes – Reaching the Unreached for better prevention, drug discovery and therapeutic measures for diabetes</i>
		Lilly Ganju <i>Diversity of the oral and gut flora of Indian – Antarctic Scientific Expeditionary's.</i>
	Prakash Ch Dhara <i>Variation of hand grip strength in relation to age, sex, posture and rural-urban setup among the population of Eastern India</i>	

10.00 – 16.00		Parallel session
Venue		
Oral Presentations		
Poster Session		
General Discussion and Recommendations		

SECTION		NEW BIOLOGY (INCLUDING BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY AND BIOTECHNOLOGY)
Sectional President		Prof V Ravishankar Rai , Department of Studies in Microbiology, University of Mysore, Manasagangotri Mysore
Sectional Secretary		Prof. Debananda S Ningthoujam , Head, Department of Biochemistry, Manipur University
Sectional Recorder		Dr. Chinmay Kumar Panda , Senior Assistant Director Grade, Department of Oncogene Regulation CNCI, Kolkata
17 March, 2018		
10.00 – 16.00		
SECTIONAL COMMITTEE MEETING		
Venue	:	Biotechnology Seminar Hall, Manipur Central University, Imphal
Presidential Address	:	V Ravishankar Rai , Department of Studies in Microbiology, University of Mysore, Manasagangotri Mysore <i>Natural Product and Drug Discovery</i>
Platinum Jubilee Lecture	:	P N Rangarajan , Department of Biochemistry, Indian Institute of Science, Bangalore <i>Pichia pastoris: the global scenario</i>
Prof S S Katiyar Endowment Lecture	:	Anirban Basu , Maneswar <i>Host pathogen interaction in Japanese Encephalitis Virus infection : from pathogenesis to therapy.</i>
Prof Uma Kant Sinha Memorial Award Lecture	:	Arun Kumar Shukla , Kanpur <i>Structure, function and modulation of G Protein-Coupled Receptors</i>
Young Scientist Award Presentations	:	Nandini B , Department of Biotechnology, University of Mysore, Manasagangotri, Mysore, Karnataka Atanu Banerjee , Molecular Genetics Lab, Department of Biotechnology & Bioinformatics, North-Eastern Hill University, Mawlai, Shillong

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	<p>Upasana Ray, Cell Biology and Physiology Division, CSIR-Indian Institute of Chemical Biology, Council of Science and Industrial Research, 4 Raja S. C. Mullick Road, Kolkata</p> <p>Aparna Banerjee, C/O. Rajib Bandopadhyay, Associate Professor, Department of Botany, The University of Burdwan, Golapbag, Burdwan (W.B.)</p> <p>Atish Barua, SRF, 37, S. P. Mukherjee Road, Chittaranjan National Cancer Institute, Kolkata (W.B.)</p> <p>Anirban Mandal, Department of Botany, University of Calcutta, Ballygunge Science College, 35, Ballygunge Circular Road, Kolkata</p>
SECTIONAL COMMITTEE ELECTION	

18March, 2018	
10.00 – 16.00	
Venue	Biotechnology Seminar Hall, Manipur Central University, Imphal
Symposium	
Invited Lectures	<p>Syed Ahmed Yasir, Neuroscience and Mental Health Research Institute and School of Biosciences, Cardiff University, Cardiff, UK.</p> <p><i>Modeling White Matter Disorders</i></p>
	<p>B J Rao, Department of Biological Sciences, Tata Institute of Fundamental Research, Mumbai</p> <p><i>Regulation of mammalian genome dynamics at the level of Chromosome Territories & Replication Forks</i></p>
	<p>Gopal Reddy, Department of Microbiology, Osmania University, Hyderabad</p> <p><i>Bioremediation of poultry feather and production of value</i></p>

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		<i>added products</i>
		T Satyanarayana , Division of Biological Sciences and Engineering, Netaji Subhs Institute of Technology (University of Delhi), New Delhi <i>Role of C- and N-terminal domains and heterologous cloning of amylopullulanase of the extremely thermophilic bacterium Geobacillus thermoleovorans</i>
		AS Raghavendra , School of Life Sciences, University of Hyderabad, Hyderabad <i>Mitochondrial Redox Signals Mediate the Interactions between Chloroplasts, Mitochondria and Peroxisomes during Photosynthesis and Photorespiration</i>
		Jamuna Bai A , Department of Studies in, Microbiology, University of Mysore <i>Quorum sensing in bacterial pathogens and the potential application of quorum sensing inhibitors as therapeutics</i>
Oral Presentations		
BEST POSTER PRESENTATIONS Concurrent Poster Session –I		

PARALLEL SESSION		
Venue		
10.00 – 16.00		Oral Presentations

19March, 2018		
10.00 – 16.00		
Venue		Biotechnology Seminar Hall, Manipur Central University, Imphal
Symposium		

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Invited Lectures		Pratishtha T Pandey , Senior Scientist, Department of Science and Technology (DST), Technology Bhavan, New Delhi <i>Science and technology Development in India</i>
		Pranab Roy , Dept of Biotechnology, Haldia Institute of Technology, Haldia, West Bengal <i>Occurrence of different microbes having similar plant growth promoting activities in root nodules of a single leguminous plant</i>
		Parimal C. Sen , Division of Molecular Medicine, Bose Institute, Kolkata <i>Mephebrindole, a synthetic indole analog coordinates the crosstalk between p38MAPK and eIF2α/ATF4/CHOP signalling pathways for induction of apoptosis in human breast carcinoma cells</i>
		Inumulu Jaya Bharati , Indian Program Coordinator, United States-India Educational Foundation, New Delhi <i>Fulbright-Nehru Fellowship Opportunities in the U.S</i>
		Pasupuleti Sreenivasa Rao , Department of Advanced Research Centre, Narayana Medical College and Hospitals, Chintareddypalem, Nellore <i>Smart innovative bio-prospecting strategies to identify new age drugs for cancer.</i>
		Lokanath NK , Department of Studies in Physics, University of Mysore, Manasagangotri, Mysore <i>Structure of ATP-binding protein exhibiting a novel terminal domain</i>
		S. Satish , Department of Studies in Microbiology, University of Mysore, Manasagangotri, Mysore <i>Mycoendophytes- Pursuit and implications for novel natural pharmaceuticals discovery</i>
Oral Presentations		
Concurrent Poster Session –II		

PARALLEL SESSION		
Venue		
10.00 – 16.00	Oral Presentations	

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Invited Lectures		Anamika Bhargava , Department of Biotechnology, Indian Institute of Technology Hyderabad, Kandi, Sangareddy, Telangana <i>Nanoscale Movement of L-Type Calcium Channels in the Cardiomyocyte Membrane Can Contribute to Arrhythmia During Heart Failure</i>
		Penchalaneni Josthna , Cancer Biology Laboratory, Sri Padmavati Mahila Visva Vidyalayam, Tirupati, A.P. <i>Adrenomedullin: A Novel Peptide Regulation on Fetoplacental Growth and Its Role in Apoptosis</i>
General Discussion and Recommendations		

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SECTION	PHYSICAL SCIENCES
Sectional President	Prof. Manisha Gupta , Department of Physics, University of Lucknow, Lucknow (U.P)
Sectional Secretary	Prof. N. Nimai Singh , Head, Department of Physics, Manipur University
Sectional Recorder	Dr. Kishor Mahadu Sonawane , Department of Physics, Fergusson College, Pune
17 March, 2018	
10.00 – 16.00	
SECTIONAL COMMITTEE MEETING	
Venue	: Physics Department Lecture Hall, Manipur Central University, Imphal
Presidential Address	: Manisha Gupta , Department of Physics, University of Lucknow, Lucknow (U.P)
Special Lecture	: Naresh Padha , Jammu
Foreign Scientist Speakers	Jagdish P Singh , <i>Laser induced breakdown spectroscopy: application to food sciences</i>
	Vikas Kumar , <i>In-line balanced detection stimulated raman scattering microscopy for label-free bioimaging</i>
Young Scientist Award Presentations	: Madhu Kashyap Jagadeesh , Department of Physics, Jyoti Nivas College Autonomous, Bangalore, Karnataka
	Nishant Kumar , Department of Physics, University of Lucknow, Lucknow

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	Kishore Thapliyal , Jaypee Institute of Information Technology, Noida, U.P.
	Ajaz Hussain , Condensed Matter Physics Lab, Department of Physics, University of Lucknow, Lucknow
	Ram Milan Sahani , NRMA Division, Defence Laboratory (DRDO), Ratanada, Jodhpur
SECTIONAL COMMITTEE ELECTION	

18March, 2018	
10.00 – 16.00	
Venue	Physics Department Lecture Hall, Manipur Central University, Imphal
Symposium: Physical Sciences-exploring the ways in science and technology	
Invited Lectures	Sugriva Nath Tiwari , <i>Physico-chemical properties of liquid crystals: hf and dft studies</i>
	V. J. Fulari , <i>In-situ study of surface deformations of metal chalcogenide thin films by holographic interferometry</i>
	V.P Mahadevan Pillai <i>Plasmonic blocking layer: a novel approach for performance enhancement in dye sensitized solar cells</i>
	P. Srinivasan <i>Nonlinear optical nanofibers- by electrospinning technique</i>
	Ajay K. Singh <i>Phase-sensitive laser spectroscopy at surfaces and interfaces</i>
	Sanjeev R. Inamdar <i>Fluorescence resonance energy transfer in semiconductor quantum dot-organic dye systems</i>

		<p>P. Yadagiri Reddy <i>Environmental radioactivity studies and their significance</i></p>
Invited Lectures/ Oral Presentations		
		<p>Gayatri Singhal <i>Full bright commission in India (USIEF)- New Delhi</i></p>
		<p>Talal Ahmed Khamis <i>Effect of electric field on the dendritic electrodeposits of zinc</i></p>
		<p>A. H Abdul Jaleel <i>Dielectric behavior of some medicinal compound in acetone using microwave frequency 9.8 GHz</i></p>
		<p>Arelli Sridhar Goud <i>Luminescence in Ce³⁺ doped phosphate compounds for energy transfer</i></p>
		<p>J. Meena Devi <i>Simulation of bimetallic gold-silver nanoparticles</i></p>
		<p>Nitin Kumar <i>Study of changes in thermodynamic extensive properties and solvent solute interaction of a bimolecular solvolysis</i></p>
		<p>V.B. Shekar <i>Synthesis and characterization of bismuth ferrite nanoparticle</i></p>
		<p>Rajashree Sahoo <i>A study of thermal properties of microwave sintered Li₂TiO₃ nano ceramics for nuclear fusion application</i></p>
		<p>Sudir Kumar <i>Probing molecular interaction of polymers with different alcoholic groups by hydrogen bonding through nmr spectroscopy</i></p>
		<p>Nishant Kumar <i>Effect of Mg doping in optical properties of nanocrystalline ZnO thin films</i></p>

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		<p>K. Venkata Rao <i>Spectroscopic investigations of Sm³⁺ doped chloro fluoro-borophosphate glasses for solid state applications</i></p>
		<p>S.Suresh <i>Effect of plasmonic Ag-Nb₂O₅ energy layer on quantum confined 6nm nanoparticulate sno₂ films for high current excitonic solar cell application</i></p>
		<p>Rakesh K. Tiwari <i>Structural Insight of Hydrophobic, Non-Hydrogen-Bonding Base Pair DNA Strands: Molecular Dynamics Study</i></p>

<p>BEST POSTER PRESENTATIONS</p> <p>Concurrent Poster Session –I</p>
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<p>19March, 2018</p>		
<p>10.00 – 16.00</p>		
<p>Venue</p>		<p>Physics Department Lecture Hall, Manipur Central University, Imphal</p>
<p>Symposium: Physical Sciences-exploring the ways in science and technology</p>		
<p>Invited Lectures</p>		<p>P. K. Rath <i>Concepts of physical laws and contemporary worldviews</i></p>
		<p>Rajiv Manohar <i>Role of quantum dots in liquid crystals and their applications</i></p>

		A.K. Rai <i>Analysis of molecular composition of biomaterial using photoacoustic spectroscopic technique</i>
		S. H. Behere <i>Experimental fractal growth and it's applications</i>
		G.Prasad <i>Electrical impedance spectroscopy: an experimental tool for analyzing smart sensors and systems</i>
		Kaman Singh <i>Electronic properties of common sugars</i>
		S.K.Srivastava <i>New unified scientific theory and its applications</i>
Invited Lectures/ Oral Presentations		
		R. K. Pandey <i>Deposition and characterization of Ag: n: ZnO Co-doped thin films for optoelectronic applications</i>
		M. V. Shisode <i>Combined structural, microstructural, magnetic and ferroelectric properties of BiFeO₃ nanoparticles</i>
		T. S. Saraf <i>Synthesis, structural and infrared studies of nickel ferrite nanoparticles: effect of Nd: YAG laser irradiation</i>
		P.M. Devshette <i>Deposition and structural and electrical characterization of nanostructured ZnO thin films by chemical spray pyrolysis technique</i>
		Santosh R. Wadgane <i>Structural and dielectric properties of (x) YFeO₃ + (1-x) Y₃Fe₅O₁₂ magnetoelectric nanocomposite.</i>
		Rekha Garg Solanki <i>Structural and optical properties of cds nanoparticles synthesized by different chemical methods in presence of hydrazine hydrate</i>

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	Ajaz Hussain <i>An experimental and theoretical study of poly ethylene glycol methyl ether methacrylate 300 with 2-methoxyethanol and 2-ethoxyethanol</i>
	S. Haldar <i>Investigation of relaxation phenomena of some bicyclohexyl phenyl nematic compounds</i>
	Laxmi Kumari <i>Ultrasonic and ft-ir study of molecular interaction in binary mixtures of poly(vinyl pyrrolidone) (pvp) with 1- propanol and 1- butanol at varying temperatures</i>
	G. Phaneendra Reddy <i>Sulfurization effect on optical properties of $Cu_2 SnS_3$ thin films grown by two step process</i>
	Dipendra Sharma <i>Molecular properties and vibrational dynamics of a nematic liquid crystal: para-methoxybenzylidene p-butylaniline</i>
	S. Chandra <i>Vibrational spectral analysis and anticancer activity of 4-acetyl phenyl boronic acid</i>
	G D Baruah <i>Self consistency of natural laws</i>
	S. B. Rai <i>Photothermal and photoacoustic spectroscopy of molecules</i>
	U. N. Nandi <i>Structural, morphological and electrical conduction polyaniline nanocomposite</i>
	Mahendra A. More <i>2D layered nanostructures and nanocomposites: promising field emission characteristics</i>
	S.K.S. Parashar <i>Futuristic materials: lead-free piezoelectric</i>

		<p>Gargi Tiwari <i>Quantum mechanics/molecular mechanics and molecular dynamics studies of non-structural protein 5b (ns5b) of hepatitis c virus</i></p>
		<p>Abhishek Kumar <i>Molecular structure, vibrational spectra and molecular docking of two natural products, diethyl (2-amino-6,8-dichloro-3-cyano-4h-chromen-4-yl) phosphonate and diethyl (2-amino-6,8-dibromo-3-cyano-4h-chromen-4-yl) phosphonate : density functional theory and qtaim approaches</i></p>
		<p>Vidyardhi Nanduri <i>Space cosmology vedas interlinks-knowledge base-world peace</i></p>
		<p>Rajat Kumar Dey <i>Estimating the mass and energy of primary cosmic rays around the knee region</i></p>
		<p>J Goswami <i>Propagation of nonlinear surface waves in finite temperature quantum plasma half-space</i></p>
		<p>Manjistha Dutta <i>Nonlinear coupling of langmuir and electron acoustic waves in viscous plasma</i></p>
		<p>N .V.R.M. Rao <i>Inter-correlative study of human and inert environment derivation of string theory.</i></p>
		<p>Neeraj Shukla <i>Inducing ferromagnetic ordering in ZnO thin film using medium high energy carbon ion irradiation</i></p>
<p>Concurrent Poster Session –II</p>		
<p>General Discussion and Recommendations</p>		

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SECTION	PLANT SCIENCES	
Sectional President		Dr. Akhilesh K. Pandey , Chairman, M. P. Private University Regulatory Commission, Bhopal, MadhyaPradesh
Sectional Secretary		Prof. G.A. Shantibala Devi , Dean, School of Life Sciences, Manipur University
Sectional Recorder		Prof Y Vimala , Department of Botany, Ch. Charan Singh University, Meerut
17 March, 2018		
10.00 – 16.00		
SECTIONAL COMMITTEE MEETING		
Venue	:	MIMS Seminar Hall, Manipur Central University, Imphal
Presidential Address	:	Akhilesh K. Pandey , Chairman, M. P. Private University Regulatory Commission, Bhopal, Madhya Pradesh <i>Fungal Diversity in Nation Building: Opportunity and Challenges</i>
Platinum Jubilee Lecture	:	Shailendr Saraf , Dean, Faculty of Technology Professor, University Institute of Pharmacy Pt. Ravishankar Shukla University, Raipur, C.G., India <i>Nobel Benefaction of Plants in Health Care and Newer Horizons for Research</i>
Prof Hira Lal Chakravarty Award Lecture	:	Sudhir Pratap Singh , Mohali <i>Biological transformation of residual plant biomass into functional biomolecules.</i>
Prof Archana Sharma Memorial Award Lecture		Suresh Chand , Indore <i>Biotechnological Applications of Somatic Embryogenesis in Transgenic Research, Production of Secondary Metabolites and in Agriculture.</i>
Dr V Puri Memorial Award Lecture		Arun Kumar Pandey , Delhi <i>Phylogeny of papilionoid legumes: insights from morphology and molecules</i>

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Young Scientist Award Presentations	<p>Aveek Samanta, Department of Biotechnology, Haldia Institute of Technology, Haldia</p> <p>Arun Kumar Dutta, Molecular and Applied mycology and Plant pathology Laboratory, Department of Botany, University of Calcutta, Kolkata, West Bengal</p>
Invited Lectures	<p>Hanno Schaefer, Technical University of Munich, Plant Biodiversity Research Ramann Strasse 2, D- 85354 Freising, Germany</p> <p><i>Phylogenetics and Phylogenomics of Cucurbitaceae: where do we Stand What are the Future Challenges</i></p>
	<p>Mathew Stephen O. , Center for Cancer Research, Institute for Molecular Medicine, University of North Texas Health Science Center, Fort Worth, TX USA 76107</p> <p><i>Novel NK-Cell Mediated Targeted Immunotherapy for Cancer</i></p>
SECTIONAL COMMITTEE ELECTION	

18March, 2018	
10.00 – 16.00	
Venue	MIMS Seminar Hall, Manipur Central University, Imphal
Symposium -I	
Invited Lectures	<p>C. S. Natiyal, J. C. Bose National Fellow, NBRI, CSIR, Rana Pratap Marg Lucknow</p> <p><i>Deciphering microbiological interventions for improving plant productivity and stress management.</i></p>
	<p>S M Paul Khurana, Ex Vice Chancellor Professor & Head USIC Amity Institute of Biotechnology, Amity University Gurgaon</p> <p><i>Waste management through biotechnological approaches</i></p>
	<p>N. C. Gautam, Vice Chancellor, Mahatma Gandhi Chittrakoot Gramodaya Vishwavidyalaya Chittrakoot, Satna</p> <p><i>Role of biodiversity for nutritional security</i></p>
	<p>Arun K. Pandey, , Department of Botany University of</p>

	<p>Delhi, Delhi</p> <p><i>Phylogeny of papilionoid legumes: insights from morphology and molecules</i></p>
	<p>Manju Anand, Aruna Bhatia and Rupali Singla, Amity Institute of Biotechnology, Amity university, Gurgaon (Haryana), India</p> <p><i>In-vitro mass cloning of <i>Tylophora indica</i> and evaluation of hypoglycaemic effect of native and micropropagated plants</i></p>
	<p>Mahaboob Khan Rasool, Immunopathology Lab, School of Biosciences and Technology, VIT University, Vellore, Tamil Nadu,</p> <p><i>Plant-derived immunomodulators: an insight on their preclinical evaluation against rheumatoid arthritis</i></p>
	<p>Rajesh Kapur, Scientist “H”(Retd) ,Deptt. of Biotechnology, Ministry of Science & Technology, New Delhi.</p> <p><i>Food Fortification and Dietary Diversification: Indigenous initiatives</i></p>
	<p>Chidambaram Ramalingam ,Department of Biotechnology, School of Bio Sciences and Technology, VIT University, Vellore, India,</p> <p><i>Nanotechnology for plants and agriculture</i></p>
	<p>B. P. Mishra, Department of Environmental Science, Mizoram University, Aizawl, Mizoram</p> <p><i>Changes in diversity-distribution of woody plants and soil characteristics as influenced by sandstone quarry a potential tool for community economy in mizoram, north east india</i></p>
	<p>S. K. Chaturvedi and Shonali Chaturvedi, Department of Botany, Nagaland University, Lumami</p> <p><i>Biotic Pollination among orchids of North- east India and related terminology</i></p>
Concurrent symposium-II	
Invited lectures	<p>T.N . Lakhnupal, Department of Biosciences, H University, Shimla, HP</p> <p><i>Exploitation of mushroom diversity for human welfare</i></p>
	<p>Mahendra Rai, Nanobiotechnology Laboratory, Department of Biotechnology, SGB Amravati University, Amravati, Maharashtra, India</p>

	<p><i>Curcumin and curcumin-nanoparticles: from traditions to therapeutic applications</i></p> <p>N.S. Atri, Department of Botany, Punjabi University, Patiala, Punjab</p> <p><i>Nutritional and nutraceutical relevance of mushrooms and their sociobiological aspects</i></p>
	<p>N. Anand, Centre for Advanced Studies in Botany University of Madras, Guindy Campus, Chennai</p> <p><i>Changing facets of algal research today</i></p>
	<p>Harbans Kaur Kehri, Department of Botany University of Allahabad, Allahabad</p> <p><i>Role of mycorrhiza in alleviating heavy metal and salinity stress</i></p>
	<p>K M Gothandam, & Dean School of Bio Sciences and Technology, VIT University, Vellore</p> <p><i>Exploitation of microbial diversity for human welfare</i></p>
	<p>Subramanian Babu, Professor, School of Bio Sciences and Technology, VIT University, Vellore</p> <p><i>Microbiome engineering by crop-based custom design of microbial bio-inoculants</i></p>
	<p>N.Raaman, Former Director & UGC-BSR Faculty, Centre for Advanced Studies in Botany, University of Madras Guindy Campus, Chennai</p> <p><i>Secondary metabolites from Mushrooms for Human health: A promising source for immunostimulating, anticancer and other activities</i></p>
	<p>Sushilkumar, ICAR-Directorate of Weed Research, Jabalpur, MP</p> <p><i>Biological control of weeds in India: Current scenario and prospects</i></p>
Oral Presentations	
BEST POSTER PRESENTATION	
Concurrent Poster Session –I	

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19March, 2018		
10.00 – 16.00		
Venue		MIMS Seminar Hall, Manipur Central University, Imphal
Symposium -I		
Invited Lectures		<p>Pramod K Verma, Vice Chancellor ,Barkatullah University, Bhopal</p> <p><i>Remote Sensing and GIS in Vegetation Studies: Some Indian Success Stories</i></p>
		<p>M. Sudhakara Reddy, Dept. of Biotechnology ,Thapar University, Patiala, Punjab, India</p> <p><i>Functional diversity and gene resources from polluted environments by metatranscriptomic approach</i></p>
		<p>T. Pullaiah,Dept.of Botany, Sri Krishnadevaraya University Anantapur, P.</p> <p><i>Flora of Andhra Pradesh</i></p>
		<p>George Priya Doss. C .,Dept. of Integrative Biology, School of Biosciences and Technology, IT University, Vellore, India</p> <p><i>Plant science in the era of genomics and globalization: opportunity and challenges</i></p>
		<p>Pradeep Kumar Mohanty, Department of Pharmacy, L.N. University, Bhopal,</p> <p><i>Plant science in the era of Genomics and Globalization : Opportunity and Challenges</i></p>
		<p>V.K. Gautam and Nidhi Gautam Botany Department, DDUC and DRC, Delhi University, Delhi</p> <p><i>Role of Plant Biotechnology in Enhancing the Production and Quality of Agricultural Crops</i></p>
		<p>P. B. Kavi Kishor,Department of Genetics, Osmania University, Hyderabad</p> <p><i>Genome-wide scanning of Na⁺/H⁺-antiporters (NHX), Na⁺/H⁺ exchangers (NHE) from Sorghum and functional validation of a plasma membrane bound Na⁺/H⁺ -antiporter-like protein (SbNHXLP) for salt tolerance</i></p>
		<p>Uttara Chakraborty ,SRS,Bioimaging and Flow</p>

	<p>Cytometry Facility, C-Wing, GC-01, Division of Biological Sciences, Indian Institute of Science, Bangalore</p> <p><i>Using Flow Cytometry to quantify fungal heterogeneity</i></p>
	<p>S.R. Niranjana, & Vice chancellor, Gulbarga University, Kalaburagi, Karnataka</p> <p><i>Perspectives and Challenges of Plant growth promoting Rhizobacteriapplication for Crop Improvement- A case study</i></p>
<p>Concurrent symposium-II</p>	
<p>Invited Lectures</p>	<p>Alok Srivastava and V. P. Singh Dept. of Plant Science, M.J.P. Rohilkhand University, Bareilly(U.P.)</p> <p><i>Plant growth promoting rhizobacteria assisted phytoremediation in Pb/Cd contaminated soil and its impact on enzymatic activities in faba beans</i></p>
	<p>C. Manoharachary, Dept. of Botany, Osmania University, Hyderabad</p> <p><i>Mycorrhizae and their commercialization as biofertilizer</i></p>
	<p>Anjana Sharma, Bacteriology Lab, Dept. of Bioscience, R. D. University, Jabalpur (M.P.) India</p> <p><i>Bacterial diversity in perspective of nation building</i></p>
	<p>Sardul Singh Sandhu and Harshita Shukla Dept. of Biological Sciences, R.D. University, Jabalpur, M.P., India,</p> <p><i>Biogenesis of silver nanoparticles by endophytic fungi and their applications in clinical medicines</i></p>
	<p>Surendra Singh, Algal Biotechnology Laboratory, Dept of Biological Science, Rani Durgavati University, Jabalpur (M.P.)</p> <p><i>Commercial and Industrial Applications of Microalgae</i></p>
	<p>Paramasamy Gunasekaran¹, Manoharan Shankar² and Sivashanmugam, Karthikeya, 1Vice Chancellor, VIT Bhopal University, Srhore, M P, India. 2 School of Bio-Sciences and Technology, VIT University, Vellore, Tamilnadu, India</p> <p><i>An insight into the plant-microbe interaction using comprehensive genome analysis</i></p>

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	<p>Nipun Silawat* & S. P. Gautam, Regional Extension Center, MPCST Herbarium Building, R D Univeristy Campus, Jabalpur (MP) India * Ex Vice Chancellor,R D University ,Jabalpur, Ex Chairman ,CPC B New Delhi, Member, M.P.Public Service Commission, Indore</p> <p><i>Yeasts in india: diversity and applications</i></p>
	<p>Abhishek Kumar Awasthi and Jinhui Li,*1 School of Environment, Tsinghua University, Beijing, P.R. China</p> <p><i>Microbial application in solving e-waste problem: opportunities and challenges</i></p>
Oral Presentations	

10.00 – 16.00		
Venue		
Symposium-I		
Invited Lectures		<p>Uma Kant, Plant Pathology and Tissue Culture Biotechnology Laboratory, Department of Botany, University of Rajasthan, Jaipur, India</p> <p><i>Zooecidia: morphology and cecidogenesis</i></p>
		<p>P. C. Trivedi Ex Vice Chancellor, DDU Gorakhpur University, Gorakhpur and R.M.L. Awadh University, Faizabad, Ex. Prof & Head, Department of Botany, University of Rajasthan, Jaipur</p> <p><i>Herbal drugs and phytodiversity conservation</i></p>
		<p>P. B. Kirti, Department of Plant Sciences, University of Hyderabad, Hyderabad</p> <p><i>Activation tagging and functional genomic studies to characterize novel genes in rice</i></p>
		<p>Seshu Lavania, Department of Botany, University of Lucknow, Lucknow</p> <p><i>Vetiver grass model and root architecture</i></p>
		<p>Ram Dev Bharadwaj, Vice Chancellor, Atal Bihari Vajapai Hindi University, Bhopal, M.P.</p> <p><i>Structural & Functional Understanding of Patent & Patentin</i></p>
		<p>Mukesh Kumar Tiwari, Vice Chancellor, Pandit Sambhu Nath Shukla University. Shahdol (MP)</p>

		<i>History of Plant- human relationship in Ancient Indian: A Critical Appraisal</i>
		Ashok K. Panigrahi ,Prof Emeritus, Department of Botany, Berhampur University, Berhampur <i>Environmental mercury contamination from an industrial source, its impact on biodiversity and possible reclamation</i>
		V.N.Pandey , Department of Botany DDU, Gorakhpur University, Gorakhpur (U.P) <i>Plants: Power of Mother Earth Planet</i>
		Sugandha Singh^{1*} & Rai Shashi^{2,1} Head, Department Biotechnology, Sant Hirdaram Girls College, Bhopal, ² E Group Director, JSS &Shaheed Hemu Kalani Education Society, Bhopal (M.P) India <i>Plant science in the Era of genomics and globalization</i>
		Kapur Mal Jain , Shrikrishna Society, Chuna Bhatti, Kolar Road, Bhopal <i>Amazing Plants and their nonverbal communication!</i>
		T. R. Thapak EX Vice Chancellor Vikram AFRC, & Fees Regulatory Committee Bhopal <i>Floride Menace In India: An overview</i>
		A.K. Gwal¹ and Anurag S.D. Rai^{2,1} Vice Chancellor,AISECT University ² Department of Electrical and Electronics Engineering, AISECT University, Bhopal-Chiklod Road , Raisen (M.P.) <i>Smart Artificial Intelligent Based Controller for Hydroponic : New technique for Soilless plantation</i>
Concurrent symposium-II		
		S.M Reddy, V. Krishna Reddy and M.Surekha , Department of Botany, Kakatiya University, Warangal (AP) <i>Cytochalasins unique benevolent mycotoxins incidence and biological activity</i>
		K. D. Mishra ,Vice Chancellor, Rani Durgavati University, Jabalpur <i>Biodeterioration of cultural heritage and monumental buildings in India</i>
		Ravindra R. Kanhere ,Vice Chancellor, M.P. Bhoj (Open) University, Bhopal <i>Potential of insect in weed management: an overview</i>

		<p>H.N. Gour, Prof Emeritus (Dst), MPAU & T, Udaipur, Rajasthan.</p> <p><i>Exploring root microbial diversity vis-a-vis pgpr ecogenomics for holistic crop health management</i></p>
		<p>C.Kannan, V.Prakasam, Ladhalakshmi, Srinivas Prasad and Basker Sundararaju 1 ,Division of Plant Protection, Department of Plant Pathology, ICAR-IIRR, Hyderabad, TS-5000301,Dept. of Chemistry, IIT-Kanpur, Kanpur, UP</p> <p><i>Microbes as a source of new molecules in disease management in plants</i></p>
		<p>Mukesh kumar Awasthi & ^bZengqiang Hang * College of Natural Resources and Environment, Northwest A & F University, Yangling, Shaanxi Province, Pr China, Department Of Biotechnology, Amicable Knowledge Solution University, Satna, India</p> <p><i>Beneficial effect of mixture of additives amendment on enzymatic activities, organic matter degradation and humification during biosolids co-composting: uses of end product for plant growth</i></p>
		<p>Jamaluddin , Ex Director, TFRI,Jabalpur, Emeritus (CSIR), Department of Bioscience, R D University, Jabalpur, M.P.</p> <p><i>Fungal diseases in forest of central India and co-existence.</i></p>
		<p>Mona Purohit, Associate Professor, Department of Legal Studies and Research Barkatullah University Bhopal</p> <p><i>Possibilities and Limitations of Microbial Forensics in investigation of Bio-crime</i></p>
		<p>A.M. Deshmukh President, Microbiologist Society, India</p> <p><i>Biodiversity and Biotechnology of Actinomycetes</i></p>
Oral Presentations		
Concurrent Poster Session –II		
General Discussion and Recommendations		