



Indian Science Congress
Association



Surendranath College

A Two Day National Conference
On
Science and Technology: Rural Development
20th-21st January 2020
Jointly organised by
Indian Science Congress Association Kolkata Chapter
&
Surendranath College Kolkata

DATE	TIME	
DAY 1 20.01.2020	09:00-10.00 AM	REGISTRATION
	10:00-11:00 AM	INAUGURAL SESSION Venue : Surendranath Banerjea Auditorium, Surendranath College, Kolkata – 700009
	11:00-11:30 AM	KEY NOTE ADDRESS by Dr. Basanta Kumar Das , Director, ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata, 700120 : Fish for health and social wellbeing
	11:30-11:45 AM	TEA BREAK
	11:45-01:45 PM	PLENARY SESSION Prof. Jai Prakash Keshri , Professor & Ex-Head, Department of Botany, University of Burdwan Dr. Timir Baran Ghoshal , Director, Geological Survey of India Dr. Swarup Bhattacharya , CURATOR, Maulana Azad Museum, Maulana Abul Kalam Azad Institute of Asian Studies Dr. Malay Kumar Saha , NICED, Scientist F –in charge-National HIV Reference laboratory
	01:45-02:15 PM	LUNCH

DAY 1 20.01.2020	TIME & SESSION	AUDITORIUM	BIOLOGY GALLERY	CHEMISTRY GALLERY	COMMON ROOM (Science Building, Ground Floor)
	02:15 -04:15 PM TECHNICAL SESSION - I	Plant Sciences (Classical and Applied) • Symposium Lecture • Invited Lecture • Oral Presentation	Earth system and Environmental Sciences • Symposium Lecture • Invited Lecture • Oral Presentation	Chemical Sciences • Symposium Lecture • Invited Lecture • Oral Presentation	Judgment of Poster Session - I • Physiology and Allied Sciences • Modern Biology • Physical Sciences and Engineering and Technology
	04:15-04:30 PM		TEA/COFFEE		
	04:30-06:30 PM TECHNICAL SESSION - II		Modern Biology • Symposium Lecture • Invited Lecture • Oral Presentation	Physical Science • Symposium Lecture • Invited Lecture • Oral Presentation	Judgment of Poster Session - II • Plant Sciences • Chemical Sciences
	HIGH TEA				

DAY 2 : 21.01.2020

DATE	TIME	
DAY 2 21.01.2020	09:30-10:00 AM	REGISTRATION
	10:00-11:30 AM	PLENARY SESSION Dr. Jyotirmoy Samajder , Psychiatrist, MD. DPM. MBBS Dr. D.P. Duari , Director, Birla Planetarium
	11:30-11:45 AM	TEA BREAK

DAY 2 21.01.2020	TIME & SESSION	AUDITORIUM	BIOLOGY GALLERY	CHEMISTRY GALLERY	COMMON ROOM (Science Building, Ground Floor)
	11:45-01:45 PM TECHNICAL SESSION - III	Physiology And Allied Sciences <ul style="list-style-type: none"> • Symposium Lecture • Invited Lecture • Oral Presentation 	Animal, Veterinary and Fishery Sciences <ul style="list-style-type: none"> • Symposium Lecture • Invited Lecture • Oral Presentation 	Social and Behavioral Science A (Sociology, Psychology) <ul style="list-style-type: none"> • Symposium Lecture • Invited Lecture • Oral Presentation 	Judgment of Poster Session - III <ul style="list-style-type: none"> • Mathematical, Statistical and Computational Sciences • Social and Behavioral Sciences
	01:45-02:30 PM	LUNCH			
	02:30-04:30 PM TECHNICAL SESSION - IV	Physiology And Allied Sciences Continues.....	Social and Behavioral Science B (Economics) <ul style="list-style-type: none"> • Symposium Lecture • Invited Lecture • Oral Presentation 	Mathematics, Statistics, Computer Science <ul style="list-style-type: none"> • Symposium Lecture • Invited Lecture • Oral Presentation 	Judgment of Poster Session IV <ul style="list-style-type: none"> • Animal Sciences
	TEA/COFFEE				
	04:30 PM	Valedictory Prize distribution for Oral & Poster Presentation Vote of Thanks			

DETAILED PROGRAMME SCHEDULE

<p style="text-align: center;">DAY 1 20.01.2020</p> <p style="text-align: center;">02:15PM -06:30 PM</p> <p style="text-align: center;">TECHNICAL SESSION – I & II</p> <p style="text-align: center;">Plant Sciences (Classical and Applied)</p> <p style="text-align: center;">(Parallel Session) (AUDITORIUM)</p>	<ul style="list-style-type: none"> • Symposium Lecture Prof. Kashinath Bhattacharya, Professor, Department of Botany, Visva-Bharati University : Migration of Plants from Aquatic to Land Habitat • Invited Lecture Chaired by: Professor Jai Prakash Keshri & Professor Kashinath Bhattacharya <ul style="list-style-type: none"> • Dr. Debabrata Maity, Assistant Professor, Department of Botany, University of Calcutta: Role of taxonomy to uncover biodiversity • Dr. Supatra Sen, Associate Professor, Department of Botany, Asutosh College: Towards Zero Hunger: Abiotic Stress and Crop Productivity • Dr. Samudra Prasad Banik, Department of Microbiology, Maulana Azad College: Trehalose mediated stabilization of cellobiase aggregates – A cross-linking independent approach to improve cellulolytic enzyme efficiency • Dr. Partha Karak, Assistant Professor, Department of Botany, City College: Airborne spore allergens, air pollutants and socio economic status as risk factors for childhood allergic diseases in West Bengal, India • Oral Presentation Chaired by: Professor Jai Prakash Keshri & Professor Kashinath Bhattacharya <ul style="list-style-type: none"> • Arghya Ghosh and Bhaskar Paul: MICROPROPAGATION OF Curcuma caesia Roxb • Dr. Amit Saha:EXPLOITATION OF MEDICINAL PLANTS • Dr. Anamika Basu: ETHNOPHARMACOLOGY OF ANTICANCER DRUGS IN RURAL BENGAL - AN IN SILICO STUDY • Bikash Jana: DIVERSITY OF ALPINE SEDGES AND CLIMATE CHANGE • Debarati Das and Asok K Biswas: INFLUENCE OF SELENATE ON GROWTH AND ANTIOXIDANT DEFENSE SYSTEM IN RICE (Oryza sativa L.) SEEDLINGS • Rajendra Yonzon: SOME MAJOR THREATS FOR THE PLANT DIVERSITY OF DARJEELING AND SIKKIM HIMALAYAN REGIONS OF INDIA • Satabdi Ghosh, Simren Saha and Amrita Dutta: COMPARING THE OXALATE OXIDASE ENZYME ACTIVITY IN MONOCOT PLANTS • Dwaipayan Sinha: CHIR PINE: A PLANT OF ETHNOBOTANICAL AND MEDICINAL IMPORTANCE • Dr. Joydeep Acharya: HERBAL REMEDIES AGAINST URINARY AILMENTS AS REVEALED FROM ETHNOMEDICINAL STUDIES UNDERTAKEN IN BANKURA DISTRICT, WEST BENGAL • Subhojit Ojha and Biswajit Dey: ANTIOXIDANT PROPERTY ALONG WITH QUALITATIVE PHYTOCHEMICAL ANALYSIS OF Erigeron sp. FLOWERS
<p style="text-align: center;">DAY 1</p>	<ul style="list-style-type: none"> • Symposium Lecture Professor Anirudhho Mukhopadhyay, Professor, Department of Environmental Science, University of Calcutta : Environment and Beyond

<p>20.01.2020</p> <p>02:15 -04:15 PM</p> <p>TECHNICAL SESSION – I</p> <p>Earth system and Environmental Sciences</p> <p>(Parallel Session) (BIOLOGY GALLERY, SCIENCE BUILDING 2nd FLOOR)</p>	<p>Dr. Sandip Mukhopadhyay, Associate Professor, Department of Marine Science, University of Calcutta: Overview on biogeochemical dynamics of some of the estuaries at the land-ocean boundary of NE coast of the Bay of Bengal, India</p> <p>Gautam Ghosh, Director (Geology), Selection Grade (Retd.) & Dipak Kumar Mukhopadhyay, Senior Geologist (Retired), GSI: Impact on Human Health Due to Exposure to Arsenic Contaminated Drinking Water and Food</p> <ul style="list-style-type: none"> • Invited Lecture Chaired by: Dr. Timir Baran Ghoshal, Director, Geological Survey of India & Professor Anirudhho Mukhopadhyay <ul style="list-style-type: none"> • Dr. Chumki Chowdhury, Assistant Professor, Department of Botany, Jangipur College, Murshidabad: Biological pump, relating it to diatom bloom in the estuarine environments along the northeast coast of the Bay of Bengal, India • Dr. Sayani Mukherjee, Associate Professor, Department of Geography, Asutosh College : A geospatial analysis of impact of extreme climatic events on subsistence farmers along the coastal plain of east Mednipur, West Bengal • Dr. Ismail Mondal, Assistant Professor, School of Oceanographic Studies, Jadavpur University: Spatio-temporal modelling of sea level rising and shoreline migration its effect on Sundarban ecosystem, using remote sensing and GIS techniques, West Bengal, India • Oral Presentation Chaired by: Professor Anirudhho Mukhopadhyay & Dr. Sandip Mukhopadhyay <ul style="list-style-type: none"> • Subhendu Bachhar, Rajib Chakraborty and Rajat Halder: DRONE: AN EYE ABOVE AGRICULTURAL FIELD • Sohaniya Mandal, T.K. Saha and T.K. De: NUMERICAL SIMULATION OF ONE-DIMENSIONAL SHALLOW WATER EQUATIONS • Susmita Biswas, Mrinmoyee Bhattacharya, and Mourani Sinha: THE DEEP LEARNING MODEL FOR ESTIMATION OF INDIAN OCEAN PARAMETERS
<p>DAY 1</p> <p>20.01.2020</p> <p>02:15PM -04:15 PM</p> <p>TECHNICAL SESSION – I</p> <p>Chemical Sciences</p> <p>(Parallel Session) (CHEMISTRY GALLERY, SCIENCE BUILDING 1st FLOOR)</p>	<ul style="list-style-type: none"> • Symposium Lecture Prof. Bijon Das, Professor, Department of Chemistry, Presidency University: Polyelectrolytes in Solutions: Their Size and Charge Prof. Samir Kumar Pal, Senior Professor, Department of Chemical, Biological & Macromolecular Sciences, S.N. Bose National Centre for Basic Sciences: Probing Crucial Interfacial Dynamics of Nanohybrids for Emerging Biomedical Functionalities • Invited Lecture Chaired by: Professor Samir Kumar Pal <ul style="list-style-type: none"> • Dr. Shouvik Chattopadhyay, Associate Professor, Department of Chemistry, Jadavpur University: Synthesis and characterization of carboxylate bridged di and polynuclear complexes of cobalt with reduced Schiff bases: Investigation of their ability to mimic phenoxazinone synthase • Dr. Kamalika Sen, Assistant Professor, University of Calcutta: Spatio-temporal modelling of sea level rising and shoreline migration its effect on Sundarban ecosystem, using remote sensing and GIS techniques, West Bengal, India • Oral Presentation Chaired by: Professor Samir Kumar Pal <ul style="list-style-type: none"> • Abhra Sarkar & Siddharth Pandey: Fluorimetric Investigation Of ‘Thermosolvatochromism’ within Pure and Aqueous Ionic Liquids

<p style="text-align: center;">DAY 1 20.01.2020</p> <p style="text-align: center;">04:30 -06:30 PM</p> <p style="text-align: center;">TECHNICAL SESSION –II</p> <p style="text-align: center;">Modern Biology</p> <p style="text-align: center;">(Parallel Session) (BIOLOGY GALLERY, SCIENCE BUILDING 2nd FLOOR)</p>	<ul style="list-style-type: none"> • Symposium Lecture Prof. Debashis Mukhopadhyay, Professor, Saha Institute of Nuclear Physics • Invited Lecture Chaired by: Prof. Debashis Mukhopadhyay <ul style="list-style-type: none"> • Dr. Mainak Snegupta, Assistant Professor, Department of Genetics, University of Calcutta: To smoke, or not to smoke: that is the question! • Dr. Gaurav Gupta, Associate Professor, NIIT University, Rajasthan: Long Pentraxin 3 (PTX3) Regulates IL-17A Mediated Immunity to Primary Leishmania major Infection • Dr. Mithun Maji, Assistant Professor, Department of Botany, Dinabandhu Andrews College: Cross-presentation: an approach against the life threatening diseases • Dr. Subhadeep Ganguly, Assistant Professor, Department of Physiology, Vidyasagar College: Production of L-glutamic acid by Corynebacterium glutamicum X680 using agro-based waste materials • Oral Presentation Chaired by: Dr. Gaurav Gupta & Dr. Subhadeep Ganguly <ul style="list-style-type: none"> • D.C. Bhattacharya: LOW-COST SEWAGE TREATMENT : THE ROLE OF <i>SCENEDESMUSSP</i>, AN ALGAL MEMBER WITH NATURAL ADAPTABILITY • Puja Dutta and Biswadev Bishayi: INHIBITION OF RECEPTOR MOBILIZATION AND RECEPTOR SHEDDING DURING DUAL RECEPTOR (TNFR1 AND IL-1R) NEUTRALIZATION DOWNREGULATES CXCR1 EXPRESSION IN STAPHYLOCOCCUS AUREUS INFECTION
<p style="text-align: center;">DAY 1 20.01.2020</p> <p style="text-align: center;">04:30PM -06:30 PM</p> <p style="text-align: center;">TECHNICAL SESSION –II</p> <p style="text-align: center;">Physical Sciences and Engineering and Technology</p> <p style="text-align: center;">(Parallel Session) (CHEMISTRY GALLERY, 1st FLOOR)</p>	<ul style="list-style-type: none"> • Symposium Lecture Dr. Sayed Minhaz Hossain, Associate Professor, Department of Physics, IEST, Shibpur, Howrah: Optically enhanced hysteretic I-V characteristics of nanocrystalline silicon based p-i-n heterostructure • Invited Lecture Chaired by: Dr. Sayed Minhaz Hossain <ul style="list-style-type: none"> • Dr. Kanik Palodhi, Assistant Professor, Department of Applied Optics and Photonics, University of Calcutta: Application of MIoT in rural areas • Dr. Arijit Ghosh, Assistant Professor, Department of Physics, Ananda Mohan College: On-chip particle accelerator and its future perspective • Dr. Kartick Malik, Assistant Professor, Department of Physics, Vidyasagar Metropolitan College: Low temperature Structural and Thermoelectric properties of Bi₂Te₃-Sb₂Te₃ mixed crystal • Dr. Amitava Moitra, Assistant Professor, Department of Physics, Raidighi College: Multiscale Materials Modeling to Understand the Role of Defects in Deformation Mechanism • Dr. Saurabh Niyogi, Assistant Professor, Department of Physics, Gokhale Memorial Girl's College: Electron (g-2) anomaly

	<ul style="list-style-type: none"> • Dr. Binita Ghosh, St. Paul's Cathedral Mission College, Kolkata: Investigation of Nonlinear Optical Properties of Perovskite Oxides for Use as Transparent Conducting Novel Material • Oral Presentation Chaired by: <ul style="list-style-type: none"> • Shaheen Akhtar, Anirban Chaudhuri, Shouvik Mahanty, Subarna Bhattacharyya and Punarbasu Chaudhuri: A Case Study to Evaluate Nanoparticle Coated Concrete's Ability to Inhibit Fungal Growth
<p style="text-align: center;">DAY 2 21.01.2020</p> <p style="text-align: center;">11:45 -04:30 PM</p> <p style="text-align: center;">TECHNICAL SESSION - III& IV</p> <p style="text-align: center;">Physiology and Allied Sciences</p> <p style="text-align: center;">(Parallel Session) (AUDITORIUM)</p>	<ul style="list-style-type: none"> • Symposium Lecture Chaired by : Dr. Amit Krishna De, Executive Secretary, Indian Science Congress Association Prof. Tania Das, Professor, Division of Molecular Medicine, Former Dean, Bose Institute: Do cancer stem cells have 'brains'? • Invited Lecture Chaired by: Prof. Tania Das & Dr. Asima Das, Associate Professor, Department of Physiology, Serampore College <ul style="list-style-type: none"> • Prof. Sanjit Dey, Professor, Department of Physiology, University of Calcutta: Rural or Urban, It's time to 'Bid farewell to Smokeless Tobacco (Gutkha) Chewing: It promotes neuronal cell death • Prof. Prabir Kumar Mukhopadhyay, Reproductive and Environmental Toxicology Laboratory, Department of Life Sciences, Presidency University: High protein diet, a remedy against arsenic-induced female reproductive catastrophe • Dr. Gauri Prasad Dutta, Associate Professor, Department of Physiology, Ram Mohan College: Anti-oxidative and Anti-inflammatory Potency of <i>Amorphophallus campanulatus</i> against Ethanol Induced Tissue Damage • Dr. Sujata Law, Assistant Professor, Department of Biochemistry and Medicinal Biotechnology, Calcutta School of Tropical Medicine, Kolkata: Chronic exposure to sunlight (ultra violet radiation) leads to alteration of Limbal Epithelial and Stem/Progenitor Cells in Cornea • Dr. Amit Bandyopadhyay, Assistant Professor, Department of Physiology, University of Calcutta: Sports, Exercise and Yoga – a Futuristic Approach for Rural Health Development • Dr. Rajen Haldar, Assistant Professor, Department of Physiology, University of Calcutta: Smoking augments oxidative damages in erythrocyte: role of vitamin-c as scavenger • Oral Presentation Chaired by: Dr. Bhaswar Mukherjee, Ex. Associate Professor, Department of Physiology, Surendranath College, Kolkata & Dr. Bulbul Thakur, Ex. Associate Professor, Department of Physiology, Raja Peary Mohan College, Uttarpara <ul style="list-style-type: none"> • Dibyendu Ray, Pushpa Jadav, Subrata Ghosh and Sandip Mukherjee: CAPSAICIN PROTECTS SODIUM FLUORIDE-INDUCED OXIDATIVE DAMAGE OF LIVER IN RATS • Roshnara Mishra, Farhat Nasim and Raghwendra Mishra: ENVENOMATION - AN INFLAMMATORY DISORDER • Anindita Singha Roy and Amit Bandyopadhyay: PULMONARY FUNCTION STUDIES IN FEMALE SINGERS OF KOLKATA, INDIA

	<ul style="list-style-type: none"> • Subhasish Pramanik, Chiranjit Bose, Koena Bhattacharya, Dr. Sutanu Dutta Chowdhury, Prof. Subhankar Chowdhury and Prof. Lakshmi Kanta Mondal: SYSTEMIC AND OCULAR MARKERS OF HYPERGLYCEMIA INDUCED BIOCHEMICAL ANOMALIES BEHIND THE INITIATION OF DIABETIC RETINOPATHY • Ishita Bhattacharjee and Amit Bandyopadhyay: EFFECTS OF ACUTE HONEY SUPPLEMENTATION ON ENDURANCE PERFORMANCE IN MALE UNIVERSITY STUDENTS • Soma Das, Md. Kutubuddin Halder and Amit Bandyopadhyay: PHYSICAL FITNESS AND CREATIVITY: A STUDY ON ADOLESCENT GIRLS IN KOLKATA, WEST BENGAL • Kartik Shaw & Sahana Mazumder: SPECTROPHOTOMETRIC ANALYSIS OF GREENSYNTHESIZED SILVER NANOPARTICLES AND ITS EFFECT ON GROWTH OF CLINICAL DRUG RESISTANT <i>Staphylococcus aureus</i> • Rishna Dalui and Amit Bandyopadhyay: MOTOR FITNESS OF MALE KARATE ATHLETES AND JUDO PRACTITIONERS OF KOLKATA, INDIA • Priti Sengupta, Sarmishtha Chanda and Aditya Bose: RUTIN- SERUM ALBUMIN INTERACTION IN DIFFERENT MEDIA AND ITS EFFECTIVE DOSE SELECTION IN RADIATION-INDUCED CYTOTOXICITY ON HUMAN BLOOD CELLS • Suchismita Daw and Sujata Law: Myelodysplastic Syndrome Related Haematopathological And Cellular Signalling Abberations • Tamal Ghorai, Amalendu Samanta & Sahana Mazumder: NEED OF DESIGNING THE SITTING ARRANGEMENT OF SCHOOL CHILDREN BASED ON ERGONOMICAL CONSCIOUSNESS • Priyanka Pal and Prabir Kr. Mukhopadhyay: STUDIES ON FLUORIDE INDUCED MALE REPRODUCTIVE DISORDERS- A DOSE DEPENDENT STUDY • Sayantika Das, Subrata Goswami and Somnath Gangopadhyay: OCCUPATIONAL STRESS AND POSTAL WORKERS • Tapomoy Chatterjee, Amalendu Samanta and Sahana Mazumder: POSTURAL LOAD OF UTENSIL (ALUMINIUM) MAKERS
<p>DAY 2 21.01.2020</p> <p>11:45 -01:45 PM</p> <p>TECHNICAL SESSION - III</p> <p>Animal, Veterinary & Fishery Sciences</p> <p>(Parallel Session) (BIOLOGY GALLERY, 2nd FLOOR)</p>	<ul style="list-style-type: none"> • Symposium Lecture Prof. Sagartirtha Sarkar, Professor, Department of Zoology, University of Calcutta • Invited Lecture Chaired by: Prof. Sagartirtha Sarkar <ul style="list-style-type: none"> • Dr. Suman Bhusan Chakraborty, Associate Professor, Department of Zoology, University of Calcutta: In search of suitable alternative to synthetic steroids for monosex tilapia production: an approach towards eco-friendly sustainable tilapia culture • Dr. Sujoy Ghosh, Assistant Professor, Department of Zoology, University of Calcutta: Down Syndrome: Science & Society • Oral Presentation Chaired by: Dr. Suman Bhusan Chakraborty & Dr. Sujoy Ghosh <ul style="list-style-type: none"> • Subarna Ghosh and Probir Kumar Bandyopadhyay: DEVELOPMENT AND APPLICATION OF AQUA-SOLUBLE HERBAL DRUG TO CONTROL THE PATHOGENS CAUSING HARM TO FISH INDUSTRY AND POPULARIZATION OF THE DRUG AMONGST THE FISH FARMERS FOR CAPACITY BUILDING OF YOUTHS OF WEAKER COMMUNITY IN WEST BENGAL • Dr. Debraj Biswal: ORGANOID: INNOVATIVE TOOLS FOR STUDYING HELMINTH INFECTIONS • Md. Golam Ambiya and Santi Ranjan Dey: THE POSSIBILITIES OF SUSTAINABLE MANAGEMENT OF AHIRAN LAKE: A CASE STUDY • Sutapa Sanyal and Arnab Chatterjee: ANTI-LISTERIA ACTIVITY OF FISH LACTIC ACID BACTERIA

<p style="text-align: center;">DAY 2 21.01.2020</p> <p style="text-align: center;">11:45 -01:45 PM</p> <p style="text-align: center;">TECHNICAL SESSION - III</p> <p style="text-align: center;">Social and Behavioral Science A (Sociology, Psychology)</p> <p style="text-align: center;">(Parallel Session) (CHEMISTRY GALLERY, 1st FLOOR)</p>	<ul style="list-style-type: none"> • Symposium Lecture Dr. Rudraprasad Chakraborty, MBBS, DPM, MD, Consultant Psychiatrist, Manobikashan, Murshidabad: Mental health: present scenario and role of technology Dr. Debaprasad Chatterjee, Associate Professor, Department of Sociology, Maulana Azad College: Technology, Women Empowerment and Rural Development • Invited Lecture Chaired by: Dr. Rudraprasad Chakraborty & Dr. Debaprasad Chatterjee <ul style="list-style-type: none"> • Dr. Chandana Aditya, Assistant Professor, Department of Psychology, Women's College: Resolving gender binary through digitalization in rural India: Emphasis on women empowerment • Dr. Sraboni Chatterjee, Assistant Professor, Bijoy Krishna Girls College: Common Mental Disorders and Risk Factors of People Living in Rural Communities • Dr. Tinni Dutta, Assistant Professor, Department of Psychology, Asutosh College: Ego functioning of Women in Rural areas • Oral Presentation Chaired by: Dr. Rudraprasad Chakraborty & Dr. Tinni Dutta <ul style="list-style-type: none"> • Chaiti Dasgupta and Dr. Mallika Banerjee: A CULTURAL EXPLORATION OF PROENVIRONMENTAL IN CHILDREN FROM KOLKATA • Debashree Sinha: USE OF SOCIAL NETWORKING SITES AMONG COLLEGE STUDENTS OF HOWRAH AND HOOGHLY AND ITS RELATION WITH THEIR SUBJECTIVE WELL-BEING • Madhulina Bauri: ECO FEMINIST STUDY OF SELECTED NOVELS OF TONI MORRISON • Reni Pal: ECOFEMINISM: WOMEN'S PROACTIVE ROLE IN ECO-REGENERATION • Sujata Saha: A COMPARATIVE STUDY ON MENOPAUSAL SYMPTOMS AND ITS EFFECT ON MENTAL HEALTH IN URBAN VERSUS RURAL
<p style="text-align: center;">DAY 2 21.01.2020</p> <p style="text-align: center;">02:30 -04:30 PM</p> <p style="text-align: center;">TECHNICAL SESSION - IV</p> <p style="text-align: center;">Social and Behavioral Science B (Economics)</p> <p style="text-align: center;">(Parallel Session) (BIOLOGY GALLERY, 2nd FLOOR)</p>	<ul style="list-style-type: none"> • Symposium Lecture Dr. Kumarjit Mondal, Associate Professor, Department of Economics, University of Calcutta • Invited Lecture Chaired by: Dr. Kumarjit Mondal <ul style="list-style-type: none"> • Dr. Sudip Mukherjee, Assistant Professor, Department of Economics, Dinabandhu Mahavidyalaya, Bongaon: Effect of Climate Change on Indian Agricultural Productivity • Oral Presentation Chaired by : Dr. Kumarjit Mondal & Dr Kaushik Lahiri, Associate Professor, Department of Economics, Surendranath College <ul style="list-style-type: none"> • Avik Chattopadhyaya and Tuhin Mukherjee: PERCEPTION OF RURAL FARMERS REGARDING SUSTAINABLE CROP INSURANCE POLICIES IN INDIA: AN APPRAISAL • Indira Halder: TECHNICAL EXTRACTION OF GROUNDWATER FOR IRRIGATION. A BLESSINGS OR CURSE? A CASE STUDY IN MURSHIDABAD DISTRICT OF WEST BENGAL • Sanjukta Mistri and Susmita Lahiri: URBANIZATION IMPACT ON THE TRADITIONAL WASTEWATER AQUACULTURE SYSTEM AND SOCIO-ECONOMIC CONDITION OF EAST KOLKATA WETLANDS

DAY 2
21.01.2020

02:30 -04:30 PM

**TECHNICAL
SESSION - IV**

**Mathematics,
Statistics and
Computer Sciences**

**(Parallel Session)
(CHEMISTRY
GALLERY, 1st
FLOOR)**

- **Symposium Lecture**

Chaired by: Dr. Bivas Chaudhuty, DDG AND Zonal Head, National Statistical Office, Government of India.

Professor Avishek Adhikari, Professor, Department of Mathematics, Presidency University: **Security of Multimedia Data: Few Important Issues**

Professor Susmita Chakraborty, Professor, Dept of Library Science, University of Calcutta: **Technology-enabled Information Services for uplifting the lives of rural people in India**

- **Invited Lecture**

Chaired by: Professor Avishek Adhikari & Professor Susmita Chakraborty

- **Dr.Soumen De**, Assistant Professor, Applied Mathematics, University of Calcutta: **Interaction of Ocean waves with floating and submerged bodies**
- **Dr. Sukanta Biswas**, Assistant Professor, Department of Mathematics, Ananda Mohan College: **Viscous dissipation and chemical reaction effects on mixed convective MHD oscillatory flow of Casson fluid**
- **Mr. Subhrajit Roy**, Assistant Professor, Department of Mathematics, Heramba Chandra College: **A study of atmospheric acoustic-gravity waves and its linear analysis for different phase states**

- **Oral Presentation**

Chaired by: Dr.Soumen De & Dr. Sukanta Biswas

- **Sagar Mondal and Dulal Pal**: ENTROPY GENERATION ANALYSIS ON MHD JEFFREY NANOFUID FLOW IN THE PRESENCE OF NONLINEAR THERMAL RADIATION OVER LINEAR STRETCHING SHEET USING SPECTRAL QUASILINEARIZATION METHOD
- **Sabyasachi Mukherjee**: CORRELATED SPATIOTEMPORAL DATA MODELING USING ADVANCED REGRESSION ANALYSIS TECHNIQUES
- **Dr. Netai Roy**: THERMAL RADIATION EFFECT ON HEAT TRANSFER OF A NANOFUID OVER STRETCHING SHEET
- **Gaurab Bhattacharyya**: HEALTH DIAGNOSIS FOR RURAL & URBAN PEOPLE USING STATISTICAL TECHNIQUES - A STUDY ON PLASMA VOLUME & RED CELL INDEX
- **Arun Sarkar**: Archimedean t -conorm and t -norm based Interval-valued Dual hesitant fuzzy prioritized aggregation operators and their application to multi-criteria group decision-making