

|    | Name of the Author/s   | Affiliation of 1st Author  | Title of the Paper  | Abs. No. |   | Sig |
|----|--|--|---|----------|---|-----|
| 1  | <i>Anamika Basu</i>  | Department of Biochemistry, Gurudas College, Kolkata   | A review on Anticancer activity of a flavonoid Chrysin  | MP-01    | O |     |
| 2  | <i>Anirban Ghosh</i>   | Immunobiology Lab., Dept.of Zoology, Panihati Mahavidyalaya, Sodepur   | A Study on Post-operative Glioma Samples: Searching Specificity in Heterogeneity  | MP-02    | O |     |
| 3  | <i>Arghya Laha et al</i>                                     | Allergology and Applied Entomology Research Laboratory, Post Graduate Department of Zoology, Barasat Government College, | Prevalence of food allergy among West Bengal population- an explanation by artificial intelligence  | MP-03    | O |     |
| 4  | <i>Animesh Dey and Tanmoy Bera</i>                           | Department of Pharmaceutical Technology, Jadavpur University, Kolkata  | Role of Anti-Epileptic Drugs in the Treatment of Tumor associated Epilepsy: an in vitro Study   | MP-04    | O |     |
| 5  | <i>Samarendra Nath Banerjee</i>                              | Department of Zoology, Rammohan College, Kolkata   | A new perspective in the field of Chromosome research: Role of chromosomal rearrangements in evolution and cancer   | MP-05    | O |     |
| 6  | <i>Rukshana Irani, Kazi Layla Khaled and Chayanika Dutta</i> | Department of Food & Nutrition, Raidighi College, Raidighi   | Evaluation of Amylose-Amylopectin Ratio of Bamboo Shoot and Plantain Stem and its relationship with Digestibility and Glycaemic Response                            | MP-06    | O |     |
| 7  | <i>Somangshu Chakraborty</i>                                 | D A P M R V Dental College, Bangalore  | Dentistry – Tooth and Beyond  | MP-07    | O |     |
| 8  | <i>Souvik Dhar et al</i>                                     | Department of Zoology, Parasitology & Immunobiology Unit, Serampore College  | Survey on amphistome infestations in cattles of district Hooghly, West Bengal   | MP-08    | P |     |
| 9  | <i>Moumita Das et al</i>                                     | Department of Physiology, Rammohan College   | Anti-oxidative and Hepatoprotective Potency of <i>Capsicum annum</i> against Ethanol Induced Toxicity: A Comparative Analysis between Aqueous and Ethanolic Extract | MP-09    | P |     |
| 10 | <i>Sukanya Bhattacharya</i>                                  | Department of Botany, Vidyasagar college   | Pharmacogenomics- The promise of personalized therapeutics  | MP-10    | O |     |
| 11 | <i>Rajdeb Banerjee et al</i>                                 | Department of Nephrology, NRS Medical College and Hospital   | Clinical, biochemical and hematological alterations in snake bite induced acute kidney injury: A search for early biomarker(s)                                      | MP-11    | P |     |

**Mathematical and Computer Sciences Scientific Session - B(i) Date: 27.02.2019 Time: 2.30 p.m. to 4.00 p.m.****Chairmperson: Prof. B. C. Chakraborty**

|   | <b>Name of the Author/s</b>                              | <b>Affiliation of the 1st Author</b>                                    | <b>Title of the Paper</b>  | <b>Abs. No.</b> | <b>O/P</b> | <b>Signature</b> |
|---|--|---|--|-----------------|------------|------------------|
| 1 | <i>Debjani Mondal</i>                                    | Department of Mathematics, Acharya Girish Chandra Bose College, Kolkata | Logistic Equation: A Simple Mathematical Model   | MC-01           | O          |                  |
| 2 | <i>Jayasree Das</i>                                      | Chittaranjan College Kolkata  | Ion-acoustic solitary wave solution of the combined MKdV-KdV-ZK equation               | MC-02           | O          |                  |
| 3 | <i>Sanjay Roy</i>  | Department of Mathematics, Uluberia College, Howrah                     | A few operations of soft sets over Linear Spaces                                       | MC-03           | O          |                  |
| 4 | <i>Pratap Mondal</i>                                     | Department of Mathematics, Bijoy Krishna Girls' College, Howrah         | Hyers-Ulam-Rassias Stability of Pexiderized Functional Equation in Fuzzy Banach Spaces | MC-04           | O          |                  |
| 5 | <i>Jayanta Ghosh</i>                                     | Department of Pure Mathematics, University of Calcutta, Kolkata         | SOFT RADICAL OF SOFT PRIMARY INT-IDEALS OF A RING                                      | MC-05           | O          |                  |
| 6 | <i>Masiur Rahaman Sardar and Mihir Kumar Chakraborty</i> | Department of Mathematics, City College, Kolkata                        | Representation theorem for Topological quasi-Boolean algebra via filters               | MC-06           | O          |                  |
| 7 | <i>Pitambar Das</i>                                      | Department of Mathematics, Netaji Nagar Day College, Kolkata            | Development of Estimation Strategy for Population Mean in Two-Phase Sampling           | MC-07           | O          |                  |

|    | Name of the Author/s  | Affiliation of the 1st Author   | Title of the Paper   | Abs. No. | P/O | Signature |
|----|---|---|--|----------|-----|-----------|
| 1  | <i>Tapas Kumar Ghosh</i>                                    | Department of Physics, Diamond Harbour Women's University, Sarisha                | Theoretical Study of Spectroscopic Constants and Thermo-chemical Data of the Ozone Depleting Complexes IO and BrO                    | PSE-01   | O   |           |
| 2  | <i>B. Basu, <u>Sarmishtha Dhar</u> and P. Bandyopadhyay</i> | Physics and Applied Mathematics Unit, Indian Statistical Institute Kolkata-700108 | Polarization of Quantum Hall States: Berry Phase Study And Existence of Skyrmions in Fully Polarized States                          | PSE-02   | O   |           |
| 3  | <i>Amar Nath Bhadra _ and Subhendu Podder</i>               | FIE, C. Engineer, Science Communicator  | Advances and Challenges in Super Critical and Ultra Super Critical Power Generation Technology                                       | PSE-03   | O   |           |
| 4  | <i>Partha Roy Chowdhury and D.N. Basu</i>                   | Chandrakona VidyasagarMahavidyalaya, Paschim Medinipore                           | R-mode instability & Gravitational waves from rotating Neutron stars   | PSE-04   | P   |           |
| 5  | <i>Anirban Bose</i>   | Department of Physics, Serampore College, Serampore                               | BBGKY hierarchy and pair correlation function of weakly correlated plasma  | PSE-05   | O   |           |
| 6  | <i>Arijit Ghosh and Saurav Giri</i>                         | Department of Physics, Ananda Mohan College, Kolkata                              | Octahedral rotation driven multiferroicity in $\text{SmCrO}_3$   | PSE-06   | O   |           |
| 7  | <i>Prosenjit Sarkar</i>                                     | Department of Physics, Serampore College, Serampore                               | Unusual Critical Behaviour of $(\text{Sm}_{1-x}\text{Nd}_x)_{0.52}\text{Sr}_{0.48}\text{MnO}_3$ ( $x = 0.6$ ) near tricritical point | PSE-07   | P   |           |
| 8  | <i>Jayee Sinha</i>  | Department of Electronic Science, University of Calcutta, Kolkata                 | Material Dispersion in Optical Fibre   | PSE-08   | O   |           |
| 9  | <i>Suman Sinha</i>  | Department of Physics, Sarsuna College, Kolkata                                   | Study of Magnetic Barkhausen Noise from amorphous ribbons  | PSE-09   | P   |           |
| 10 | <i>Subhrajyoti Biswas</i>                                   | Department of Physics, Rishi Bankim Chandra College, Naihati                      | Correction to the Charge Symmetry Breaking Nucleon-Nucleon Interaction Due to Mixing in Asymmetric Nuclear Matter                    | PSE-10   | O   |           |
| 11 | <i>Sankha Das</i>   | Department of Physics, Serampore College, Serampore                               | DETECTION OF SOLAR BURSTS BY USING FFT AND LPDA  | PSE-11   | P   |           |

**Agriculture and Environmental Sciences - Scientific Session - C Date : 28.02.19. 11.45 a.m. to 1.30 p.m. Chairperson: Dr. A. K. Sanyal**

|    | Name of the Author/s  | Affiliation of the 1st author  | Title of the Paper   | Abs.No | O/P | Sig |
|----|---|--|--|--------|-----|-----|
| 1  | <u>Meenakshi Mukhopadhyay,</u><br><i>Sudeshna Shyam Choudhury and Arup Kumar Mitra</i>    | Department of Botany, Vivekananda College, Kolkata   | Characterization of Potential Microorganisms from Low Productive Soil for their Subsequent Utilization in Improving Productivity   | AE-01  | P   |     |
| 2  | <i>Sreejata Biswas</i>  | Department of Zoology, Bangabasi Morning College, Kolkata  | Use of Vermicompost to Improve Germination in Saline Soil of Sunderbans  | AE-02  | O   |     |
| 3  | <i>Angana Pal</i>   | Bangabasi Morning College, Kolkata   | Beneficial and Harmful Aspect of Fertilizers and Pesticides on Soil Health and Its Impact on Environment   | AE-03  | P   |     |
| 4  | <i>Sanjib Kar</i>   | Department of Agricultural Chemistry & Soil Science, Institute of Agricultural Science, CU       | Potassium dynamics by quantity- intensity parameters of some rice growing soils of India   | AE-04  | P   |     |
| 5  | <u>Sayantani Upadhyay,</u> <i>Chitrita Chatterjee and Shampa Sarkar (Biswas)</i>          | Department of Life Sciences, Presidency University, Kolkata                                      | Characterization and Identification of Chromium Resistance and Plant Growth Promoting Substance Producing Soil Bacteria Isolated From Urbanized Sewage Regions             | AE-05  | P   |     |
| 6  | <u>Sucheta Ganguly</u> and <i>Supriti Sarkar</i>  | City College, Kolkata  | Nests of our neighbouring birds  | AE-06  | P   |     |
| 7  | <u>Chitrita Chatterjee,</u><br><i>Rabindranath Bhattacharyy, and Shampa Sarkar Biswas</i> | Department of Life Sciences, Presidency University   | The Role of Municipal Sewage Microbes in Chromium Accumulation and Reduction   | AE-07  | O   |     |
| 8  | <i>Debarati Das</i>   | New Alipore College, Kolkata-700053  | A hydroponic Study on the Effects of Selenate in Rice ( <i>Oryza sativa</i> L.) Seedlings and Its Possible Reversal by Sulphate  | AE-08  | O   |     |
| 9  | <i>Mousumi Das</i>  | Department of Zoology, Vidyasagar College, Kolkata   | Comparative Account on Reproductive Potential, Adult Life Span and Body Weight of Two Acridids (Orthoptera: Acrididae) Fed With Two Different Food Plants                  | AE-09  | O   |     |
| 10 | <u>Shreyasi Gupta,</u> <i>Dilip Mukherjee*</i> and <i>Ashis Kumar Panigrahi</i>           | Department of Zoology, Kalyani University, Kalyani, Nadia  | <i>Labeorohita</i> swim-up fry, establishing a new model to study endocrine disrupting chemicalcontamination in aquatic environment -in context of reproductive toxicology | AE-10  | P   |     |
| 11 | <i>Jayeeta Banerjee et al</i>   | Department of Chemical Engineering, University of Calcutta                                       | Optimization of physical parameters for Ni(II) biosorption from aqueous solution by Ni+2resistant <i>Saccharomyces cerevisea</i> RA100                                     | AE-11  | O   |     |
| 12 | <i>Ashoka Chakkaravarthy,Q and Rajan, K</i>   | <sup>1</sup> Conservation Field Biologist and Freelance Environmental Journalist,Tiruchirappalli | Avian Diversity in Human-Modified Ecosystems: a case study in Tamil Nadu, India  | AE-12  | P   |     |
| 13 | <i>Sourav Kumar Khan and Sanjib Kar</i>   | Department of Agricultural Chemistry & Soil Science, Institute of Agricultural Science, CU       | Soil surface charge is an index of soil fertility and productivity   | AE-13  | O   |     |

**Information Technology and Library Science      Scientific Session: D. Date: 28.02.2019 Time: 11.45 A.M. to 1.30 P.M.**

**Chairperson: Prof. K. P. Majumder**

|   | <b>Name of the Author/s</b>  | <b>Affiliation of the 1st Author</b>   | <b>Title of the Paper</b>   | <b>Abs.No.</b> | <b>O/P</b> | <b>Signature</b> |
|---|--|--|---|----------------|------------|------------------|
| 1 | <i>Dhiman Mondal</i> and <i>Nitai Raychoudhury</i>                 | Ananda Mohan College, Kolkata  | Status of Indian S&T Journals on the global scale - 2018  | IL-01          | P          |                  |
| 2 | <i>Priyanko Sen</i> and <i>Anupam Ghosh</i>                        | Netaji Subhas Open University Library, Kalyani, Nadia  | Open learning environment: Role of open university libraries  | IL-02          | O          |                  |
| 3 | <i>Dipak Kumar Kundu</i>   | Satyapriya Roy College of Education, Kolkata   | Cognition of Electronic Resources Among Students in Engineering Colleges: A Case Study  | IL-03          | O          |                  |
| 4 | <i>Monisankar Sarbabidya</i>                                       | Dept. of Economics, Vidyasagar College   | An Economic Analysis of the IT-ITES sector in India with a special emphasis on the formal Business Process Outsourcing Industry (2003-2017) | IL-04          | O          |                  |
| 5 | <i>Sruti Biswas</i>  | Deept. of Library and Information Science, Rabindra Bharati University, Kolkata                | Smart City, Makerspace, and Sustainable Development: A Transformation of Modern Librarianship   | IL-05          | O          |                  |
| 6 | <i>Hirak Samadder</i> , <i>Sutapa Paul</i> and <i>Sonali Dutta</i> | Deept. of Library and Information Science, Rabindra Bharati University, Kolkata                | A study of E-journals Consortia for Different Subject Fields in India   | IL-06          | O          |                  |
| 7 | <i>Monali Mitra (Paladhi)</i>                                      | Library, Documentation and Information Service Division, Indian Statistical Institute, Kolkata | Anti-plagiarism software: a tool to ensure quality research and academic excellence- a case study of Indian Statistical Institute, Kolkata  | IL-07          | O          |                  |

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|---|---|--|--|---------|------|-----------|
| 1 | <i>Pritam Chandra et al</i>   | Post Graduate Department of Zoology,<br>Maulana Azad College   | Parasitic burden and subsequent immune status of<br>common toad ( <i>Bufo</i> sp.) during rainy season: a preliminary<br>study       | LS-49   | O/E1 |           |
| 2 | <i>Arkajo Majumdar</i> and <i>Rup<br/>Kumar Kar</i>   | <sup>2</sup> Department of Botany, City College  | Orchestration of ROS Enzymes with PM H <sup>+</sup> -ATPase<br>Mediates Early Root Growth  | LS-50   | O/E1 |           |
| 3 | <i>Raghwendra Mishra</i> <sup>1*</sup> and<br><i>Roshnara Mishra</i> <sup>2</sup>                                     | Department of Physiology, Ananda Mohan<br>College  | Biomarkers for Acute Kidney Injury: A meta-analysis  | LS-52   | O/E1 |           |
| 4 | <i>Roshnara Mishra</i> <sup>1*</sup> , <i>Sudeshna<br/>Kundu</i> <sup>1</sup> , <i>Raghwendra Mishra</i> <sup>2</sup> | Department of Physiology, University of<br>Calcutta  | Conjugated and unconjugated nano gold in noninvasive<br>delivery of anti-snake venom serum   | LS-53   | O/E1 |           |
| 5 | <i>Soma Das, Amit<br/>Bandyopadhyay and Md.<br/>Kutubuddin Halder</i>   | <sup>1</sup> Sports and Exercise Physiology Laboratory,<br>Department of Physiology, University of<br>Calcutta | Physical Fitness and Academic Achievement: A<br>Correlational Study  | LS-55   | O/E1 |           |
| 6 | <i>Tamal Das</i> <sup>*1</sup> and <i>Samir<br/>Kumar Ghosh</i> <sup>2</sup>  | <sup>1</sup> Assistant Professor and Head,<br>Department of Physiology, Vidyasagar<br>Evening College, Kolkata | An Ergonomic Study on the Onset of Musculoskeletal<br>Disorders among the Brass Metal Workers of Berhampore,<br>West Bengal          | LS-57   | O/E1 |           |
| 7 | <i>Subhendu Bikash Patra</i>  | Department of Zoology, B.K.C.College,<br>Kolkata   | ABUNDANCE OF GENUS BRACHIONUS<br>(ROTIFERA) OF TWO FRESHWATER WETLANDS<br>OF KOLKATA IN RELATION TO SOME ABIOTIC<br>FACTORS          | LS-59   | O/E1 |           |
| 8 | <i>Debasis Mandal</i>   | Assistant Professor, Department of<br>Botany, Dr. A.P. J. Abdul Kalam Govt.<br>College                         | Ecological and Socio-economic Importance of East<br>Kolkata Wetlands: A significant Biodiversity rich Ramsar<br>site in West Bengal. | LS-63   | O/E1 |           |

|   | Name of the Author/s                        | Affiliation of the first author   | Title of the Paper   | Abs.No. | O/P  | Signature |
|---|---|---|--|---------|------|-----------|
| 1 | <i>Amit Bandyopadhyay</i>                   | Sports and Exercise Physiology Laboratory, Department of Physiology, CU           | Exercise Induced Muscle Damage and Oxidative Stress in Bengalee Children   | LS-02   | O/E2 |           |
| 2 | <i>Srikanta Guria</i>                       | Post Graduate Department of Zoology, Barasat Govt. College                        | Effect of Pollutants on Death Profile of Invertebrate Defensive Cells (Hemocytes)  | LS-07   | O/E2 |           |
| 3 | <i>Jayeeta Banerjee</i>                     | Department of Physiology, Ananda Mohan College                                    | Background Colour and On Screen Visual Information Processing - An eye Movement Study  | LS-09   | O/E2 |           |
| 4 | <i>Tamoghni Manna and Snehunsu Adhikari</i> | Department of Physiology, Human Performance Laboratory, Sports Authority of India | Biochemical Profile of Indian Male and Female Athletes Among Different Disciplines: A Comparative Study                      | LS-10   | O/E2 |           |
| 5 | <i>Dr. Dolan Das</i>                        | Department of Physiology, Kalyani Mahavidyalaya, Kalyani, Nadia                   | Ameliorating role of black tea ( <i>Camellia sinensis</i> ) in chronic ethanol + cholecystokinin – induced pancreatitis      | LS-13   | O/E2 |           |
| 6 | <i>Angshuman Biswas</i>                     | Assistant Professor of Zoology, Sreegopal Banerjee College, Magra, Hooghly        | Tracing the effect of Imidacloprid on <i>Channa punctatus</i> (Bloch)  | LS-14   | O/E2 |           |
| 7 | <i>Sanjib Bose</i>                          | Sreegopal Banerjee College, Mogra, Hooghly  | The Current Status and Socio-Economic Importance of Small Indigenous Fish Species (SIFS) in Hooghly District of South Bengal | LS-64   | O/E2 |           |
| 8 | <i>Diptendu Mukherjee et al</i>             | Alexander Silberman Institute of Life Science, Hebrew University of Jerusalem     | Combinatorial transcriptional analysis reveals complex molecular and neural circuit mechanisms regulated by cocaine          | LS-69   | O/E2 |           |
| 9 | <i>Paulami Chowdhury</i>                    | Department of Zoology for UG and PG studies, Serampore College                    | Importance of Genetic Studies in Conservation of Asiatic Lions   | LS-70   | O/E2 |           |

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|---|--|--|---|---------|------|-----------|
| 1 | <u>Anindita Singha Roy</u> <sup>1*</sup> and<br><u>Amit Bandyopadhyay</u> <sup>1</sup> | Sports and Exercise Physiology Laboratory,<br>Department of Physiology, CU | Effect of Ramadan Intermittent Fasting on Selective<br>Fitness ProfileParameters in Young Muslim Males of<br>Kolkata, India   | LS-03   | O/E3 |           |
| 2 | <u>Pallab Sarkar</u>   | Department of Physiology, City College                                     | Effect of Extinction of <i>Gyps</i> Vulture on Dog population: A<br>field Study   | LS-06   | O/E3 |           |
| 3 | <u>Ankita Dey, and Chiranjeeb<br/>Dey</u>  | Department of Zoology for UG & PG<br>Studies, Serampore College, Hoogly    | SEASONAL VARIATION STUDY OF<br>ACANTHOCEPHALAN INFECTION IN FRESH<br>WATER FISH, <i>Channa punctatus</i> IN HOOGHLY<br>REGION | LS-28   | O/E3 |           |
| 4 | <u>Papiya Ghosh*</u> , <u>Sumana<br/>Mallick</u> <sup>2</sup> & <u>JR.Vedasiromoni</u> | Bijoy Krishna Girls' College,5/3 M.G.Road,<br>Howrah                       | Potent antileukemic effect of Jute<br>( <i>Corchorusacutangulus</i> )   | LS-38   | O/E3 |           |
| 5 | <u>Deepak Kumar Kaushik etal<br/>Rupanjan Mukhopadhyay</u>                             | NBRC, Manesar India  | Therapeutic targeting of Krüppel-like factor 4 that evades<br>microglial activation   | LS-47   | O/E3 |           |
| 6 | <u>Swarnali Das et al<br/>Tapas Kumar Misra</u>  | Department of Zoology; Bethune<br>College                                  | A Report On The Snail Diversity And Seasonal Variation<br>At Baruipur, A Sub-urban Locality Of Southern West<br>Bengal        | LS-65   | O/E3 |           |
| 7 | <u>Mintu Deyashi, Kamales Kumar<br/>Misra and Suman Bhusan<br/>Chakraborty</u>         | Department of Zoology, Dr. A.P.J.<br>Abdul Kalam Govt                      | Study of behavioural alterations of freshwater crab as<br>biomarkers of the piscicide toxicity                                | LS-73   | O/E3 |           |



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|----|--|--|---|-------|-----|-----------|
| 1  | <i>Amit Mondal</i>                               | Department of Chemistry,<br>Brahmananda Keshab Chandra<br>College, Kolkata               | Kinetics and mechanism of oxidation of hydrazine with metal bound superoxide  | CS-01 | P   |           |
| 2  | <i>Biswajit Panda</i>                            | Department of Chemistry, City<br>College, Kolkata  | Gold Catalyzed Benzannulation of Pyridine-containing Oxo-alkynes with Alkynes: Mechanistic Investigations and Beyond  | CS-02 | O   |           |
| 3  | <i>Hari Shankar Biswas</i>                       | Department of Chemistry, Surendranath<br>College, Kolkata                                | Production of Graphene Oxide from Hydrogenated Diamond Like Carbon and Protein immobilization onto it: Characterization and study of Practical application  | CS-03 | O   |           |
| 4  | <i>Pampa Guha</i>                                | Department of Chemistry, City<br>College, Kolkata  | Click Chemistry: Chelation assisted Cu(OAc) <sub>2</sub> accelerated azide-alkyne cycloaddition   | CS-04 | O   |           |
| 5  | <i>Pallab Bhowmik</i>                            | Sundarban Mahavidyalaya  | Role of steric crowding of ligands in the formation of hydroxido bridged di- and trinuclear copper (II) complexes: structures and magnetic properties       | CS-05 | P   |           |
| 6  | <i>Monirul Islam</i>                             | Department of Chemistry, Seth Anandram<br>Jaipuria College, Kolkata                      | Kinetics and Mechanism of Hetero-aromatic N-base ligand 1,10-Phenanthroline Assisted Chromic acid Oxidation of DL-Malic Acid in Aqueous Micellar Acid Media | CS-06 | O   |           |
| 7  | <i>Sanjay Kumar Mandal</i>                       | Department of Chemistry, Sundarban<br>Hazi Desarat College, Pathankhali; South<br>24 Pgs | Bioaccumulation of rare earth elements by mangroves of Sundarban, India   | CS-07 | P   |           |
| 8  | <i>Dr Tanbir Nasim</i>                           | Bijoy Krishna Girls' College, Howrah   | Flocculation of kaolin suspension using aqueous extract of Okra pod as a novel green flocculant   | CS-08 | P   |           |
| 9  | <i>Dr Shubhatam Sen</i>                          | The Heritage College, Kolkata  | Electric Field as an Alternate Tool to Destroy Amyloid Aggregates   | CS-09 | O   |           |
| 10 | <i>Somsukla Boral</i>                            | University of Calcutta, Kolkata  | Metallurgy as reflected in the Coins of Ancient India   | CS-10 | O   |           |
| 11 | <i>Ritam Mukherjee</i>                           | Department of Chemistry, Trivenidevi<br>Bhalotia College, Raniganj                       | Reductions by Aqueous Titanium(II)  | CS-11 | P   |           |
| 12 | <i>Ritu Mukherjee</i>                            | Department of Chemistry, Dum Dum<br>Motijheel College, Kolkata                           | Oxidation of thiols by metal coordinated superoxide in acidic media   | CS-12 | P   |           |
| 13 | <i>Sohini Khan, and<br/>Soumyadeep Mukherjee</i> | Department of Chemistry, City<br>College, Kolkata  | Hypatia, World's First Tortured Female Scientist  | CS-13 | P   |           |
| 14 | <i>Joyeeta Roy and Sudeshna<br/>Sawoo</i>        | Department of Chemistry, Seth Anandram<br>Jaipuria College, Kolkata                      | Synthesis of different substituted Cyanine dyes and studies its UV absorbance properties thereof  | CS-14 | O   |           |

## Chairpersons: Dr. T. K. Mondal and Dr. P. Dutta

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|----|--|--|--|-------|-----|-----------|
| 15 | <i>Manoj Ghosh, Anup Datta and Rajesh Dey</i>                      | Department of Chemistry, City College, Kolkata           | Green Chemistry  | CS-15 | P   |           |
| 16 | <i>Tapan Kumar Si, Suparna Chatterjee and Kalyan. K. Mukherjea</i> | Department of Chemistry, Bidhan Chandra College, Asansol | Molecular Configuration of Mononuclear Mn(III)Azide Complexes, [Mn <sup>III</sup> (L)(N <sub>3</sub> )(S)] with Chiral Schiffbase (H <sub>2</sub> L) [S = H <sub>2</sub> O, CH <sub>3</sub> OH or DMF ] and DNA Cleavage Study | CS-16 | O   |           |
| 17 | <i>AshisDey</i>  | Department of Chemistry, Sarsuna College, Kolkata        | Synthesis, Optical,Electrical and Microstructural Properties of Polymer Intercalated Nanocomposites  | CS-17 | O   |           |
| 18 | <i>Sk Md Samim Akhtar, Sk Mohammad Aziz and Saumen Hajra</i>       | Department of Chemistry, Bidhan Chandra College, Asansol | Catalytic asymmetric aminolactonization reactions in synthesis of biologically important <i>trans</i> - g- and d- aminolactones  | CS-18 | O   |           |

## Chairperson: Prof. M.K. Chakrabarti and Dr. A. Majumdar

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|----|---|---|---|---------|-----|-----------|
| 1  | <u>Jayjeet Majumdar</u> <sup>1</sup> and <u>Supriti Sarkar</u> <sup>1*</sup>  | City College, 102/1<br>RajaRammohanSarani,Kolkata-700009,<br>West Bengal                    | Trigonelline of Fenugreek Seed Extract has GLP-1 and GLP-1R Secretagogue Activities-A Novel Approach towards Diabetes Phytotherapy  | LS-01   | P   |           |
| 2  | <u>Asis Kumar Pal et al</u>   | <sup>1</sup> Department of Botany, Vivekananda College, Thakurpukur, Kolkata                | Ethnobotanical, Phytochemical and Pharmacological Overview of <i>E. agallocha</i> (Blind – Your –Eye Mangrove): Future Prospects  | LS-04   | P   |           |
| 3  | <u>Sujoy Sarkar</u>   | Department of Zoology, Bangabasi Morning College, Kolkata                                   | Biological Control of Plant Lice for Environmental Protection in Himalayan Region   | LS-05   | P   |           |
| 4  | <u>Susraba Chatterjee</u> <sup>1</sup> and <u>Srikanta Guria</u> <sup>1*</sup>  | Post Graduate Department of Zoology, Barasat Govt. College                                  | Different Categories of Haemocytes Found in Insects (Orthoptera) Collected From Navegaon and Tadoba National Park and Its Adjoining Areas                                   | LS-08   | P   |           |
| 5  | <u>Dr. Waliza Ansar</u>   | Zoology Department, Behala College  | Inflammation: A key process in diseases   | LS-11   | P   |           |
| 6  | <u>Shilpi Kumari Prasad et al</u>   | <sup>1</sup> Department of Physiology, Serampore College, Serampore, Hooghly                | Effects of coal dust exposure on pulmonary function of underground coalmine workers of West Bengal, India   | LS-12   | P   |           |
| 7  | <u>Debarati Mukherjee</u> and <u>Paramaa Raha</u>   | Post Graduate Department of Zoology, Bethune College, Kolkata                               | Change in enzyme activity of Arginosuccinate Lyase in <i>Channa punctatus</i> under hyperammonia stress   | LS-15   | P   |           |
| 8  | <u>Manojit De</u> and <u>Suman Bhusan Chakraborty</u> *   | Fish Endocrinology Research Unit, Department of Zoology, University of Calcutta             | Assessing Efficiency of <i>Withania somnifera</i> and <i>Chlorophytum borivillianum</i> Root Aqueous Extracts to Induce Sex Reversal in Nile tilapia by Immersion Treatment | LS-16   | P   |           |
| 9  | <u>Iloara Parvin, Swarnali Das, Pooja Sen and Samita Kundu</u>  | Department of Zoology, Vivekananda College, Kolkata   | Tracing the effect of acetaminophen on some biochemical parameters in <i>Oreochromis</i> sp.  | LS-17   | P   |           |
| 10 | <u>Dona Banerjee</u> <sup>1</sup> , <u>Banani Mandal</u> <sup>2</sup> and <u>Arunava Mukherjee</u> <sup>3</sup>         | <sup>1</sup> Department of Zoology, City College, Kolkata – 700009                          | Natural Carotenoids of Marigold Petals Cause Enhanced Growth and Colouration of <i>Barbus tetrazona</i>   | LS-18   | P   |           |
| 11 | <u>Mriganka Mandal</u>  | Dr. Kanailal Bhattacharyya College, Howrah  | Induction of apoptosis in HeLa cells by attenuated Leishmanial Sphingolipids through caspase mediated pathway   | LS-19   | P   |           |
| 12 | <u>Adity Sarbajna</u> <sup>1</sup> , <u>Saheli Kumar</u> <sup>2</sup> and <u>Suman Bhusan Chakraborty</u> <sup>2*</sup> | <sup>1</sup> Surendranath College, Kolkata, 2 Department of Zoology, University of Calcutta | Consequences of metal accumulation on antioxidant status in muscle of an indigenous fish species of Indian Sunderban  | LS-20   | P   |           |
| 13 | <u>Mohua Das</u> <sup>1</sup> , <u>J. K. Kundu</u> <sup>2</sup> and <u>K. K. Misra</u> <sup>3*</sup>                    | <sup>1</sup> Department of Zoology, Shyampur Siddheswari Mahavidyalaya, Howrah              | Various Lipid and Fatty Acids in the Muscle and Hepatopancreas of <i>Scylla serrata</i>   | LS-21   | P   |           |
| 14 | <u>Madhurima Chowdhury et al</u>  | <sup>1</sup> Department of Zoology, Asutosh College,  | Effect of coconut water against UV radiation induced damage in fruitfly   | LS-22   | P   |           |

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| 15 | <u>Puja Roy, Soumya Sundar Kumar and Asima Das</u>   | Department of Physiology, Serampore College, Serampore, Hooghly.                | Protective Effect of Resveratrol Against Whole Body Heat Induced Oxidative Damage in Testicular Tissue.   | LS-23   | P   |           |
| 16 | <u>Soumya Sundar Kumar, Puja Roy, Asima Das</u>  | Department of Physiology, Serampore College, Serampore, Hooghly.                | Modulation of HSP Expression by TCW Can Protect the Morphology and Motility of Sperm Cells in Acute Whole Body Heat Exposed Rats  | LS-24   | P   |           |
| 17 | <u>Soumen Roy<sup>1*</sup>, Korak Kanti Chaki<sup>1</sup>, and Kamales Kumar Misra<sup>2</sup></u> | <sup>1</sup> City College, 102/1 RajaRammohanSarani,Kolkata-700009, West Bengal | Micro-morphology of circulating immunocytes of <i>Achatina (Lissachatina) fulica</i> (Férussac, 1821), against yeast  | LS-25   | P   |           |
| 18 | <u>ZulekhaParveen et al SudeshnaKundu</u>  | Entomology Research Unit, Department of Zoology, Serampore College, Hooghly     | Insecticidal and Antifeedant effects of dried powdered materials of indigenous medicinal plants against Rice weevil <i>Sitophilusoryzae</i> (L.) (Coleoptera :Curulionidae) | LS-26   | P   |           |
| 19 | <u>Tithi Dutta et al</u>   | <sup>1</sup> Department of Genetics, University of Calcutta, Kolkata            | A comprehensive insight into OCA genetics of West Bengal  | LS-27   | P   |           |
| 20 | <u>Sudipta Chowdhury and Samarendra Nath Banerjee</u>  | Department of Zoology, Rammohan College, Kolkata                                | Cytotoxic potential of Betel nut extract on S-180 tumour bearing mouse  | LS-29   | P   |           |
| 21 | <u>Gargi Sarkar et al</u>  | <sup>1</sup> Vidyasagar College, 39 Sankar Ghosh Lane, Kolkata                  | Food Diversity, Feeding Preference, Seasonal Impact on Measurement of Linear Growth & Body Weight of Banded Gourami ( <i>Trichogaster fasciata</i> )                        | LS-30   | P   |           |
| 22 | <u>Sagarika Mukhopadhyay<sup>1*</sup> and Maitree Bhattacharyya<sup>2</sup></u>                    | Department of Physiology, City College, Kolkata                                 | Could Disorganization of Erythrocyte Membrane Implicate Potent and Cost-Effective Biomarkers for the Early Diagnosis of Cervical Cancer?                                    | LS-31   | P   |           |
| 23 | <u>Mandakranta Dasgupta<sup>1</sup> and Ankur Bhowal<sup>2</sup></u>                               | <sup>1</sup> Post Graduate section, Department of Zoology, Vidyasagar College   | The influence of urban parks on avifauna of Salt Lake City, Kolkata: A preliminary study  | LS-32   | P   |           |
| 24 | <u>Souradeep Das et al</u>   | Post-Graduate Department of Zoology, Maulana Azad College, Kolkata              | Impact Of <i>Thelohanellus</i> sp. On <i>Cirrhinusmrigala</i> : HaematologicalAnd Histopathological Changes   | LS-33   | P   |           |
| 25 | <u>Mayurakshi Thakur et al</u>   | <sup>1</sup> Department of Zoology (UG+PG), Vidyasagar College                  | Tissue and Stress Specific Esterase Isozyme Polymorphism in Stinging cat fish - <i>Heteropneustes fossilis</i> , (Bloch, 1794) – a pilot study                              | LS-34   | P   |           |
| 26 | <u>Anasua Banerjee and Samarendra Nath Banerjee</u>  | Department of Zoology, Rammohan College, Kolkata                                | Therapeutic efficacy of Pomegranate extract in combination with 2-Methoxyestradiol  | LS-35   | P   |           |
| 27 | <u>Pritam Chandra et al</u>  | Post-Graduate Department of Zoology, Maulana Azad College, Kolkata              | Parasitic burden and subsequent immune status of common toad ( <i>Bufo</i> sp.) during rainy season: a preliminary study  | LS-36   | P   |           |
| 28 | <u>ArkadeepMitra</u>   | City College, Kolkata-700009  | Interactome Analysis: An excellent tool to study complex disorders  | LS-37   | P   |           |

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| 29 | <u>Madhumita Mondal<sup>1</sup> and K.K.Misra<sup>2</sup></u>   | <sup>1</sup> Department of Zoology, Shyampur Siddheswari Mahavidyalaya, Ajodhya, West Bengal | Comparison of lipid and fatty acids uptake among cestode, nematode and trematode from their respective hosts showing association between host and parasite                                    | LS-39   | P   |           |
| 30 | <u>Srijata Chakraborty et al</u>  | Department of Zoology, Bethune College   | A Short-Term Survey Report On The Post-monsoon Avian Diversity In Acharya Jagadish Chandra Bose Indian Botanical Garden And Associated Areas, Shibpur , Howrah                                | LS-40   | P   |           |
| 31 | <u>Vikky Shaw*</u> , <u>Sudipta Dasbaksi</u> , <u>Amit Chattopadhyay</u>                                    | VECTOR MOLECULAR GENETICS RESEARCH UNIT, DEPARTMENT OF ZOOLOGY, SERAMPORE COLLEGE            | GUT MICROBIOTA OF <i>Anopheles</i> MOSQUITOES AND THEIR IMPLICATION TO CONTROL THE VECTORIAL ABILITY  | LS-41   | P   |           |
| 32 | <u>Arnab Banerjee et al Sandipan Roy</u>  | Post Graduate Department of Physiology, Serampore College                                    | Possible Cytotoxic Activity of <i>Annonamuricata</i> Leaves in Huh-7 Human Liver Cancer Cells   | LS-42   | P   |           |
| 33 | <u>Arnab Banerjee et al Rajarshi Paul</u>   | Post Graduate Department of Physiology, Serampore College                                    | Assessment of formaldehyde toxicity on human embryonic kidney cells   | LS-43   | P   |           |
| 34 | <u>Moupriya Mistry et al</u>  | PG Department of Zoology, Bethune College  | Vitamin D deficiency and bone health  | LS-44   | P   |           |
| 35 | <u>Deblina Nath et al</u>   | Post Graduate Department of Zoology, Bethune College, Kolkata                                | Role of platelets in angiogenesis – a short review  | LS-45   | P   |           |
| 36 | <u>Shroyon Sarkar et al</u>   | Department of Zoology (UG+PG), Vidyasagar College  | “Panna National Park” and “Ken-Betwa National River Linking Project”: Two Controversial Developments - Sinking Biodiversity as dividend! A mini-review  | LS-46   | P   |           |
| 37 | <u>Trija Nag Chowdhury et al Shrestha Ghosh</u>   | Department of Zoology for UG and PG studies, Serampore College                               | A Scientific Combat Against Malaria   | LS-48   | P   |           |
| 38 | <u>Souradeep Daset et al</u>  | Post-Graduate Department of Zoology, Maulana Azad College, Kolkata                           | Impact Of <i>Thelohanellus</i> sp. On <i>Cirrhinus mrigala</i> : Haematological And Histopathological Changes   | LS-51   | P   |           |
| 39 | <u>Farhat Nasim<sup>1</sup></u> , <u>Raghwendra Mishra<sup>2</sup></u> , <u>Roshnara Mishra<sup>1</sup></u> | Department of Physiology, University of Calcutta   | Domestic method of decaffeination of blacktea as a first aid to ameliorates the severity of Russell's viper venom induced acute kidney injury in experiment murine model                      | LS-54   | P   |           |
| 40 | <u>Saikat Roy et al</u>   | <sup>1</sup> Department of Zoology, Maharaja Manindra Chandra College                        | Effect of <i>Hygrophila polysperma</i> (Kulekhara) leaf extract treatment on Bleaching Powder induced toxicity in <i>Ophiocephalus (Channa) punctatus</i> (Bloch, 1793) – A preliminary study | LS-56   | P   |           |
| 41 | <u>Ishita Ray</u>   | Department of Zoology, Sarsuna College   | E WASTE –AN EMERGING WASTE PROBLEM IN INDIA   | LS-58   | P   |           |
| 42 | <u>Arnab Basu et al</u>   | <sup>1</sup> Department of Zoology (P.G. section), Vidyasagar College                        | SEASONAL VARIATIONS IN PRIMARY PRODUCTIVITY IN THE MIDDLE REACHES OF THE RIVER ICHAMATI, WEST BENGAL, INDIA   | LS-60   | P   |           |

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| 43 | <i>Rituparna Chatterjee &amp; Suchismita De</i>                           | Department of Zoology, SammilaniMahavidyalaya, Kolkata   | Levels of Protein in few commonly consumed Fish & Vegetables   | LS-61   | P   |           |
| 44 | <i>Sasanka Pramanik and Jayanta Kumar Biswas</i>                          | <sup>1</sup> Department of Zoology Sreegopal Banerjee College, Bagati, Mogra, Hooghly                    | Haematological changes of <i>Channa punctatus</i> infected by Ectoparasites  | LS-62   | P   |           |
| 45 | <i>Anirban Chandra Das, Asima Das Chattopadhyay and Minakshi Mazumdar</i> | Vidyasagar College, Post Graduate Department of Zoology  | Biofilm Formation by <i>Flavobacterium columnare</i> causing Columnaris Disease in Fishes: An Evolutionary Dynamics during Host Pathogen Interaction – Retrospective Study | LS-66   | P   |           |
| 46 | <i>Sudipta Dasbaksi, Vikky Shaw and Amit Chattopadhyay</i>                | Vector molecular genetics research unit, Department of zoology for UG and PG studies, Serampore College, | PHYTOCHEMICALS AND THEIR LARVICIDAL PROPERTIES FOR THE CONTROL OF <i>Culex</i> MOSQUITO  | LS-67   | P   |           |
| 47 | <i>Debjani Mandal, Uday Sankar Ray and Pratiti Ghosh</i>                  | Dept. of Physiology, West Bengal State University, Barasat   | Truncal Growth Pattern of Yogasana Practising Children and Adolescents   | LS-68   | P   |           |
| 48 | <i>Sudeshna Kundu et al</i>   | Department of Physiology, University of Calcutta   | NANOGOLD CONJUGATION BOOSTS STABILITY AND POTENTIALITY OF ANTI-SNAKE VENOM SERUM   | LS-71   | P   |           |
| 49 | <i>Sreyasi Das, Roshnara Mishra and Raghwendra Mishra</i>                 | Department of Physiology, Ananda Mohan College   | Immune alteration in Russell's Viper venom induced acute kidney injury: With special reference to T lymphocyte   | LS-72   | P   |           |
| 50 | <i>Indraneel Saha</i>   | Department of Zoology, Sarsuna College, Kolkata  | Effect of arecoline on pineal-testicular axis in rats subjected to hypothermia during photophase   | LS-74   | P   |           |
| 51 | <i>Tanumay Paul and Minakshi Mazumdar</i>                                 | Department of Zoology (PG), Vidyasagar College, Kolkata  | <i>Plumeria</i> Extract Rearrange Pro-Cancerous Environment of T-Cell Population in S180-induced Tumor-Bearing Mice  | LS-75   | P   |           |