

## Program Schedule: IABS South Zone – 2022

**Day1: 8<sup>th</sup> September 2022 (Thursday)**

08.30-09.00	<b>Welcome &amp; Registration</b>
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### **Conference Talks: Session-I (Offline)**

<b>Chairpersons</b>	<b>Dr. B. S. Shankarnarayana Rao</b> , NIMHANS, Bengaluru, & <b>Dr. Thuppil Venkatesh</b> , Bengaluru.
09:00-09:20	Stunted Angiogenesis and Vascular Remodeling in the Failing Heart. <b>Dr. Hari. S. Sharma</b> , University Medical Center, Rotterdam, The Netherlands.
09:20-9:40	Impact of copy number variations on human health. <b>Dr. Nallur B. Ramachandra</b> , University of Mysore, Mysuru.
09:40-10:00	From Bedside To Bedside. <b>Dr. Manjula Das</b> , Mazumdar Shaw Center for Translational Research, Bangalore.
10:00-10:20	AI-enabled Digital Histopathology: an Emerging platform for Oncology Diagnostics. <b>Dr. Sujan K Dhar</b> , Mazumdar Shaw Medical Foundation, Bangalore.
10:20-10:40	Assessment of genotoxicity and oxidative stress in non-occupational pregnant women exposed to organochlorine pesticides and its correlation with pregnancy outcome. <b>Dr. Abbas Ali Mahdi</b> , King George's Medical University, Lucknow.
10:40-11:00	<b><i>Tea/Coffee Break</i></b>

### **Conference Talks: Session-II (Offline)**

<b>Chairpersons:</b>	<b>Dr. Abbas Ali Mahdi</b> , King George's Medical University, Lucknow & <b>Dr. Hari S. Sharma</b> , University Medical Center, Rotterdam.
11:00-11:20	Ten Commandments for Clinical and Research Laboratories to Ensure Quality. <b>Dr. Thuppil Venkatesh</b> , Bengaluru.
11:20-11:40	Novel Treatment Strategies to Restore Temporal Lobe Epilepsy-induced Abnormal Synaptic Plasticity and Cognitive Deficits. <b>Dr. B.S.Shankaranarayana Rao</b> , NIMHANS, Bengaluru.
11:40-12:00	Potential therapeutic target in urothelial carcinoma of the bladder: RASSF1A–Hippo pathway link. <b>Dr. Alpana Sharma</b> , AIIMS, New Delhi.
12:00-12:20	Over-expression of fibroblast growth factor 8 (FGF8) protein aids in the progression of epithelial ovarian cancer. <b>Dr. Savita Yadav</b> , AIIMS, New Delhi.

**Inaugural Program (12:20-14:00)**

Prayer:	<b>Students</b> Department of Studies in Genetics and Genomics University of Mysore, Mysuru.
Welcome:	<b>Prof.S. S. Malini</b> Chairperson Department of Studies in Genetics and Genomics University of Mysore, Mysuru.
Inauguration:	<b>Lighting the Lamp by Guests</b>
Inaugural Address:	<b>Dr. C.N. Manjunath</b> Director Sri Jayadeva Institute of Cardiovascular Sciences, Bangalore.
Guest of Honour:	<b>Prof. K.S. Rangappa</b> Former Vice-Chancellor, University of Mysore and Karnataka State Open University, Mysuru.
	<b>Dr. Hari S. Sharma</b> University Medical Centre, Amsterdam, The Netherlands Founder President, IABS.
	<b>Prof. Abbas Ali Mahdi</b> King George's Medical University, Lucknow General Secretary- IABS.
Presidential Address:	<b>Prof.G. Hemantha Kumar</b> Hon'ble Vice-Chancellor University of Mysore, Mysuru.
Vote of Thanks:	<b>Dr. Tejas Baba Kalastavadi</b> Dept of Genetics and Genomics, University of Mysore.

14:00–14:30	<b>LUNCH BREAK &amp; POSTER WALK</b>
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### Conference Talks: Session-III (Offline)

<b>Chairpersons:</b>	<b>Dr. Alpana Sharma</b> , AIIMS, New Delhi. & <b>Dr. Mahadeshwara Prasad</b> , University of Mysore.
14:30-14:50	Pharmacological modulation of cell adhesion through Engineering of sialyl Lewis-X (sLeX/ CD15s). <b>Dr. Srinivasa-Gopalan Sampathkumar</b> National Institute of Immunology, New Delhi.
14:50-15:10	Identification of substrates of MBL-associated serine protease-1 (MASP-1) from human Plasma using N-terminomic strategy <b>Dr. Sadhana Sharma</b> , AIIMS, Patna.
15:10-15:30	Tigerinin-1 Initiates Necroptosis Pathway: Novel Mechanism for Targeting Cancer Cells. <b>Dr. H.P. Gurushankara</b> , Central University of Kerala, Kasaragod.
15:30-15:50	Role of Oligodendrocytes in Sporadic Amyotrophic Lateral Sclerosis: Insights from <i>in-vitro</i> studies <b>Dr. K. Vijayalakshmi</b> , National Institute of Mental Health and Neuro Sciences (NIMHANS), Bengaluru.
15:50-16:00	<i>Tea/Coffee Break</i>

### Conference Talks: Session-III (Online)

<b>Chairpersons:</b>	<b>Dr. Jyothi Kode</b> , ACTREC, Mumbai, & <b>Dr.V. Shakunthala</b> , Dept. of Zoology, University of Mysore, Mysuru.
14:30-14:50	Impaired pancreatic beta-cell function after a single dose of oral iron: a before-and-after (pre-post) study. <b>Dr. Joe Varghese</b> , Christian Medical College, Vellore.
14:50-15:10	Challenges and Opportunities in Translational Neuro-Oncology. <b>Dr. Komal Prasad Chandrachari</b> , Narayana Hrudayalaya Institute of Neurosciences, Bangalore.
15:10-15:30	Exploring the utility of Neuromodulation in Neuropsychiatric disorders using multimodal assessments, <b>Dr. Kaviraja Udupa</b> , NIMHANS, Bangalore.
15:30-15:50	CGRP and Migraine <b>Dr. Girish Baburao Kulkarni</b> , NIMHANS Bangalore.
15:50-16:00	<i>Tea/Coffee Break</i>

### **Conference Talks: Session-IV (Offline)**

<b>Chairpersons:</b>	<b>Prof. S. Satish</b> Dept. of Microbiology, University of Mysore, Mysuru, & <b>Dr. Sujan Dhar</b> , Mazumdar Shaw Center for Translational Research, Bangalore.
16:00-16:20	Cryptococcal infection of the central nervous system. <b>Dr. Nagarathna S</b> , Department of Neuromicrobiology, NIMHANS, Bengaluru.
16:20-16:40	Role of platelets in chronic urticaria. <b>Dr. Medha Rajappa</b> , JIPMER, Puducherry,
16:40-17:00	Personalized medicine is an emerging practice of medicine. <b>Dr. C. Amrutha Valli</b> , University of Mysore, Mysuru.
17:00-17:20	Adipokines: The new potential therapeutic target for metabolic and systemic rheumatic diseases. <b>Dr. Vandana D Pradhan</b> , ICMR - National Institute of Immunohaematology (ICMR-NIIH), Mumbai.

### **Conference Talks: Session-IV (On-line)**

<b>Chairpersons:</b>	<b>Prof. Gopal K Marathe</b> , Dept. of Biochemistry, University of Mysore, Mysuru, & <b>Dr. Manjula Das</b> , Mazumdar Shaw Center for Translational Research, Bangalore.
16:00-16:20	Stem Cells and Regenerative Engineering for Women's Health <b>Dr. Shayanti Mukherjee</b> , The Ritchie Centre, Hudson Institute of Medical Research, Australia
16:20-16:40	Prognostic, and therapeutic significance of cysteine cathepsins in Acute Myeloid leukemia. <b>Dr. Shyam S. Chauhan</b> , AIIMS, New Delhi
16:40-17:00	Immunomodulatory Role of Pre-conditioned MSCs derived media in Autoimmune disease Systemic Lupus Erythematosus. <b>Dr. Geeta Rai</b> , Banaras Hindu University, Varanasi.
17:00-17:20	Role of the gut microbiome and short-chain fatty acids in regulating lung injury responses. <b>Dr. Arun Prakash</b> , University of California.
17:00-19:00	<b>Online Poster Session:</b>
19.00 onwards	<b>Dinner</b>

**Day 2: 9<sup>th</sup> September 2022 (Friday)**  
**Conference Talks: Session-V (Offline)**

<b>Chairpersons:</b>	<b>Prof. K. Kemparaju</b> , Dept. of Biochemistry, University of Mysore, Mysuru & <b>Dr. Savita Yadav</b> , AIIMS, New Delhi.
09:30-9:50	Identification of a novel T cell inhibitor: mechanisms and applications. <b>Dr. Dipankar Nandi</b> , Indian Institute of Science (IISc), Bangalore.
09:50-10:10	Diagnostic utility of conventional cytogenetics in identifying chromosomal abnormalities. <b>Dr. Akila Prashant</b> , JSS Medical College, Mysuru.
10:10-10:30	Interlinking role of iron trafficking proteins, Prokineticins, and nitric oxide expressions in metabolic dysfunction associated fatty liver disease <b>Dr. Shyam Prakash</b> , AIIMS, New Delhi
10:30-10:50	Glutamate and cytokines in glioblastoma lead to therapeutic targets in Glioblastoma. <b>Dr. Nandakumar DN</b> , NIMHANS, Bengaluru.
10:50-11:00	<i>Tea/Coffee Break</i>

**Conference Talks: Session-V (Online)**

<b>Chairpersons:</b>	<b>Prof. G. Subramanya</b> , Dept. of Genetis and Genomics, University of Mysore, Mysuru & <b>Dr. G. Sreenivasa</b> , Davanagere University, Davanagere.
09:30-9:50	Population pharmacokinetics and pharmacogenetics of imatinibmesylate in chronic myeloid leukemia patients- Lab to clinics. <b>Dr. Biswajit Dubashi</b> , JIPMER, Puducherry.
09:50-10:10	Nanocarriers-based targeted drug delivery-Therapeutic Implications in tuberculosis. <b>Dr. Sadhna Sharma</b> , PGIMER, Chandigarh.
10:10-10:30	Exploiting in-vivo expressed mycobacterial biomarkers as diagnostic candidates for osteoarticular tuberculosis. <b>Dr. Indu Verma</b> , PGIMER, Chandigarh
10:30-10:50	Plasma levels of Surfactant protein D (SP-D) facilitate early diagnosis of preeclampsia and missed abortion: A window of

	opportunity for preventive management. <b>Dr. Taruna Madan</b> ICMR-NIRRH, Mumbai.
10:50-11:00	<i>Tea/Coffee Break</i>

### **Conference Talks: Session-VI (Offline)**

	<b>Young Scientist Award Competition Presentation</b>
<b>Chairpersons:</b>	<b>Prof. Ramachandra Kini</b> , Dept. of Microbiology, University of Mysore, Mysuru & <b>Dr. Sadhana Sharma</b> , AIIMS, Patna.
11:00-11:10	Methotrexate polyglutamate three levels may not be a predictive biomarker for the treatment response in psoriasis patients on methotrexate monotherapy <b>Veera Krishna Goud E</b> , Jawaharlal Institute of Postgraduate Medical Education and Research (IPMER), Puducherry.
11:10-11:20	Elucidating the role of transcription factor Zic3 in neuronal arborization <b>Jeevan Gowda</b> , Manipal Institute of Regenerative Medicine (MIRM), Manipal Academy of Higher Education, Bangalore.
11:20-11:30	Association of <i>LEP</i> and <i>LEPR</i> Polymorphisms in Women with Polycystic Ovarian Syndrome <b>Zeinab Naghshband</b> , Department of Studies in Genetics and Genomics, University of Mysore, Mysuru
11:30-11:40	Speed can help: rapid evolution of centriole protein FAM161A may underlie the reduction in miscarriage rate in mice <b>Rajanikanth C</b> , Department of Studies in Genetics and Genomics, University of Mysore, Mysuru.
11:40-11:50	Finding of Novel Genes Involved in Core Behaviors of Autism spectrum Disorders by Bottom-Up Approach <b>Meghana K.R.</b> , Department of Genetics and Genomics University of Mysore, Manasagangotri, Mysuru.
11:50-12:00	High-confidence genes involved in nonsyndromic ventricular septal defects of congenital heart disease <b>Chaithra S</b> , Department of Studies in Genetics and Genomics University of Mysore, Manasagangotri, Mysuru.
12:00-12:10	Understanding the transcriptional regulation and post-translational modification of PITX3 in the development of midbrain dopaminergic neurons <b>Shreetama Banerjee</b> , Manipal Institute of Regenerative Medicine (MIRM), Manipal Academy of Higher Education, Bangalore.
12:10-12:20	Cognition and serum IL-6 levels in drug-resistant temporal lobe epilepsy <b>Athira S.B</b> , JPMER, Puducherry.

12:20-12:30	Correlation of Manual and Digital Pathology Image Analysis for Calculating Mean Vascular Density Using CD34 Immunohistochemistry in Bone Marrow Trephine Biopsies <b>Sreerag K</b> , JIPMER, Puducherry.
12:30-12:40	Antimicrobial and antioxidant activities of <i>Tinospora cordifolia</i> and <i>Plectranthus amboinicus</i> <b>Shanthala Mallikarjunaiah</b> , Centre for Applied Genetics, Department of Applied Genetics Bangalore University, Bangalore
12:40-12:50	Spices Phytochemicals: Potential Candidates for developing Alzheimer's disease Therapeutics <b>Reshma Ramarajan</b> , Department of Zoology, Central University of Kerala, Tejaswini Hills, Periya, Kasaragod.
12:50-13:00	Development and validation of a device for clotting analysis of human blood using the electrical resistance principle <b>Hemashree, L</b> , Mysore.
13:00-13:10	Spice nutraceuticals attenuates oxidative stress, inflammation and activates innate immunity. <b>Ramya R</b> , Department of Biochemistry, CFTRI, Mysuru.
13:10-13:20	<i>Aegle marmelos</i> fruit extract as a potent immunomodulatory anti-cancer therapeutic agent: Cues from inflammation-associated colon cancer pre-clinical models <b>K Nirmal Kumar</b> , Advanced Centre for Treatment, Research & Education in Cancer (ACTREC), Tata Memorial Centre, Kharghar, Navi Mumbai.
13:20-13:30	Lecithinase and Biofilm production in clinical isolates of <i>Klebsiella pneumoniae</i> in a tertiary care hospital, Pondicherry <b>Kanimozhi Devanathan</b> , Department of Microbiology, Mahatma Gandhi Medical College and Research Institute, Puducherry
13:30-13:40	Effect of Internal Quality Planning using Sigma-metrics in lean management of clinical chemistry lab. <b>Rohit. S</b> , Department of Biochemistry, 1 JIPMER, Puducherry.
13:50-14:00	Cell fate determined by multiple combined cascades after radiation exposure? Role of combined cascade of Wnt Canonical pathway, NHEJ pathway and Intrinsic Apoptotic pathway in mice physiology. <b>Shashank Kumar</b> , Department of Studies in Genetics and Genomics, University of Mysore, Manasagangotri, Mysuru.



### **Conference Talks: Session-VI (Online)**

	<b>Young Scientist Award Competition Presentation</b>
<b>Chairpersons:</b>	<b>Prof. Sreenivasa</b> , Dept. of Microbiology, University of Mysore, & <b>Dr. P.T. Chaitra</b> , University of Mysore.
11:00-11:10	Neurotrophin -3 gene polymorphism in schizophrenia and its relation with diseases severity, cognitive dysfunction, and response to antipsychotic treatment <b>Hanumanthappa Nandeesha</b> , Department of Biochemistry and Psychiatry, JIPMER, Puducherry.
11:10-11:20	Aberrant Promoter Methylation and Disease Progression in Chronic Myeloid Leukemia from Indian Population <b>Asgar Ali</b> , Department of Biochemistry, All India Institute of Medical Sciences Patna.
11:20-11:30	Assessment of <i>In Vitro</i> Immunomodulatory Activity of Select Antiviral Agents <b>Pinky Singh</b> , Department of Clinical Pathology, Haffkine Institute, Mumbai
11:30-11:40	Overexpression of iNOS and dmMMP disrupts the glial barrier in adult <i>Drosophila</i> <b>Durga Bethala</b> , Department of Clinical Pathology, Haffkine Institute for Training, Research and Testing, Mumbai.
11:40-11:50	Comparison of total antioxidant capacity and Secondary Metabolites of aqueous and methanolic extracts of <i>Bacopa monnieri</i> (L.) Pennell <b>Srilatha K</b> , Dept of Biochemistry, Yenepoya Medical College, Mangaluru.
11:50-12:00	Harmonization of instruments in Clinical Chemistry laboratory as an indicator of homogeneity of test results <b>Shashidhar KN</b> , Department of Biochemistry, Sri Devaraj Urs Medical College, Tamaka, Kolar, Karnataka
12:00-12:10	FGF21 roles in the transition from prediabetes to diabetes in mutant Wistar rat model <b>Suresh Kondeti, K.</b> Nizam's Institute of Medical Sciences, Hyderabad.
12:10-12:20	Assessment of Systemic Endothelial Dysfunction markers and their association with flow-mediated dilation in nonalcoholic fatty liver disease patients <b>Kalaivani MS</b> , Department of Biochemistry, JIPMER, Puducherry
12:20-12:30	Effect of Induction Chemotherapy on Bone turnover in newly diagnosed cases of Multiple Myeloma-a longitudinal observational

	study, <b>Sridurga M</b> , Department of Biochemistry, JIPMER.
12:30-12:40	Retrospective analysis of Quality indicators in Clinical Biochemistry Laboratory of rural Tertiary care hospital <b>Soumya N</b> , Department of Biochemistry, Sri Devaraj Urs Medical College, Tamaka, Kolar.
12:40-12:50	Assessment of Cardiovascular Risk Markers in Women with Polycystic Ovarian Syndrome <b>Aripikatla Anusha</b> , Department of Biochemistry, Nizam's Institute of Medical Sciences, Hyderabad.
12:50-13:00	Prognostic significance of ratios and calculations in Type 2 Diabetes mellitus and Diabetic nephropathy <b>R. Sai Deepika</b> , Department of Biochemistry, Sri Devaraj Urs Medical College, Tamaka, Kolar, Karnataka.
13:00-13:10	Evaluation of Critical alert system in Clinical biochemistry laboratory of a teaching Hospital in rural South India <b>Prabhavathi. K</b> , Department of Biochemistry, Sri Devaraj Urs Medical College, Kolar, Karnataka, India
13:10-13:20	Deciphering the dynamics of inflammasome innate immune pathway in oral cancer <b>Akhila George</b> , Advanced Centre for Treatment, Research & Education in Cancer (ACTREC), Tata Memorial Centre, Kharghar, Navi Mumbai
13:20-13:30	Circulatory CHIT-1 is Associated with the Severity of Renal dysfunction in Diabetic Kidney Disease <b>K Jayashree</b> , JIPMER, Puducherry
13:30-13:40	Is SARS CoV 2 Infection Concomitant with Renal Parameters among Laboratory Confirmed Cases?: A Rural Hospital Study <b>Munilakshmi. U</b> , Department of Biochemistry, Sri Devaraj Urs Medical College, Kolar, Karnataka, India

13:00–14:30	<b>LUNCH BREAK &amp; POSTER WALK</b>
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### **Conference Talks: Session-VII (Offline)**

<b>Chairpersons:</b>	<b>Dr. Shivananda Manohar</b> , JSS Medical College, Mysuru & <b>Prof. H.B. Manjunatha</b> , University of Mysore.
14:30-14:50	Matrix Metalloprotease 13 Polymorphism and Susceptibility to Endometriosis Severity. <b>Dr. Snehasikta Swarnakar</b> , CSIR-Indian Institute of Chemical Biology, Kolkata.
14:50-15:10	Role of Genetic Counselor in translational rare genetic disease research. <b>Dr. Deepa Bhat</b> , JSS Hospital, Mysore.
15:10-15:30	Nanovesicles from edible plants for health and disease. <b>Dr. Gopinath M. Sundaram</b> , Central Food Technological Research Institute, Mysore.
15:30-15:50	Overcoming drug efflux ABC – transporters mediated multidrug resistance in cancer. <b>Dr. N. Rajendra Prasad</b> , Annamalai University, Annamalainagar.
15:50-16:10	Design, development and validation a food supplement: from bench to bedside <b>Dr. Ravindra PV</b> , Department of Biochemistry, CFTRI, Mysuru.

### **Conference Talks: Session-VII (Online)**

<b>Chairpersons:</b>	<b>Dr. Subha Gopal</b> , University of Mysore, & <b>Dr. Tejas Baba Kalastavadi</b> , University of Mysore.
14:30-14:50	Integrated computational and experimental approaches to identify inhibitors for drug efflux transporters of MDR <i>Acinetobacterbaumannii</i> . <b>Dr. Mohane Selvaraj Coumar</b> , Pondicherry University
14:50-15:10	Changing scenario of diagnostics for lymphatic filariasis: monitoring elimination program <b>Dr. S.L. Hoti</b> , Vector Control Research Centre, Puducherry.
15:10-15:30	Placental Altered Insulin Signalling and Lipid Metabolism in Gestational Diabetes mellitus: a cross-sectional analytical study. <b>Dr. Zachariah Bobby</b> , JIPMER, Puducherry.
15:30-15:50	Delineating the role of SNP rs2414096 of CYP19 gene on aromatase activity in South Indian women with polycystic ovary syndrome

	<b>Dr. Sucheta Shetty</b> , Nitte University, Mangaluru.
15:50-16:10	miRNAs: Major Players in Non-Canonical Signaling Strategy, <b>Dr. V.B. Sameer Kumar</b> , Central University of Kerala, Kasaragod.

**Valedictory Program (16:10-17:00)**

17:00–17:30	<i>High Tea</i>
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