

**Alagappa University**  
**Department of Bioinformatics**  
**ICSBCADD'25**  
**Dec 17<sup>th</sup> - 19<sup>th</sup>, 2025**

**TENTATIVE PROGRAMME SCHEDULE**

<b>DAY I - 17<sup>th</sup> December, 2025</b>	
<b>VENUE: Sir. C. V. RAMAN, Conference Hall, 4<sup>th</sup> Floor Science Campus</b>	
<b>INAUGURAL SESSION</b>	
09:30-10:30 am	Registration
10:30-12:00 pm	Invocation and Vallal Vazhthu
	Lighting of Kuthuvilakku
	Welcome Address <b>Prof. J. Jeyakanthan</b> The Convenor & Organizing Secretary - ICSBCADD'25
	Presidential Address <b>Hony. Col. Sr. Prof. G. Ravi</b> Vice-Chancellor Alagappa University
	Inaugural Address <b>Prof. M. Krishnan</b> Vice-Chancellor Central University of Tamil Nadu Thiruvarur
	Special Address <b>Prof. D. Velmurugan</b> Member Secretary-TANSCHE Chennai
	Thematic Address <b>Prof. Chun-Jung Chen</b> National Synchrotron Radiation Research Center (NSRRC) Taiwan
	Industrial Innovation Address <b>Mr. P. Poongumaran</b> Managing Director TICEL Bio Park Limited, TIDCO Center for Life Science (Promoted by Government of Tamilnadu) Chennai
	Felicitation Address <b>Prof. C. Sekar</b> Member of Syndicate Alagappa University
	Vote of Thanks <b>Prof. Sanjeev Kumar Singh</b> Co-Convenor - ICSBCADD'25
12:00-12:20 pm	<b>HIGH TEA</b>

<b>PLENARY SESSION 17<sup>th</sup> December, 2025 (1<sup>st</sup> Day)</b>	
<b>Session-I</b>	
Chairperson: <b>Dr. J. Sivaraman</b> Co-Chairperson: <b>Dr. Sanjeev Kumar Singh</b>	
12:30–01:00 pm	Neuronal Diseases, Neurotrophins, Natural Products and Bioinformatics  <b>Dr. D. Velmurugan</b> Member Secretary, TANSCH, Chennai
01:00–02:00 pm	<b>LUNCH &amp;</b> <b>Poster Session-Arrangement</b> Chairpersons: <b>Dr. J. Joseph Sahayarayan, Dr. P. Boomi</b>
<b>Session-II</b>	
Chairperson: <b>Dr. R. Sowdhamini</b> Co-Chairperson: <b>Dr. J. Jeyakanthan</b>	
02:00–02:20 pm	Structural Biology of Viruses and Capsid Assembly  <b>Dr. Chun-Jung Chen</b> National Synchrotron Radiation Research Center (NSRRC), Taiwan
02:20–02:40 pm	Optimizing Protein Purification Strategies: Insights from LLM-Driven Mining of PDB Literature  <b>Dr. J. Sivaraman</b> National University of Singapore, Singapore
02:40–03:00 pm	Exploring Kinase-Substrate Specific Interaction as a Target for Drug Design Strategy in Cancer  <b>Dr. Suresh Kumar Rayala</b> IIT-Madras, Chennai
<b>Session-III</b>	
Chairperson: <b>Dr. Chun-Jung Chen</b> Co-Chairperson: <b>Dr. RM. Vidhyavathi</b>	
03:00–03:20 pm	Structural and Functional Studies of South African HIV-1 Subtype C Proteases: Impact on Protein Dynamics, Stability, and Drug Binding to the Wild Type and Mutants  <b>Dr. Ramesh Pandian</b> University of the Witwatersrand, South Africa
03:20–03:40 pm	Mechanism of RNA capping of the SARS-CoV-2 genome  <b>Dr. K. Saikrishnan</b> Indian Institute of Science Education and Research (IISER), Pune
03:40–04:00 pm	Voyage through Omics of Medicinal Plants  <b>Dr. R. Sowdhamini</b> National Centre for Biological Sciences (NCBS), Bangalore
04:00–04:40 pm	<b>HIGH TEA</b>
<b>Session-IV</b>	
Chairperson: <b>Dr. K. Saikrishnan</b> Co-Chairperson: <b>Dr. J. Joseph Sahayarayan</b>	
04:40–05:00 pm	Structure and Functional Analysis of Type 3 Secretion System Pilus Proteins of Plant Pathogenic Bacteria  <b>Dr. P. Karthe</b> University of Madras, Chennai
05:00–05:30 pm	Genotyping-Phenotypic Correlation of <i>S. Typhi</i> Isolates Provide Insights for the Design of Novel Anti Microbial Agents  <b>Dr. Punit Kaur</b> AIIMS, New Delhi

<b>Session-V</b>	
Chairperson: <b>Dr. Ramesh Pandian</b> Co-Chairperson: <b>Dr. P. Boomi</b>	
05:30–05:50 pm	Drug-like Property Prediction for Small Molecules: Comparing the Performance of Physics-based, Data-driven, and Quantum-inspired Machine Learning Models  <b>Dr. N. Arul Murugan</b> Indraprastha Institute of Information Technology, New Delhi
05:50–06:10 pm	Design of a Multiepitope Vaccine for the Treatment of Periodontal Disease  <b>Dr. Narayanan Ramasubbu</b> Rutgers School of Dental Medicine, USA
06:10-06:30 pm	EstS1 Esterase: A Versatile Biocatalyst for Phthalate and PET Plastic Degradation  <b>Dr. Pravindra Kumar</b> Indian Institute of Technology-Roorkee
06:30-07:30 pm	Cultural Programme
<b>PLENARY SESSION 18<sup>th</sup> December, 2025 (2<sup>nd</sup> Day)</b>	
08:30-09:00 am	Registration
09:00–10:30 am	<b>Poster Presentation I- Evaluation</b>  Chairpersons: <b>Dr. J. Sivaraman, Dr. M. Michael Gromiha, Dr. J. Joseph Sahayarayan, Dr. P. Boomi</b>
	<b>Oral Presentation I – Evaluation (8 min talk+2 min discussion)</b>  Chairpersons: <b>Dr. Sanjeev Kumar Singh, Dr. K. Premkumar, Dr. R. Sowdhamini, Dr. K. Muruga Poopathi Raja, Dr. Gomathinayagam Subramanian, Dr. RM. Vidhyavathi</b>
<b>Session-I</b>	
Chairperson: <b>Dr. K. Muruga Poopathi Raja</b> Co-Chairperson: <b>Dr. RM. Vidhyavathi</b>	
10:30–10:50 am	Invasive versus Non-Invasive Medical Procedures: Extracellular Vesicles - Possible Role in Drug Targeting in Cancer Therapy  <b>Dr. Dwijendra K. Gupta</b> Allahabad University, Allahabad
10:50–11:10 am	Comparative Studies of Microbial Populations (Bacteria and Fungus) in Cultivated and Uncultivated Agricultural Field in Black Bush Polder, Region 6, Guyana  <b>Dr. Gomathinayagam Subramanian</b> University of Guyana, South America
11:10–11:30am	Development of Databases and Computational Tools for Understanding and Predicting the Binding Affinities of Protein Complexes  <b>Dr. M. Michael Gromiha</b> Indian Institute of Technology- Madras, Chennai
11:30–11:50 am	<b>HIGH TEA</b>



<b>19<sup>th</sup> December, 2025 (3<sup>rd</sup> Day)</b>	
<b>WORKSHOP SESSION</b>	
08:30-09:00 am	Registration
09:00-11:00 am	Presentation and Hands-on Practice
11:00-11:15 am	<b>HIGH TEA</b>
11:15-01:00 pm	Hands-on Practice
11:30-01:30 pm	<b>Oral Presentation II-Evaluation (8 min talk+2 min discussion-DBI Students)</b>
	Chairpersons: <b>Dr. Sanjeev Kumar Singh, Dr. K. Premkumar, Dr. R. Sowdhamini, Dr. K. Muruga Poopathi Raja, Dr. Gomathinayagam Subramanian, Dr. RM. Vidhyavathi</b>
01:00-02:00 pm	<b>LUNCH</b>
02:00-05:30 pm	Hands-on Practice
05:30-05:45 pm	<b>HIGH TEA</b>
05:45-07:45 pm	Valedictory Function/ Certificate Distribution for Oral & Poster Presentation/ Vote of Thanks