



ALAGAPPA UNIVERSITY

(A State University Accredited with “A++” Grade by NAAC (CGPA: 3.59) under Dual Mode Category in the Fourth Cycle 2025: THE World University Rank: 801-1000, QS ASIA Rank: 285, NIRF Rank: 44)



Assd Dr. RM. Alagappa Chettiar

DEPARTMENT OF BIOINFORMATICS

(UGC- INNO, DST-FIST-PURSE, DBT-BIC, NNP and RUSA 2.0 Sponsored Department)

Venue: Department of Bioinformatics

17th – 19th December 2025

Karaikudi-630 003, Tamil Nadu, India.

3rd International Conference cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” [ICSBCADD'25]

ABOUT THE UNIVERSITY

Alagappa University was established by the Government of Tamil Nadu, as envisioned by the great Philanthropist Padma Bhushan (Late) Dr. RM. Alagappa Chettiar is achieving Excellence in all spheres of Education, with particular emphasis on Pedagogy, Extension, Administration, Research and Learning (PEARL) by affording a Quality oriented Higher Education to the learners so that they are transformed into intellectually competent human resources that will help in the up-liftment of the nation to Educational, Social, Technological, Environmental and Economic Magnificence (ESTEEM). Our motto is “Excellence in Action”. The 435.98 acre green and Lush campus houses Science, Arts, Management, and Education Faculties with 45 Departments, including 2 Constituent Colleges and 4 Centres on its campus. Besides, 45 Affiliated Colleges are located in the districts of Sivaganga and Ramanathapuram. The institution offers 56 programmes in the University Department catering to the educational needs of rural students.

ABOUT THE DEPARTMENT

The **Department of Bioinformatics** was established in the year 2008, to facilitate teaching and research in the interdisciplinary areas of Small and Macro Molecule X-ray Crystallography, Structural Biology, Structural Bioinformatics, Molecular Modelling, Computer-Aided Drug Design, Pharmacoinformatics, Chemoinformatics, Molecular Cell Biology, Genetic Engineering, Genomics, Proteomics, Bio-computing, Quantum Chemistry, Database and Software development to create an intellectual environment for interdisciplinary education and training. The Department is supported by the University Grants Commission (UGC) under the scheme of “Innovative Programme - Teaching & Research in Interdisciplinary and Emerging Areas”, the Department of Science & Technology (DST) – “Fund for Improvement of S & T Infrastructure in Higher Educational Institutions” (FIST), “Promotion of University Research and Scientific Excellence” (PURSE), Department of Biotechnology (DBT) - Establishment of Bioinformatics and Computational Biology Center (BIC) & National Network Project (NNP) and Rashtriya Uchchatar Shiksha Abhiyan (RUSA 2.0). We apply our computational and experimental techniques to study the interaction of small chemical compounds with proteins and nucleic acids and to characterize their molecular mechanisms towards the novel discovery of potential drugs for human diseases. Our dynamic environment is focused on students to gain experience through academic and industrial internship programs. Our students regularly coordinate with faculties to produce scientific publications. The Department of Bioinformatics has been offering M.Sc. and Ph.D. programs. Our department published more than 700 research articles in highly reputed journals, including Books, Chapters and Monographs related to Human diseases, Pathogenic and Non-Pathogenic organisms. The Department has received major research projects from the Government of India & Tamil Nadu with a tune of more than Rs. 2327 lakhs.

ABOUT THE CONFERENCE

The Department of Bioinformatics has been organizing International and National Conferences, Symposia and Workshops successfully for 13 years on the theme of SBCADD and now announces the 3rd International Conference cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” (ICSBCADD'25). ICSBCADD'25 intends to provide a global platform for thought-provoking deliberations with renowned experts in various facets of Bioinformatics and Drug Discovery. Mainly, leading Scientists and Academicians hailing from premier institutes including R&D industries will be enlightening on various prospects of protein/nucleic acid structures and their prominent role in the pathogenicity of diseases arising due to COVID-19 (SARS-CoV-2), Vector-borne (Malaria, Filariasis, Zika and Chikungunya), Immune Compromised (AIDS), Nosocomial infections (ESKAPE & Nocardia pathogens) or resulting from unhealthy lifestyle (Cancer, Diabetes, Hypertension and Cardiovascular diseases) which are an evading burden towards sustainability of human life. The advent of AI and ML in Structural Biology and Computational approaches provides a common solution to address issues relating to the identification of active biomolecules against the aforesaid diseases. Therefore, ICSBCADD'25 will serve the purpose to bring indefinite solutions (Cost-Effective) to the forefront amidst the Life-Threatening Disease burdens. The ICSBCADD'25 will continue the tradition of presenting outstanding science in a relaxed atmosphere infused with a variety of social activities designed to provide a forum for scientists and students to share their research, build new connections and explore collaborations. Besides, Application Scientists would also provide hands-on training on latest techniques in AI – Assisted Computer Aided Drug Design and Computational Biology. We thank you for your interest in the ICSBCADD'25 and welcome your participation.

SCIENTIFIC TOPICS

- ✦ Bioinformatics
- ✦ Biotechnology
- ✦ Chemoinformatics
- ✦ Computer Aided Drug Design
- ✦ AI / ML Computational Biology
- ✦ Database Creation and Development
- ✦ Functional Genomics and Proteomics
- ✦ Molecular Biology
- ✦ Pharmacogenomics
- ✦ Structural Bioinformatics
- ✦ Structural Biology
- ✦ Small and Macromolecule X-ray Crystallography

PARTICIPANTS

Students, Research Scholars, Research Scientists and Faculty members from the **Universities, Institutes, Colleges and Industries** are encouraged to participate in this International Conference.

CALL FOR ORAL / POSTER PRESENTATIONS

The participants are requested to submit their abstract (not exceeding 300 words) on the theme of the International Conference to The **Convenor and Organizing Secretary** on or before **November 23rd, 2025**. The abstract should be sent to dbiicsbcadd@gmail.com. Acceptance of the abstract for Oral / Poster Presentation will be notified to the authors by **November 30th, 2025**.

REGISTRATION

Participants are requested to submit the duly completed Google registration form, along with the registration fee, on or before **November 23rd, 2025**. (Proof of remittance to be attached during registration).

For More Details, please visit: <https://conf.bioinfoau.org/icsbcadd'2025/>

Bioinformatics and Drug Discovery Society (BIDDS)

Bioinformatics and Drug Discovery Society (BIDDS) was established in the year 2017, which is an Indian Academic Society for Bioinformatics, Computational Biology and Drug Discovery. It has been registered under **the rule 8 of the Tamil Nadu Society's Registration Act, 1975**. In recent days, bioinformatics has become indispensable in life science research. Buoyed by the success of rational drug design and the new challenges posed by the emerging resistant and infectious diseases has compelled the researchers to enhance bioinformatics application for accelerating drug discoveries. It is in this backdrop with the idea of establishing a stage for scientists, academicians, researchers and students that will bring them closer to discuss, find scientific solutions in designing new drugs using advanced computer aided technology, was proposed by **Dr. S. Subbiah, Vice-Chancellor, Alagappa University** at the University's Bioinformatics department during the **9th National Symposium-cum-Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design”**. The society will serve as a platform for dissemination of scientific knowledge and function as a central hub between bioinformatics, biological sciences and other allied life sciences.

FOR BIDDS MEMBERSHIP REGISTRATION

Please visit the BIDDS website (<https://www.bidds.org/>) for more details and registration form. Kindly download registration form and send filled registration form to Secretary BIDDS by email (secretary.bidds@gmail.com) along with transaction details.

FEE DETAILS

Participant	ICSBCADD'2025 (₹)	BIDDS Member (₹) visit: https://www.bidds.org/	Overseas (US \$)
Student / Research Scholar	3500	2500	400
Post-Doctoral Fellow (PDF)/ Research Associate (RA)	5000	3000	500
Faculty from Academic Institutions	6500	4500	600
Non-Academic	12000	10000	1000

PAYMENT DETAILS

Account Name	ICSBCADD 2025
Account Number	8123351269
IFSC code	IDIB000A008
Branch Code	245
Branch Address	Alagappa College Campus
UPI ID	icsbcadd2025@indianbk



ADDRESS FOR COMMUNICATION

Dr. J. Jeyakanthan

Senior Professor and Head
The Convenor & Organizing Secretary - ICSBCADD'25
Department of Bioinformatics
Alagappa University Karaikudi - 630 003
Tamil Nadu, INDIA.

Phone: +91 - 4565 - 223-340/341 Fax: +91 - 04565 - 225202

Mobile: +91 8220890172

E-mail: dbiicsbcadd@gmail.com

Web: <https://conf.bioinfoau.org/icsbcadd'2025/>

HOW TO REACH ALAGAPPA UNIVERSITY

Train and Bus facilities are frequently available to Karaikudi. Chennai Anna International Airport – Madurai/Trichy Domestic Airport and then by road about **1hr 30 mins**. For further details, please visit

ACCOMMODATION

Requests for accommodation should be sent to the **Convenor and Organizing Secretary - ICSBCADD'25** at the earliest. The participant will meet the expenditure for Accommodation and Travel. Refreshment and Lunch will be provided.

PROGRAMME COMMITTEE

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Vice-Chancellor
Alagappa University

CO-CONVENOR
Dr. Sanjeev Kumar Singh
Professor

CO-PATRON
Prof. A. Senthilrajan
Registrar
Alagappa University

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Professor
Dr. RM. Vidhyavathi
Dr. J. Joseph Sahayarayan
Dr. P. Boomi
Assistant Professors
Department of Bioinformatics

THE CONVENOR AND ORGANIZING SECRETARY
Dr. J. Jeyakanthan
Senior Professor and Head

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Dr. Vikash Kumar Dubey, IIT, Varanasi
Dr. V. Umashankar, Scientist-F, ICMR, Chennai

LIST OF SPEAKERS

Dr. Akio Ebihara, Gifu University, Japan
Dr. A. Anand, VIT, Vellore
Dr. N. Arul Murugan, IIIT, New Delhi
Dr. Chun-Jung Chen, NSRRC, Taiwan
Dr. Dwijendra K. Gupta, Allahabad University, Allahabad, India
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Dr. P. Karthe, University of Madras, Chennai
Dr. R. Krishna, Pondicherry University, Puducherry
Dr. M. Michael Gromiha, IIT, Chennai
Dr. A. Mohana Priya, VIT, Vellore
Dr. K. Muruga Poopathi Raja, Central University of Kerala, Kerala
Dr. H.A. Nagarajaram, University of Hyderabad, Hyderabad
Dr. Narayanan Ramasubbu, Rutgers School of Dental Medicine, USA
Dr. Pravindra Kumar, IIT, Roorkee
Dr. K. Premkumar, Bharathidasan University, Trichy
Dr. Punit Kaur, AIIMS, New Delhi
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Dr. K. Saikrishnan, IISER, Pune
Dr. Saraboji Kadhivel, Central University of Punjab, India
Dr. Shandar Ahmad, JNU, New Delhi
Dr. K. Sekar, IISc, Bangalore
Dr. Sudharshan Pandian, Schrödinger, USA
Dr. Suresh Kumar Rayala, IIT, Chennai
Dr. R. Sowdhamini, NCBS, Bangalore
Dr. T. P. Singh, AIIMS, New Delhi
Dr. Timir Tripathi, North-Eastern Hill University, Shillong
Dr. D. Velmurugan, Member Secretary, TANSCH, Tamil Nadu

EXPECTED SPONSORS

Alagappa University, CSIR, DBT, DST, ICMR, TNSCST, TANSCH, INSA, BioMe, Schrödinger-USA and Molecular Solutions.