



ALAGAPPA UNIVERSITY

(A State University Accredited with "A+" Grade by NAAC (CGPA: 3.64) in the Third Cycle and Graded as Category-I by MoE-UGC, 2020. THE World University Rank: 501-600, QS ASIA Rank: 220, NIRF Rank: 28)



DEPARTMENT OF BIOINFORMATICS

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

KARAİKUDI-630 004, TAMIL NADU, INDIA.

Venue : Department of Bioinformatics

21st – 25th November 2022

2nd International Conference cum Workshop on

"Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [ICSBCADD'2022]

ABOUT THE UNIVERSITY

Alagappa University established by the Government of Tamilnadu, 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 440 acre green and lush campus houses Science, Arts, Management, and Education faculties with 44 Departments, 9 Centres and 2 Constituent Colleges on its campus. Besides, 51 Affiliated Colleges are located in the districts of Sivaganga and Ramanaathapuram. The institution offers 168 programmes in the University Department catering to the educational needs of rural students.

ABOUT THE DEPARTMENT

The Department of Bioinformatics was started 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) and Department of Biotechnology (DBT)-Establishment of Bioinformatics and Computational Biology Center (BIC). 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, industrial internship programs. Our students regularly coordinate with faculties to produce scientific publications. The Department of Bioinformatics has been offering M.Sc., M.Phil., Ph.D. & PG Diploma Degree Courses. Our Department published more than 614 research articles in highly reputed journals inclusive of Books, Chapters and Monographs related to Human diseases, Pathogenic and non-pathogenic organisms. Department has received major research projects from Government of India & Tamil Nadu with a tune of more than Rs.1860 lakhs.

ABOUT THE CONFERENCE

The Department of Bioinformatics has been organizing International and National level conferences, Symposia and Workshop (SBCADD) successfully for 12 years on the theme of SBCADD and now announces the 2nd International Conference cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [ICSBCADD'2022]. ICSBCADD'2022 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. Advent of Computational approaches and Structural Biology provide a common solution to address issues relating the identification of active biomolecules against the aforesaid diseases. Therefore, ICSBCADD'2022 will serve the purpose to bring indefinite solutions (cost-effective) in the forefront amidst the life-threatening disease burdens. The ICSBCADD'2022 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 from Schrödinger, USA would also provide hands-on training on latest techniques in Computational Biology and Computer Aided Drug Design. We thank you for your interest in the five-days ICSBCADD'2022 and welcome your participation.

SCIENTIFIC TOPICS

- + Bioinformatics
- + Biotechnology
- + Chemoinformatics
- + Computer Aided Drug Design
- + Computational Biology and Chemistry
- + 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 POSTER PRESENTATIONS

The participants are requested to submit their abstract (not exceeding 300 words) on the theme of the International Conference to **The Convener** on or before **October 10th, 2022**. The abstract should be sent to dbicsbcadd@gmail.com. Acceptance of the abstract for poster presentation will be notified to the Authors by **October 12th, 2022**.

REGISTRATION

The participants are requested to send the duly filled registration form along with registration fee on or before **October 10th, 2022**. Registration fee is to be remitted in the Indian Bank SB A/c: 7262932047 (Branch: Alagappa College Campus, IFSC Code: IDIB000A0008) and demand draft drawn in the favor of **THE CONVENER ICSBCADD-22** payable at Karaikudi is also acceptable (proof of remittance to be attached during registration).

BIDDS DETAILS & AWARDS

Please visit the BIDDS website (www.bids.org) for details and registration form. Kindly download registration form and send filled registration form to Secretary BIDDS by email (secretary.bids@gmail.com) along with transaction details.

BIDDS announcing following Awards

1. Best Research Student Award, 2. Young Scientist Award, 3. Life Time Achievement Award, 4. Prof. N. Srinivasan Memorial Lecture Award and 5. Prof. M. Vijayan Memorial Lecture Award.

For detail information and guidelines of the award application go through BIDDS website (www.bids.org). Last date of the award application is 1st Oct, 2022.

Participant	ICSBCADD'2022 (₹)	BIDDS Member (₹)	Overseas (US \$)
PG / Ph.D Student	3500	2500	400
Post-Doctoral Fellow (PDF)/ RA	5000	3000	500
Faculty from Academic Institutions	6500	4500	600
Non-Academic	12000	10000	1000

ADDRESS FOR COMMUNICATION

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The Convener - ICSBCADD'2022
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Dept. Web : www.bioinfo.org

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 min. For further details please visit www.conf.bioinfo.org/icsbcadd'2022

ACCOMMODATION

Request for accommodation should be sent to **The Convener** at the earliest. The expenditure for accommodation and travel will be met by participant. For the availability hotels at karaikudi, Please visit our website. Refreshment and Lunch will be provided.

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- Dr. Venkat Kumar S, Vellore Institute of Technology (VIT), Vellore
- Dr. Vikash Kumar Dubey, IIT-BHU, Varanasi

LIST OF SPEAKERS

- Dr. Akio Ebihara, Gifu University, Japan
- Dr. A. Anand, Vellore Institute of Technology (VIT), Vellore
- Dr. N. Arul Murugan, Indraprastha Institute of Information Technology, New Delhi
- Dr. Ashok K Varma, Tata Memorial Centre, Mumbai
- Dr. Atsushi Nakagawa, Osaka University, Japan
- Dr. Basant Kumar Tiwary, Pondicherry University, Puducherry
- Dr. Chandra Verma, Bioinformatics Institute, A*STAR, Singapore
- Dr. Chun-Jung Chen, National Synchrotron Radiation Research Center (NSRRRC), Taiwan
- Dr. Deepak T. Nair, Regional Centre for Biotechnology, Faridabad
- Dr. Deva Priyakumar U, International Institute of Information Technology (IIIT), Hyderabad
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- Dr. Pravindra Kumar, Indian Institute of Technology-Roorkee
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