



# DEPARTMENT OF BIOINFORMATICS

(DST-FIST & PURSE Sponsored Department)

## ALAGAPPA UNIVERSITY

(A State University Accredited with A+ Grade by NAAC (CGPA: 3.64 in the Third cycle))

KARAIKUDI-630 004, TAMIL NADU, INDIA



### 10<sup>th</sup> National Symposium cum Workshop on "RECENT TRENDS IN STRUCTURAL BIOINFORMATICS AND COMPUTER AIDED DRUG DESIGN" (SBCADD-2018)

AND

### 1<sup>ST</sup> ANNUAL MEETING OF BIOINFORMATICS AND DRUG DISCOVERY SOCIETY (BIDDS)

February 20<sup>th</sup> – 23<sup>rd</sup>, 2018

#### LIST OF PARTICIPANTS

S.No	Title of Abstract	Status
1.	<b>A Search for Network Biomarkers for Early Detection of Ovarian Cancer</b> H. Lalremmawia and Basant K. Tiwary* Centre for Bioinformatics, Pondicherry University, Puducherry-605014.	Accepted
2.	<b>Computational Identification of potential therapeutic drugs for Colorectal Cancer</b> Keerthana N, Lakshmanan Loganathan and Karthikeyan Muthusamy* Pharmacogenomics & CADD Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India	Accepted
3.	<b>Crystal Structure analysis of 1-benzenesulfonyl-2-methyl-3-[(thiophen-2-yl)-carbonyl]-2,3-dihydro-1H-indole</b> G. Dhanalakshmi <sup>a</sup> and S. Aravindhan <sup>b</sup> * <sup>a</sup> Department of Physics, Misrimal Navajee Munoth Jain Engineering College, Chennai, India <sup>b</sup> Department of Physics, Presidency College (Autonomous), Chennai- 600005, India	Accepted
4.	<b>Salt inducible kinase 2 provides a novel target for Type-II Diabetes – an <i>in silico</i> approach</b> Prajisha Jayaprakash and Jeyaraman Jeyakanthan* Structural Biology & Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India	Accepted
5.	<b>Ligand based cavity search algorithm</b> Pradeep Kumar Yadav, Christian Bharathi. A and Syed Ibrahim. B Center for Bioinformatics, Pondicherry University, Kalapet, Puducherry- 605014, India.	Accepted
6.	<b>Computational identification of agonist molecules for the KLOTHO protein</b> Anusuya K, John Marshal Jayaraj and Karthikeyan Muthusamy* Pharmacogenomics & CADD Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India	Accepted
7.	<b>Crystal Structure and Docking analysis of 2-[2-(4-Methylphenyl)ethenyl]-1,3-benzothiazole</b> M. Sivakumar and S. Aravindhan* Department of Physics, Presidency College (Autonomous), Chennai - 600005, India	Accepted
8.	<b>Crystal structure analysis of 7, 8-dimethyl- 11-phenyl- 10, 11-dihydro- 5H-dibenzo[b,e][1,4]diazepine-6,9- dione</b>	Accepted

	<p>Vediyappan Sureshkumar<sup>1</sup>, Mutharasappan Nachiappan<sup>2</sup>, Sriraghavan K<sup>3</sup>, Naveen S<sup>4</sup>, Jeyaraman Jeyakanthan<sup>2,*</sup>, and Ganesan Ravi<sup>1*</sup></p> <p><sup>1</sup>Crystal growth lab, Department of Physics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India  <sup>2</sup>Structural Biology &amp; Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India  <sup>3</sup>Department of Chemistry, Vellore Institute of Technology, Vellore-632014, Tamil Nadu, India  <sup>4</sup>Department of Studies in Physics, University of Mysore, Mansgangotri, Mysore-570006, India</p>	
9.	<p><b>Targeting gamma secretase as a potential target for Alzheimer's disease: A Computational insights on virtual screening and molecular dynamics studies</b></p> <p>Prahasini Palanichamy<sup>1</sup>, Lakshmanan Loganathan<sup>2</sup>, John Marshal Jayaraj<sup>2</sup> and Karthikeyan Muthusamy<sup>2*</sup></p> <p><sup>1</sup>Basic Engineering Departments, Alagappa Polytechnic College, Karaikudi - 630004, Tamil Nadu, India  <sup>2</sup>Pharmacogenomics &amp; CADD Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
10.	<p><b>The target validation using structure-based targeting of orthologous pathogen proteins (STOPP) approach</b></p> <p>Yogavel Manickam and Amit Sharma</p> <p>Molecular Medicine – Structural Parasitology Group, International Centre for Genetic Engineering and Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi - 110067, India</p>	Accepted
11.	<p><b>Structural and Functional characterization of N(1)-aminopropylagmatine Ureohydrolase(TTHA 1129) from <i>Thermus thermophilus</i> HB8</b></p> <p>Malaisamy Veerapandiyan, Jeyaraman Jeyakanthan*</p> <p>Structural Biology &amp; Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
12.	<p><b>Alterations in conformational topology and interaction dynamics caused by L418A mutation leads to activity loss of <i>Mycobacterium tuberculosis</i> isocitrate lyase</b></p> <p>Rohit Shukla*, Harish Shukla and Timir Tripathi</p> <p>Molecular and Structural Biophysics Laboratory. Department of Biochemistry, North Eastern Hill University, Shillong - 793022</p>	Accepted
13.	<p><b><i>In vitro</i> and <i>in silico</i> studies on insulin delivery potential of chitin and chitosan nanoparticles</b></p> <p>Dhanasekaran Solairaj<sup>1</sup>, Palanivel Rameshthangam<sup>1*</sup>, Venkatesan Suryanarayanan<sup>2</sup> &amp; Sanjeev Kumar Singh<sup>1</sup></p> <p><sup>1</sup>Department of Biotechnology, Alagappa University, Karaikudi – 6300003, Tamil Nadu, India  <sup>2</sup>Department of Bioinformatics, Alagappa University, Karaikudi – 6300003, Tamil Nadu, India</p>	Accepted
14.	<p><b>Extra precision structure-based Docking and Molecular Dynamics based on Hydroxy-Coumarin analogs and AChE Inhibitors: Relevance to Alzheimer's diseases</b></p> <p>Mohd Babu Khan<sup>1</sup>, Bhagath Kumar P<sup>1</sup>, Tuleshwori Devi S<sup>1</sup>, Naidu Subba-Rao<sup>2</sup>, Dinakara Rao A<sup>1*</sup></p> <p><sup>1</sup>Center for Bioinformatics, School of Life Sciences, Pondicherry University, Puducherry- 605014, India.  <sup>2</sup>School of Computational and Integrative Sciences, Jawaharlal Nehru University, New Delhi-110067, India.</p>	Accepted
15.	<p><b>Binding mode prediction and similar ligand potency in the active site of CYP24A1: QM/MM interaction, MESP and MD simulation</b></p> <p>John Marshal Jayaraj and Karthikeyan Muthusamy*</p> <p>Pharmacogenomics &amp; CADD Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
16.	<p><b>Discerning molecular interactions: A comprehensive review on biomolecular</b></p>	Accepted

	<p><b>interaction databases and network analysis tools</b></p> <p>Sravan Kumar Miryala, Karthikeyan J, Sudha Ramaiah*  Medical and Biological Computing Laboratory, School of Biosciences and Technology, Vellore Institute of Technology, Vellore-632014, Tamil Nadu, India</p>	
17.	<p><b>A computational approach to understand the molecular basis of APP Single Nucleotide Polymorphism in Alzheimer's</b></p> <p>Sanjay K. Choubey and Jeyaraman Jeyakanthan*  Structural Biology &amp; Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
18.	<p><b>Exploring the resistance mechanism of imipenem in carbapenem hydrolyzing class D beta-lactamases OXA -143 and its variant OXA-231(D224A) expressing <i>Acinetobacter baumannii</i>: An in-silico approach</b></p> <p>Malathi Kullappan and Sudha Ramaiah*  Medical and Biological Computing Laboratory, School of Biosciences and Technology, Vellore Institute of Technology, Vellore-632014, Tamil Nadu, India</p>	Accepted
19.	<p><b>Energy based pharmacophore screening approaches to identify Pak1 inhibitors</b></p> <p>Jayashree Biswal<sup>1</sup>, Suresh Kumar Rayala<sup>2</sup>, Ganesh Venkatraman<sup>3</sup> and Jeyaraman Jeyakanthan<sup>1*</sup>  <sup>1</sup>Structural Biology &amp; Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India  <sup>2</sup>Department of Biotechnology, Indian Institute of Technology Madras, Room No. BT 306, Chennai-600036, Tamil Nadu, India  <sup>3</sup>Department of Human Genetics, College of Biomedical Sciences, Sri Ramachandra University, Porur, Chennai-600036, Tamil Nadu, India</p>	Accepted
20.	<p><b>MurB as a target in an alternative approach to tackle the <i>Vibrio cholera</i> resistance using molecular docking and simulation study</b></p> <p>Malathi Kullappan and Anand Anbarasu*  Medical and Biological Computing Laboratory, School of Biosciences and Technology, Vellore Institute of Technology, Vellore-632014, Tamil Nadu, India</p>	Accepted
21.	<p><b>Cloning, expression, purification and preliminary studies on AIRS from <i>Pyrococcus horikoshii</i> OT3</b></p> <p>R. Guru Raj Rao<sup>1</sup>, K. Sekar<sup>2</sup>, J. Jeyakanthan<sup>1*</sup>  <sup>1</sup>Structural Biology &amp; Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India  <sup>2</sup>Department of Computational and Data Sciences, Indian Institute of Science, Bangalore 560012, India</p>	Accepted
22.	<p><b>Discerning molecular interactions: A comprehensive review on biomolecular interaction databases and network analysis tools</b></p> <p>Sravan Kumar Miryala, Karthikeyan J, Sudha Ramaiah*  Medical and Biological Computing Laboratory, School of Biosciences and Technology, Vellore Institute of Technology, Vellore-632014, Tamil Nadu, India</p>	Accepted
23.	<p><b>BMBP: A comprehensive search engine for Buffer Molecule Bound Protein structures</b></p> <p>R. Santhosh<sup>1</sup>, Daliah Michael<sup>2</sup>, M. Veerapandian<sup>1</sup>, K. Sekar<sup>2</sup>, J. Jeyakanthan<sup>1*</sup>  <sup>1</sup>Structural Biology &amp; Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India  <sup>2</sup>Department of Computational and Data Sciences, Indian Institute of Science, Bangalore-560012, India</p>	Accepted
24.	<p><b>In-Silico molecular docking and simulation studies on novel chalcone and flavones hybrid derivatives with 1,2,3 - triazole linkage as vital inhibitors of <i>Plasmodium falciparum</i> Dihydroorotate Dehydrogenase</b></p> <p>Mahalakshmi Thillainayagam and Sudha Ramaiah*</p>	Accepted

	Medical and Biological Computing Laboratory, School of Biosciences and Technology.VIT University, Vellore – 632014, Tamil Nadu, India.	
25.	<p><b>Structure based Phylogeny and Binding Site Interpretations of Aspartate Semialdehyde Dehydrogenase from <i>Wbm</i> for drug designing.</b></p> <p>Mariadasee Richard, Sanjay Kumar Choubey, Mathimaran Amala, Poopandi Saritha, Kanagarajan Surekha, Jeyaraman Jeyakanthan*</p> <p>Structural Biology &amp; Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
26.	<p><b>Purification and Characterization of a novel extracellular protease from marine bacteria isolated from <i>Pseudosubertius andrewsi</i></b></p> <p>Guneswar Sethi<sup>1</sup>, Satyanarayan Sethi<sup>2</sup>, Ramadas Krishna<sup>1*</sup></p> <p><sup>1</sup>Center for Bioinformatics, Pondicherry University, Puducherry- 605014, India. <sup>2</sup>Central Institute of Brackish water aquaculture, CIBA, 75, (ICAR), Chennai-600028</p>	Accepted
27.	<p><b>Cloning, Expression and Purification of Aspartate Semialdehyde Dehydrogenase(Wbm0042) from <i>Wolbachia</i> endosymbiont of <i>Brugia malayi</i></b></p> <p>Gnanasekaran Shalini, Mathimaran Amala, Mutharasappan Nachiappan, Malaisamy Veerapandiyan, Kanagarajan Surekha, Jeyaraman Jeyakanthan*</p> <p>Structural Biology &amp; Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
28.	<p><b><i>In silico</i> analysis of mitogen-activated protein kinase (MAPK-1) protein</b></p> <p>Prachi P. Parvatikar<sup>1</sup>, Umakanthn Naik<sup>2</sup>, Sanakousar K. Patel<sup>*1</sup></p> <p><sup>1</sup>Department of Bioinformatics, Akkamahadevi Women's University, Torvi road, Vijayapur, Karnataka, India. <sup>2</sup> Bioinformatics Centre, Department of Bioinformatics, SVIMS University, Tirupathi</p>	Accepted
29.	<p><b>Evolutionary Significance and Protein Expression Analysis of Adenyltransferase from <i>Serratia marcescens</i></b></p> <p>Poopandi Saritha, Dhamodharan Prabhu, Jeyaraman Jeyakanthan*</p> <p>Structural Biology &amp; Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
30.	<p><b>Homology Modeling, Molecular Dynamics Simulation and Essential Dynamics on <i>Anopheles gambiae</i> D7r1</b></p> <p>Chayanika Goswami, Manikandan Jayaraman, Tamizhmathi Bakthavachalam, Guneswar Sethi, Ramadas Krishna*</p> <p>Center for Bioinformatics, School of Life Sciences, Pondicherry University, Puducherry- 605014, India.</p>	Accepted
31.	<p><b>Exploiting the potential drugs as a ATP6AP2 inhibitors through computational analysis: Sighting the role of pro-renin receptor and its phosphorylated sites</b></p> <p>Lakshmanan Loganathan and Karthikeyan Muthusamy*</p> <p>Pharmacogenomics &amp; CADD Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
32.	<p><b>Structural insights into novel natural compounds as inhibitors of <i>Opisthorchis felineus</i> cytochrome P450</b></p> <p>Purna B. Chetri*, Rohit Shukla and Timir Tripathi</p> <p>Molecular and Structural Biophysics Laboratory. Department of Biochemistry, North Eastern Hill University, Shillong - 793022</p>	Accepted
33.	<p><b>Identification of Anti-filarial leads against Aspartate Semialdehyde Dehydrogenase of <i>Wolbachia</i> endosymbiont of <i>Brugia malayi</i>: Combined Molecular Docking and Molecular Dynamics Approaches</b></p> <p>Mathimaran Amala, Sanjay Kumar Choubey, Dhamodharan Prabhu, Kanagarajan Surekha, Jeyaraman Jeyakanthan*</p>	Accepted

	Structural Biology & Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India	
34.	<b>The structural characterization and interacting mechanism of Transactivation domain of p65 with helix-loop-helix domain of ID-1 for an activation of NF-κB signaling pathway</b> Manikandan Jayaraman, Savita Kumari and Krishna Ramadas* Center for Bioinformatics, School of Life Sciences, Pondicherry University, Puducherry- 605014, India.	Accepted
35.	<b>Cloning, Expression and Purification of SIRT4 from <i>Homo sapiens</i></b> Mutharasappan Nachiappan and Jeyaraman Jeyakanthan* Structural Biology & Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India	Accepted
36.	<b>Computational screening of deleterious nsSNP (Missence) in Vitamin D receptor associated with Chronic Kidney Disease</b> Yiampoi Everlyne Reteti, John Marshal Jayaraj and Karthikeyan Muthusamy* Pharmacogenomics & CADD Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India	Accepted
37.	<b>GSK3-Beta Inhibition – An Attractive Target in Alzheimer’s Disease Therapeutics</b> Jesu Castin.E, Karthik. S, Sherlin Rosita. A* Department of Biotechnology and Bioinformatics, Bishop Heber College (Autonomous), Trichy-620017.	Accepted
38.	<b>Effect of lupeol on insulin receptor and glucose transporter 4 expression in adipose tissue of high fat diet and sucrose – induced type -2 diabetic rats</b> Langeswaran K <sup>1</sup> , Ponnulakshmi R <sup>2</sup> , Pavithra <sup>3</sup> and Selvaraj J <sup>2*</sup> <sup>1</sup> Cell Biology & Molecular Oncology Laboratory, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India <sup>2</sup> Central Research Laboratory, Meenakshi Ammal Dental College & Hospital, Meenakshi Academy of Higher Education and Research, Maduravoyal, Chennai-600095, India <sup>3</sup> Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi, Chennai - 600 062	Accepted
39.	<b>Prediction of Potential Flavonoids against Cancer target survivin using Computational methods</b> Arumugam Sudha <sup>1</sup> , Pappu Srinivasan <sup>2</sup> and Jeyaraman Jeyakanthan <sup>1*</sup> <sup>1</sup> Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India <sup>2</sup> Department of Animal Health and Management, Alagappa University, Karaikudi - 630004, Tamil Nadu, India	Accepted
40.	<b>Structure based Virtual Screening toward the discovery of novel inhibitors for impeding the protein-protein interaction between HIV-1 integrase and human lens epithelium-derived growth factor (LEDGF/p75)</b> Umesh Panwar and Sanjeev Kumar Singh* Computer Aided Drug Design and Molecular Modelling Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India	Accepted
41.	<b>Structure Based Identification of Novel Anti-Tubercular Drugs using Drug Repurposing Strategy</b> M. Sita Sirisha, G. Narahari Sastry* Centre for Molecular Modeling, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad-500 007, India	Accepted
42.	<b>Hampering acetyl-lysine recognition of PCAF Bromodomain through novel acetylated cyclic peptides</b> Venkatesan Suryanarayanan and Sanjeev Kumar Singh* Computer Aided Drug Design and Molecular Modelling Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India	Accepted

43.	<p><b>Degradation of azodyes from Textile Wastewater using Microbes</b></p> <p>Surekha. K<sup>1</sup>, Jacqueline sathya<sup>2</sup>, Sabariswaran. R<sup>2</sup>, Anush. M<sup>2</sup>, Sivapriya. R<sup>2</sup>, Sanjeevkumar. R<sup>2</sup></p> <p><sup>1</sup>Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore-641029, India.  <sup>2</sup>Department of Biochemistry, Kongunadu Arts and Science College, Coimbatore-641029, India.</p>	Accepted
44.	<p><b>Atom Based 3D-QSAR, Induced Fit Docking and Molecular Dynamics Simulations study of Thieno[2,3-b]pyridines negative allosteric modulators of mGluR5</b></p> <p>Sitrarasu Vijaya Prabhu and Sanjeev Kumar Singh*</p> <p>Computer Aided Drug Design and Molecular Modelling Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
45.	<p><b>Text Mining and Data Integration of Genotype – Phenotype relationships</b></p> <p>Selvaraman Nagamani and G. Narahari Sastry</p> <p>Centre for Molecular Modeling, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad-500 007, India</p>	Accepted
46.	<p><b>Identification of potent inhibitors by analyzing domains, structure and mechanism of OCT4 using computational methodology</b></p> <p>Chirasmitha Nayak, Ishwar Chandra and Sanjeev Kumar Singh*</p> <p>Computer Aided Drug Design and Molecular Modelling Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
47.	<p><b>Exploring the Chemical Space with Fingerprints: Generating Aadhaar Card for a Molecule in MPDS</b></p> <p>M. Ram Vivek<sup>1</sup>, Lijo John<sup>1</sup>, Anamika Singh Gaur<sup>1</sup>, MPDS Consortium and G. Narahari Sastry<sup>1*</sup></p> <p>Centre for Molecular Modeling, CSIR- Indian Institute of Chemical Technology, Tarnaka, Hyderabad-500 007, India</p>	Accepted
48.	<p><b>Understanding the interaction between Retinoblastoma and HPV E7 – An <i>in silico</i> investigation</b></p> <p>Aarthy Murali and Sanjeev Kumar Singh*</p> <p>Computer Aided Drug Design and Molecular Modelling Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
49.	<p><b>An <i>In silico</i> approach on Anti-Obesity and Anti-Diabetic activity of certain natural plant compounds against Adiponectin</b></p> <p>S. Vikram and N. Anusuya*</p> <p>Department of Botany, Alagappa University, Science Block, Karaikudi-630004.</p>	Accepted
50.	<p><b>Computational Approach for the Identification of Potential CD4-mimetic HIV-1 entry inhibitors</b></p> <p>Ishwar Chandra, Chirasmitha Nayak and Sanjeev Kumar Singh*</p> <p>Computer Aided Drug Design and Molecular Modelling Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
51.	<p><b>Identification of Deleterious SNPs in HTT gene causing Huntington's Chorea through <i>in silico</i> approach</b></p> <p>Dr Ratish Kumar S*, Thennavan J</p> <p>PG and Research Department of Biotechnology, Kongunadu Arts and Science College</p>	Accepted
52.	<p><b>DENDB: Development of Specialized Antidengue Database using SVM and ARM Algorithms</b></p> <p>S. Jerlin Fargana<sup>1</sup>, RM. Vidhyavathi<sup>1*</sup>, V. Sameswari<sup>2</sup>, K. Kavitha<sup>3</sup></p> <p><sup>1</sup>Department of Bioinformatics, Alagappa University, Karaikudi.  <sup>2</sup>Alagappa Institute of Skill Development, Alagappa University, Karaikudi.  <sup>3</sup>Department of Computer Science, Mother Teresa Women's University, Kodaikanal</p>	Accepted

53.	<p><b>Identification of deleterious SNPs in PTPRC and TNFRSF1A genes causing multiple sclerosis and their structural analysis through <i>in silico</i></b></p> <p>Rathish Kumar S*, Jeslincheriyan Thomas Assistant Professor, PG &amp; Research Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore</p>	Accepted
54.	<p><b>Synthesis and Characterization of gold nanoparticles conjugate with antibiotics and its enhanced antibacterial activity</b></p> <p>P. Boomi<sup>a</sup>, P. Thiruselvi<sup>a</sup> and M. Karunakaran<sup>b</sup> <sup>a</sup>Department of Bioinformatics, Alagappa University, Karaikudi. <sup>b</sup>Alagappa Govt, Arts and Science College, Karaikudi.</p>	Accepted
55.	<p><b>Identification of potent inhibitors for viral protein NS3 helicase domain of Dengue Virus through <i>In silico</i> approach</b></p> <p>Sesu Aruldoss Sasi Scarlin, Sitrarasu Vijaya Prabhu and Sanjeev Kumar Singh* Computer Aided Drug Design and Molecular Modelling Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
56.	<p><b>Biodegradation and Decolorization of Azo Dyes using microbes</b></p> <p>Surekha. K<sup>1</sup>, Jacqueline sathya<sup>2</sup>, Sabariswaran. R<sup>2</sup>, Anush. M<sup>2</sup>, Sivapriya. R<sup>2</sup>, Sanjeevkumar. R<sup>2</sup> <sup>1</sup>Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore-641029, India. <sup>2</sup>Department of Biochemistry, Kongunadu Arts and Science College, Coimbatore-641029, India.</p>	Accepted
57.	<p><b>Mechanistic Insights into RelB induced Antiapoptotic signaling in Breast cancer – A computational approach</b></p> <p>Madhumathi Sanjeevi, Sanjay K. Choubey and Jeyaraman Jeyakanthan* Structural Biology &amp; Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
58.	<p><b>DRiPS: Database of Repeats in Protein Structures ‘Relationship between Protein Sequence and Structure’</b></p> <p>D. Anbarasi, Daliah Michael, Z. Sameer Ahmed, M. Gurusaran, M.K. Hussain, Namrata Bankoti and K. Sekar* Department of Computational and Data Sciences, Indian Institute of Science, Bangalore- 560 012, India</p>	Accepted
59.	<p><b><i>In silico</i> analysis of potential targets in Mycobacterium tuberculosis (H37Rv strain)</b></p> <p>D. Ramya shree, S. Chitradevi and J. Joseph Sahayarayan* Plant Bioinformatics Lab, Department of Bioinformatics, Science Campus, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
60.	<p><b>Role of chlorogenic acid in Isoproterenol-Induced Myocardial Infarction</b></p> <p>Lakshmanan Vennila*, Palaniyandi Akila Department of Biochemistry and Biotechnology, Faculty of Science, Annamalai University, Annamalainagar, TamilNadu</p>	Accepted
61.	<p><b>Drug repurposing approach on Zika virus helicase through <i>in silico</i> studies</b></p> <p>Sakthivel Karthika, Venkatesan Suryanaryanan, Murali Aarthi and Sanjeev Kumar Singh* Computer Aided Drug Design and Molecular Modelling Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
62.	<p><b>A Computational Biology Approach to identify novel inhibitors of IKK<math>\beta</math> protein from marine source for Type 2 Diabetes</b></p> <p>Sajitha Lulu S*, Sandhra George, Madhusmitha Rout and Mohamed Thoufic Zulaym Department of Biotechnology, School of Biosciences and Technology, VIT University, Vellore- 632014, Tamil Nadu, India</p>	Accepted

63.	<b><i>In silico</i> studies of proteins (rank, rankl &amp; opg) involved in osetoporosis and docking analysis of antiosteoporotic compounds isolated from medicinal plants</b>	Accepted
	S. Chitradevi, D. Ramyashree and J. Joseph Sahayarayan* Plant Bioinformatics Lab, Department of Bioinformatics, Science Campus, Alagappa University, Karaikudi - 630004, Tamil Nadu, India	
64.	<b>Evaluate the Antigenotoxicity and Anticancer Role of <math>\beta</math>-Sitosterol by determining oxidative DNA damage and the expression of phosphorylated Mitogen-activated Protein Kinases, C-fos, C-jun and Endothelial Growth Factor Receptor</b>	Accepted
	Sindhu G*, Sharmila R, A. Vijayalakshmi and G. Tamizharasi Department of Biochemistry and Biotechnology, Annamalai University, Tamil Nadu, India	
65.	<b>Identification of potential inhibitors for NS3 helicase of Zika virus through Molecular Dynamics studies</b>	Accepted
	Nanda Kumar Madhana Priya, Murali Aarthi and Sanjeev Kumar Singh* Computer Aided Drug Design and Molecular Modelling Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India	
66.	<b>Exploring genetic targets of psoriasis using Genome Wide Association Studies (GWAS) for drug repurposing</b>	Accepted
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67.	<b>Pharmacoinformatic exploration of RAGE inhibitors from <i>Trigonella foenum graecum</i> for Diabetic Retinopathy</b>	Accepted
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68.	<b><i>In silico</i> analysis of Brain Penetrant inhibitors against Dual Leucine Zipper Kinase (DLK) – A potential Alzheimer’s target.</b>	Accepted
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69.	<b>Effect of biochemical and molecular mechanism of rutin against alcohol induced hepatotoxicity</b>	Accepted
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70.	<b>Cancer Targeting through survivin expression in Breast Cancer Cell line, MCF-7</b>	Accepted
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71.	<b>Free Radical Scavenging Activity of Polymer Encapsulated Neem Oil Nanoemulsion</b>	Accepted
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72.	<b><i>In silico</i> analysis of Elephantiasis inhibitors against UDP-galactopyranose</b>	Accepted



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73.	<p><b><i>In vitro</i> thrombolytic activity of the plant extracts</b></p> <p>K. Chandra Mouleeswaran, S. Preetiga , M. Hajistha Parveen, M. Vandhana, R. Pavithra and R. Amsaveni<sup>*</sup>  PG and Research Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore-641029.</p>	Accepted
74.	<p><b>Identification of Potential inhibitors against Wbm0238 from Wolbachia endosymbiont <i>Brugia malayi</i> an <i>insilico</i> approaches</b></p> <p>M. Sushma Chowdary<sup>1</sup>, Mathimaran Amala<sup>2</sup>, Jeyaraman Jeyakanthan<sup>2*</sup>, Chellam Jaynthy<sup>1</sup>  <sup>1</sup>Department of Bioinformatics, Sathyabama Institute of Science and Technology, Chennai-600119  <sup>2</sup>Structural Biology &amp; Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted
75.	<p><b>Structural and Functional Characterisation of Kanamycin resistant like protein (TTHA1575) from <i>Thermus thermophilus</i> HB8</b></p> <p>S. Baby Anusha<sup>1</sup>, Dhamodharan Prabhu<sup>2</sup>, Jeyaraman Jeyakanthan<sup>2*</sup>, M. Xavier Suresh<sup>1</sup>  <sup>1</sup> Department of Bioinformatics, Sathyabama Institute of Science and Technology, Chennai-600119, Tamil Nadu, India  <sup>2</sup>Structural Biology &amp; Bio-Computing Lab, Department of Bioinformatics, Alagappa University, Karaikudi - 630004, Tamil Nadu, India</p>	Accepted