PROFILE

Dr. J. JEYAKANTHAN
Vice-Chancellor i/c
Alagappa University
Karaikudi - 630004
Tamil Nadu, India

Dr. J. JEYAKANTHAN M.Sc., M.Phil., Ph.D., D.Sc.
(FRSB, FRSC and FNACh)
Vice-Chancellor i/c
Alagappa University, Karaikudi



#402, 4th Floor, Science Block
Alagappa University
Karaikudi-630004
Tamil Nadu, India

Phone : +91-4565 - 230725
Mobile : +91-9789809245
Fax : +91-4565 - 225202
E-mail : jjkanthan@gmail.com
jjeyakanthan@alagappauniversity.ac.in
Website : www.jjkanthan.org
www.alagappauniversity.ac.in

TEACHING AND RESEARCH EXPERIENCE

Position	Institute/University	Period
Senior Professor and Head	Department of Bioinformatics	March 2020 - Till date*
Professor and Head	Department of Bioinformatics	March 2010 - March 2020
Research Scientist	National Synchrotron Radiation Research Centre, Taiwan, Beamline, Spring-8, Japan	May 2007 - March 2010
Research Associate	RIKEN Harima Institute, SPring-8, Japan	June 2003 - May 2007
PDF	Indian Institute of Science, Bangalore	January 2000 - May 2003

ACADEMIC COMPETENCE

Year of Passing	Degree/Diploma	University/Institution
2022	D.Sc (Bioinformatics)	Alagappa University
2000	Ph.D. (Crystallography and Biophysics)	University of Madras
1999	P.G.D.C.A	MIT, Anna University
1995	M. Phil. (Physics)	M. K. University
1993	M.Sc. (Physics)	M. K. University

RESPONSIBILITIES - AUTHORITY

2026 - *	Vice-Chancellor i/c	Alagappa University, Karaikudi
2024 - *	Member	Syndicate of Alagappa University (Nominated by Hon'ble Governor of Tamil Nadu)
2024 - *	Member	Finance Committee, Alagappa University
2016 - 19	Member	Syndicate of Alagappa University (Nominated by Hon'ble Governor of Tamil Nadu)
2010 - *	Member	Senate of Alagappa University

ACADEMIC RESPONSIBILITIES - ALAGAPPA UNIVERSITY

2023 - 26	Dean, Faculty of Science	All Science Departments, Alagappa University
2023 - *	Project Coordinator	DBT-BIC & NNP
2022 - 23	Project Coordinator	Higher Education Best Practice Cell, Alagappa University
2022 - *	Project Coordinator	DBT-Bioinformatics and Computational Biology Center, Department of Bioinformatics
2022 - *	Ambassador	The Association of Commonwealth Universities (ACU), Alagappa University
2022 - *	Member	Project Monitoring Unit Academic Core Committee of RUSA 2.0
2021 - *	Member	Learning Outcome Based Curriculum Framework (LOCF)
2021 - *	Member	Guru Dakshata – UGC Quality Mandates
2021 - *	Member	Paramarsh - UGC Quality Mandates
2021 - *	Member	CARE/STRIDE - UGC Quality Mandates
2019 (Mar– Nov)	Head of the Department	Department of Botany, Alagappa University
2017 - *	Project Coordinator	DST-PURSE Program (Phase-II) – All Science Departments, Alagappa University
2017 - *	Project Coordinator	DST-FIST Program (Level-I), Department of Bioinformatics, Alagappa University
2017 - *	Project Coordinator	DST-FIST (Phase-II).
2017 - *	Project Coordinator	DST-FIST (Level-I).
2016 - *	Member	Research Advisory Committee (RAC), Alagappa University
2016 - *	Academic Staff	Anti-Ragging Committee, Alagappa University
2015 - *	Chairperson	School of Biological Sciences, Alagappa University
2013 - *	Project Coordinator	UGC Innovative Program (PG diploma)
2013 - *	Project Coordinator	UGC Innovative Program (PG Diploma), Department of Bioinformatics, Alagappa University
2012 - 13	Coordinator	Career Guidance & Counselling Cell, Alagappa University
2012 - 15	Member	Research Advisory Committee, Alagappa University
2010 - *	Member	Website Maintenance Committee, Alagappa University
2010 - *	Member	Standing Committee on Academic Affairs, Alagappa University
2010 - *	Member	Member of the Senate

2010 - *	Chairman	Board of Studies of Bioinformatics, Alagappa University
2010 - *	Head of the Department	Department of Bioinformatics, Alagappa University

ADMINISTRATIVE RESPONSIBILITIES

2019 - *	Director	Alagappa University Ranking Cell (AURC)
2015 - 17	Director	Directorate of Collaborative Programmes, Alagappa University
2012 - 16	Director	Centre for International Relations, Alagappa University
2018 -*	Project Coordinator	Tamil Nadu State University Rating Framework (TANSURF), Alagappa University
2017 - 19	Project Coordinator	National Institutional Ranking Framework Cell
2022 - 24	Member	Internal Quality Assurance Cell (IQAC)
2019 - 21	Member	Center for Internal Quality Assurance Committee, Directorate of Online Programmes, Alagappa University
2018 - 20	Member	Internal Quality Assurance Committee, Directorate of Distance Education (DDE), Alagappa University
2018 - 20	Member	Sports Advisory Board
2018 - 19	Member	Governing Council for DDE, Alagappa University
2018 - 19	Member	Board of Governors of RUSA 2.0, Alagappa University
2016 - 19	Member	Purchase Committee of Alagappa University
2010 - 16	Member	Internal Quality Assurance Cell (IQAC)

ACADEMIC RESPONSIBILITIES - OTHER UNIVERSITY/ INSTITUTES

2026 - *	Member	Board of Studies, Bishop Heber College, Tiruchirapalli.
2026 - *	Member	Alagappa Model Higher Secondary School, Karaikudi.
2025 - *	Member of Academic Council	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.
2025 - *	Member	PG Board of studies in Bioinformatics & Computational Biology and B.Sc (Honors) in Bioinformatics, Pondicherry University.

2025 - *	Member	Board of Studies, Department of Biotechnology, Central University of Tamil Nadu, Thiruvarur.
2025 - *	Member	Ph.D Horticulture Programme, Central University of Tamil Nadu, Thiruvarur.
2025 - *	Member	Research Advisory Council (RAC), Central University of Tamil Nadu, Thiruvarur
2025 - *	Member	Board of Studies in Department of Epidemiology & Public Health, Central University of Tamil Nadu.
2025 - *	Chairperson	Human Ethics Review Board, Central University of Tamil Nadu, Thiruvarur.
2022 - *	Distinguished Adjunct Faculty	Karpagam Academy of Higher Education, Coimbatore
2019 - 25	Member	Research Advisory Committee, Karpagam Academy of Higher Education, Coimbatore
2019 - 21	Member	Local Program Planning & Management Committee (LPPMC), Bharathiar University, Coimbatore
2018 - 21	Member	Research Committee, Bharathidasan University, Trichy
2017 - 19	Member	Academic Council, Thassim Beevi Abdul Kader College for Women, Ramanathapuram
2015 - 20	UGC Nominee	SAP implementation and governance of in Department of Physics, Punjab University, Chandigarh
2015 - 18	Member	Standing Committee on Academic Affairs, Bharathidasan University, Trichy.

RESPONSIBILITIES IN CURRICULUM DEVELOPMENT- OTHER UNIVERSITY/ INSTITUTES

2025- 28	Chairperson	Institutional Human Ethics Review Board (IHERB), Central University of Tamil Nadu (CUTN)
2022 - *	Member	Board of Studies in Department of Bioinformatics, Bishop Heber College, Bharathidasan University, Trichy.
2022 - *	Member	Board of Studies in Department of Bioinformatics, Bharathidasan University, Trichy.
2022 - *	Member	Board of Studies in Department of Bioinformatics, University of Madras.
2020 - *	Member	Board of Studies in Department of Bioinformatics, School of Chemical and Biotechnology, SASTRA Deemed University,Thanjavur.
2018 - *	Member	Board of Studies in Bioinformatics, Bharathiar University, Coimbatore.
2019 (Mar - Nov)	Chairman	Board of Studies of Botany, Alagappa University.
2018 - 21	Member	Board of Studies in Environmental Biotechnology, Bharathidasan University, Trichy.

2015 - 18	Member	Board of Studies in Bioinformatics and Information Technology, Thiruvalluvar University, Vellorarche.
2015 -18	Chairman	Board of Studies in Bioinformatics (UG, PG & PG Diploma), Bharathidasan University, Trichy.
2015 - 17	Member	Board of Studies in Bioinformatics, Bharathiar University, Coimbatore.
2014 -17	Member	Board of Studies in Faculty of Bio and Chemical Engineering, Sathyabama University, Chennai.
2013 - 16	University Representative	Board of Studies of Bioinformatics (Bharathidasan University), Holy Cross College, Trichy.
2012 - 15	Member	Board of Studies of Bioinformatics, Periyar University, Salem.
2012 - 15	Member	Board of Studies of Physics, V.H.N.S.N. College, Virudhunagar.

MEMBERSHIP IN SCIENTIFIC SOCIETIES

S. No	Position	Affiliation/Society/Body
1.	Member	American Crystallographic Association
2.	Vice-President & Life Member	Bioinformatics and Drug Discovery Society (BIDDS)
3.	Member	British Crystallographic Association
4.	Executive Committee Member & Life Member	Indian Crystallographic Association
5.	Life Member	Indian Science Congress Association
6.		Chemical Research Society of India
7.		Society of Biological Chemists, India
8.		Biotech Research Society, India
9.	Member	World Directory of Crystallographers

RESEARCH PROFILE

Broad Subject : Structural Biology and Bio-Computing

Area of Specialization : Small and Macro Molecule X-ray Crystallography

Current Research Focus

Two areas of research that I am currently working on include Structural Biology, Computer Aided Drug Design and Bio-Computing. My primary research interest is in the field of Structural and Functional aspects of model organisms namely *Thermus thermophilus* HB8 and *Pyrococcus horikoshii* OT3 that share similarity to the human genome. I seek to better understand the structure, mechanism of action and disease processes associated with therapeutic protein targets (Pak1, SIRT4, nsP2 Protease, STAT2, lysine biosynthesis proteins, *Plasmodium falciparum* and ViralRdRp and Spike proteins) in various pathogens and human disorders. My twenty-nine years of research expertise involves mixed methodology of computational, biochemical and structural biological approaches to identify potent protein drug targets to treat Diabetes, Chikungunya, Dengue, Filariasis, Malaria, Covid-19 and Nosocomial Infections (caused by ESKAPE and Nocardia Pathogens).

FUNDS RECEIVED

TOTAL FUNDS RECEIVED FOR VARIOUS RESEARCH SCHEMES, PROJECTS, FELLOWSHIPS AND ORGANIZING CONFERENCES: Rs. 2,196.97 Lakhs.

RESEARCH PROJECTS

FUNDS RECEIVED: Rs. 1,171.13 Lakhs

S. No.	Ongoing Research Projects	Position	Funding agency	Amount (Rs in Lakhs)	Period	Status
1.	Identification of Potential Drug Targets in Human Pathogenic Ocular Nocaria Species Using Genomics and Computational Approaches	Co-PI	CMRG	12.80	2025- *	Ongoing
2.	Whole Genome Sequencing and Deposition of NGS Data from Cultivated Microbial Isolates Acquired from Farmed Shrimp Varieties.	PI	US-FDA	53.75 (64,221 USD)	2024 - *	Ongoing
3.	Deciphering the Microbiomes Role in Breast Cancer Progression: A Metagenomic and Bioinformatics Approach to Identifying Biomarkers and Therapeutic Targets.	PI	ICMR	50.07	2024 - *	Ongoing
4.	Understanding the Mechanism of SARS-CoV-2 RNA Replication Initiation and Proofreading for Therapeutics	PI	MoE-STARS	91.00	2024 - *	Ongoing
5.	DBT-NNP (National Network Project)	Coordinator & PI	DBT	144.56	2023 -*	Ongoing
6.	DBT-BIC (Bioinformatics and Computational Biology Center)	Coordinator & PI	DBT	183.8	2022 -*	Ongoing

S. No.	Completed Research Project	Position	Funding agency	Amount (Rs.in Lakh)	Period	Status
1.	Targeting Acetate Kinase in *Mycobacterium tuberculosis*: Peptide-Based Inhibitor Developed and Structural Insights	Co-PI	CSIR	11.28	2025 - 26	Completed
2.	Molecular Insight and *In vitro* validation of Novel lead molecules against Sh3bp2 and kit protein	Co-PI	ICMR	24.48	2023 -26	Completed
3.	Computational and functional characterization of peptide					

	inhibitors disrupting LIMK2-cofilin interaction as a novel therapeutic target towards Glaucoma.	Co-PI	ICMR	15.80	2022 - 24	Completed
4.	Translational Health Research for Human Animal and Plant systems (TBRP)	PI	RUSA 2.0 (Phase -II)	15.63	2022 -23	Completed
5.	Structural and functional insights of potential anti-malarial drug targets of G6PD and 6PGD from *Plasmodium falciparum*(3D7)	PI	DST INDO-TAIWAN	73.72	2020 - 24	Completed
6.	Structural and functional characterization of phospeotransacetylase (PTA) and Acetate Kinase (ACKA) from Mycobacterium tuberculosis H3R7Rv using *in silico* and *in vitro* studies.	PI	TANSCHE	29.80	2021- 24	Completed
7.	Translational Health Research for Human Animal and Plant systems (TBRP)	PI	RUSA 2.0 (Phase -I)	18.14	2019- 21	Completed
8.	Design, Synthesis and *in vitro* anticancer activity of novel and potent signaling influences therapeutic outcome in pancreatic cancer vated kinase 1 (Pak1) inhibitors	PI	DAE-BRNS	30.33	2018- 21	Completed
9.	Structural insights of SIRT4 protein from *Homo sapiens* to identify inhibitors for the treatment of Type-II diabetes	PI	ICMR	33.34	2017- 20	Completed
10.	Identification of Potential Anti-Filiarial drug targeted enzymes Wbm0441, Wbm0042 from Wolbachia endosymbiont *Brugia malayi*	PI	DST-SERB	69.38	2016- 19	Completed
11.	Structural and Functional Insights of potential therapeutic dengue fever target STAT2 protein from *Homo Sapiens*	PI	UGC-RA	37.8	2016- 18	Completed
12.	Development of Web Based Search Engines for the Analyses of Protein interactions with Nucleotides, Fatty Acids and Buffers	PI	DBT	13.81	2015- 18	Completed
13.	Identification of novel drug…. of the pathogen (TWIN Program)	Co-PI	DBT-Twin	73.69	2014- 17	Completed

14.	Structural and Functional Studies of Purine Biosynthesis complex from *Pyrococcus horikoshii* OT3	PI	DST	48.98	2013- 16	Completed
15.	Structural and Functional Studies of Translation Initiation factors from *Pyrococcus horikoshii* OT3	PI	DBT-Twin	77.00	2013- 16	Completed
16.	Structure determination of CPS and ATCase of *Thermus thermophilus* HB8 and identification of potential inhibitors	PI	DBT	32.16	2012- 15	Completed
17.	Structural and Functional analysis Of Orotate Phosphoribosyl transferase (TTHA1742) and Dihydroorotate Dehydrogenase (TTHA0779) from *Thermus thermophilus* HB8	PI	DBT	50.25	2012- 15	Completed
18.	Structure and functional studies on PH0140 protein from *Pyrococcus horikoshii* OT3	PI	UGC	12.90	2012- 15	Completed

GRANTS GENERATED FOR VARIOUS RESEARCH SCHEMES/SUPPORTING PROGRAMMES

FUNDS RECEIVED: **Rs. 816 Lakhs**

S. No.	Title	Position	Funding agency	Amount (Rs in Lakhs)	Period	Status
1.	DST-FIST (Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions) Level – I	Coordinator	DST	62.0	2018-*	Ongoing
2.	DST-PURSE Programme (Phase 2) – All Science Departments	Coordinator	DST	700	2017-*	Ongoing
3.	UGC Innovative Programme – PG Diploma in Structural Pharmacogenomics (Post M.Sc. – One year Course)	Coordinator	UGC	54.0 + 2 Assistant Professor Salary for 5 yrs	2013-18	Completed

PRINCIPAL INVESTIGATOR FOR STUDENT FUNDED PROJECTS

FUNDS RECEIVED: **Rs. 209.84 Lakhs**

S. No.	Title	Position	Funding agency	Amount (Rs in Lakhs)	Period	Status
1.	Identification of Potential Drug Targets in Human Pathogenic Ocular Nocaria Species Using Genomics and Computational Approaches	Research Mentor	CMRG	12.80	2025- 27	Ongoing
2.	Targeting Acetate Kinase in *Mycobacterium tuberculosis*: Peptide-Based Inhibitor Developed and Structural Insights	Research Mentor	CSIR-Direct SRF	11.28	2025 - 28	Ongoing
3.	Deciphering the Microbiomes Role in Breast Cancer Progression: A Metagenomic and Bioinformatics Approach to Identifying Biomarkers and Therapeutic Targets	Research Mentor	ICMR-Women Scientist	50.07	2024- 27	Ongoing
4.	Investigation of potential inhibitors for alpha linolenic acid (ALA) metabolism in the human malaria parasite	Research Mentor	UGC Kothari Fellow	20.96	2022 -24	Completed
5.	Computational and Experimental Characterization of Therapeutic Protein Targets in *Acinetobacter baumanniii*	Research Mentor	ICMR (SRF)	9.55	2022- 24	Completed
6.	Structural studies on polyamine biosynthesis enzymes	Research Mentor	ICMR (SRF)	9.55	2022- 24	Completed
7.	Three-dimensional structure determination of Bacterial DNA Adenine Methyltransferase from Acinetobacter baumannii to be used as drug targets for designing antibiotics	Research Mentor	ICMR (RA)	13.2	2022 -24	Completed

8.	Structural & Functional Insights of Vancomycin Resistant Protein VanR from Enterococcus faecium using In vitro and in silico Approach	Research Mentor	ICMR (RA)	13.2	2022 -24	Completed
9.	Structural and Functional Insights on Anti-Filarial Drug targeted enzymes using *in silico* and *in vitro* approach	Research Mentor	ICMR (SRF)	4.77	2022- 23	Completed
10.	Experimental and Computational studies on Proteins involved in Peptidoglycan biosynthesis pathway from *Wolbachia* Endosymbiont of *Brugia malayi*	Research Mentor	ICMR (SRF)	9.47	2020- 22	Completed
11.	Structural insights mechanism of type II diabetes proteins from *home sapiens* to identify potential inhibitors computational and biochemical studies	Research Mentor	ICMR (SRF)	8.80	2019- 21	Completed
12.	Structural and functional elucidation and inhibitors identification for SMATase from *Serratia marcescens* to overcome antibiotic resistance	Research Mentor	ICMR (SRF)	8.97	2018- 20	Completed
13.	Transcriptional Regulation by p21-Activating kinase-1 with an Agonist RUNX3 and Antagonist peptides modulating Pancreatic Cancer: A Structural and Computational approach	Research Mentor	UGC (OBC)	19.06	2016- 21	Completed
14.	Structural and functional studies on Transcriptional regulatory proteins from *Thermus thermophilus* HB8 and p*yrococcus horikoshii* OT3 - *In silico* and *in vitro* studies	Research Mentor	UGC (MANF)	18.16	2014- 19	Completed

GRANTS GENERATED FOR ORGANIZING CONFERENCES

FUNDS RECEIVED : Rs. 69.88 Lakhs

S. No.	Title	Position	(Rs in Lakhs)			
			Funding Sources		Industrial Sponsors	Total
1.	International Conference on Recent Trends in Structural Bioinformatics and Computer-Aided Drug Design **(ICSBCADD'2025)**	Convener And Organizing Secretary	DBT-BIC & NNP	3.50	0.55	**12.05**
			CSIR	0.50		
			DBT-CTEP	3.00		
			DST-ANRF	3.00		
			ALU	1.50		
2.	Three Days Skill Training Workshop on Structural Bioinformatics and Computer Aided Drug Design **(WSBCADD'2025)**	Organizing Secretary	RUSA 2.0	2.70	-	**2.70**
3.	International Conference on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design **(ICSBCADD'2022)**	Convener	DST-SERB	3.50	1.73	**11.63**
			DBT-CTEP	1.50		
			DBT-BIC	4.90		
4.	International Conference on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design **(ICSBCADD'2019)**	Convener	DBT	1.50	2.25	**12.50**
			DST	2.00		
			CSIR	1.00		
			TNSCST	0.25		
			INSA	0.50		
			AU-RUSA	5.00		
5.	11th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design **(SBCADD'2019)**	Convener	DST	1.50	0.50	**5.75**
			AU-RUSA	3.75		
6.	10th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (**SBCADD'2018**)	Organizing Secretary	DBT	1.00	1.75	**6.05**
			DST	1.50		
			ICMR	0.40		
			CSIR	0.50		
			AU	0.90		
7.	9th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design **(SBCADD'2017)**	Convener	DBT	0.50	0.70	**1.85**
			ICMR	0.40		
			TNSCST	0.25		

8.	8th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (**SBCADD'2016**)	Convener	DBT AU	1.00 1.00	0.70	**2.70**
9.	7th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (**SBCADD'2015**)	Organizing Secretary	DBT DST TNSCST	0.50 1.50 0.25	0.90	**3.65**
10.	6th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (**SBCADD'2014**)	Convener	DBT CSIR UGC	1.00 0.25 1.00	0.75	**3.0**
11.	5th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (**SBCADD'2013**)	Convener	DBT DST	2.00 1.00	0.50	**3.50**
12.	4th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (**SBCADD'2012**)	Convener	DBT TNSCST	2.00 0.25	0.30	**2.55**
13.	3rd National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (**SBCADD'2010**)	Organizing Secretary	DBT TNSCST AU	0.75 0.20 1	-	**1.95**

RESEARCH GUIDANCE: AWARDED - 20 UNDER GUIDENCE - 05

S. No	**Name of the candidate**	**Title**	**Year of Registration**	**Year of Completion**
1.	K. Surekha	Structural and Functional Studies on Pyrimidine Biosynthetic enzymes from hyperthermophile *Thermus thermophilus* HB8	2011	May, 2018
2.	M. Nachiappan	Structural and Functional Characterization of Aminoacyl tRNA Synthetases using *in vitro* and *in silico* Approaches	2011	May, 2019
3	D. Prabhu	Structural and Functional Characterization of Streptomycin Adenylyltransferase using *in silico*and *in vitro* approaches.	2012	July, 2020

4.	Sanjay Kumar Choubey	Structural and Functional Studies of Notch Signaling Crosstalk Pathway Proteins from *Homo Sapiens*	2013	August, 2019
5.	R. Santhosh	Web based computing servers for the analysis of Biological Macromolecules	2013	October, 2020
6.	R. Guru Raj Rao	Structural and functional studies on Purine Biosynthesis enzymes from *Pyrococcus horikoshii* OT3: An *Insilico* and *Invitro* Apporach	2014	September, 2021
7.	M. Richard	Structural and Functional Studies on Transcriptional Regulatory proteins from *Thermus thermophilus* HB8 and *Pyrococcus horikoshii* OT3 – *In silico* and *In vitro* approaches	2014	November. 2021
8.	Jayashree Biswal	Structure based design and Biological Validation of Inhibitors for Selected Activated Kinases	2014	December, 2021
9.	J. Prajisha	Structural Insights mechanism of Kinase proteins from *Homo sapiens* to identify type 2 diabetes inhibitors using Computational approaches	2015	August 2022
10.	R. Raghu	Computational Design and Discovery of Potential Kinase Inhibitors	2015	September 2024
11.	M. Veerapandiyan	Structural Studies on Polyamine Biosynthesis Enzymes	2016	September 2024
12.	P. Saritha	Experimental and computational studies on protein involved in peptidoglycan biosynthesis pathway from pathogens	2018	September 2023
13.	M. Amala	Structural and Functional Insights on Anti-Filarial Drug targeted enzymes using *in silico* and *in vitro* approach	2018	September 2023
14.	S. Madhumathi	Web based server for protein sequences and structures through data mining and Computational approaches	2019	September 2024
15.	N. Hemavathy	Insilico conformational analysis and design of inhibitors targeting LIM kinases	2019	August 2025
16.	R. Raji	Computational and Experimental Characterization of Therapeutic Protein Targets in *Acinetobacter baumannii*	2020	April 2026
17.	S. Sneha	Structural and Functional Characterization of enzymes involved in central metabolism pathway from *Mycobacterium tuberculosis* using *Insilco* and *Invitro* studies	2021	April 2026
18.	A. Karthika	Structural and Functional Exploration of Multi-Drug Resistant Efflux Pump Proteins from *Acinetobacter baumannii* towards Inhibitors Identification	2021	August 2025
19.	N. Shaslinah	Computational and Characterization of Therapeutic Potent Targets from *Nocardia farcinica*.	2022	August 2026

20.	N. Bhuvaneswari	Characterization of Novel Drug Targets in *Pseudomonas aeruginosa* using Subtractive Genomics Approach	2022	August 2026
21.	K. Heyram	Investigaing the Transcriptome of the Medicinal plants to identify lead molecules for Antibacterial against ESKAPE pathogens	2023	Ongoing
22.	Pradeep Kumar S	Computational and Experimental Characterization of Therapeutic Protein Targets from *Enterococcus faecium*	2024	Ongoing
23.	Maharaja M. S	Identification of Potent Therapeutic Protein Targets from Pathogenic Strains of *Nocardia asteriodes* using Computational Approaches	2024	Ongoing
24.	R. Veena	Identification of Potential Drug Targets in Human pathogenic *Nocardia cyriacigeorgica* using Computational Approaches	2024	Ongoing
25.	N Maheswari	Identification of Novel Drug Targets and Vaccine Candidates in *Leptospira interrogans* through Subtractive Genomics and Reverse Vaccinology	2025	Ongoing
26	Abhinaya S	Integrated Computational Discovery of Potential Targets and Therapeutic Leads Against Multidrug-Resistant *Klebsiella pneumoniae*	2026	Ongoing

Dissertation Supervision				
Degree	**Ongoing**		**Completed**	
M. Phil	**-**		**Alagappa:** 8	**Other:** -
M.Sc/ M.Tech	**Alagappa:** -	**Other:** -	**Alagappa:** 45	**Other:** 16
Project Fellows	**Alagappa:** 2	**Other:** -	**Alagappa:** 4	

POST DOCTORAL FELLOWS/RESEARCH ASSOCIATE

S. No	Name of the candidate	Title of the Project	Period	Status
1.	Dr. S. Rajamanikandan	RUSA 2.0 - Experimental and Computational Drug Discovery Studied for Life Threatening Disease	2019 - 2021	Completed
2.	Dr. V. M. Manikandamathavan	RUSA 2.0 - Experimental and Computational Drug Discovery Studied for Life Threatening Disease	2019 - 2021	Completed
3.	Dr. Balajee Ramachandran	RUSA 2.0 - Experimental and Computational Drug Discovery Studied for Life Threatening Disease	2019-2021	Completed

4.	Dr. M. Nachiappan	RUSA 2.0 - Experimental and Computational Drug Discovery Studied for Life Threatening Disease	2019 - 2021	Completed
5.	Dr. Vishwanathan Vijayan	Three-dimensional structure determination of Bacterial DNA Adenine Methyltransferase from Acinetobacter baumannii to be used as drug targets for designing antibiotics	2022 - 2023	Completed
6.	Dr. M. Ahila	Structural and Functional Insights of Vancomycin Resistant Protein VanR from Enterococcus faecium using In vitro and in silico Approach	2022 - 2024	Completed
7.	Dr. C.N. Rahul	Investigation of potential inhibitors for alpha linolenic acid (ALA) metabolism in the human malaria parasite	2021 - 2024	Completed
8.	Dr. J. Manikandan	Identification of potent drug for life threatening disease	2022 - *	Ongoing
9.	Dr. B. Thiyonila	Deciphering the Microbiomes Role in Breast Cancer Progression: A Metagenomic and Bioinformatics Approach to Identifying Biomarkers and Therapeutic Targets	2024 - *	Ongoing

AWARDS & HONORS

Fellowships

S. No	Fellowship	Funding agency	Period
1.	Post- Doctoral Fellowship	IRPHA	January 2000 - May 2003
2.		DST	
3.		DBT	
4.	Senior Research Fellowship	CSIR	December 1997– December 2000

National Awards

S. No	Award	Funding agency	Year
1.	Academic and Research Excellence Award	Alagappa University, Karaikudi	2026
2.	IITM-Nurturing Future Leadership Program (IITM-NFLP)	Indian Institute of Technology, Madras	2026

3.	Academic and Research Excellence Award	Alagappa University, Karaikudi, India.	2025
4.	Senior Scientist Award (Dr Niranjalii Devaraj Award)	The Academy of Science (ACS), Chennai	2024
5.	Outstanding Academic and Researcher Award	Alagappa University, Karaikudi	2024
6.	Outstanding Academic and Researcher Award		2023
7.	Outstanding Researcher Award		2022
8.	Leadership Development for the Dean of Faculty and head of the Department of Universities	National Institute of Educational Planning and Administration (NIEPA), New Delhi, India. Ministry of Education (MoE)	2024
9.	Tamil Nadu Scientist Award (TANSA-2018)	Tamil Nadu State Council for Science and Technology	2018
10.	MHRD –Leadership for Academicians Programme (LEAP)	NIT-Trichy, IIIT-Sri City& NTU-Singapore	2019
11.	Research Award (with 2 years' salary)	UGC	2016
12.	Elected Fellow (FASCh.)	Academy of Sciences, Chennai	2015
13.	Young Scientist Travel Grant	DST, Government of India	1999
14.	Senior Research Fellow (SRF)	CSIR, Government of India	1997

International Awards

S. No	Award	Funding agency	Year
1.	Fellow Royal Society of Chemistry, UK	RSC	2025
2.	Fellow Royal Society of Biology, UK	RSB	2025
3.	Who's Who Scientific Directory	'Marquis'	2007
4.	Young Scientist Travel Grant	UNESCO	1999
5.	Young Scientist Fellow	IUCr	1999

INTERNATIONAL VISIT FOR ACADEMIC/ RESEARCH PURPOSE

S. No	Name of the University	Country	Purpose	Duration
1.	Binary University of Management and Entrepreneurship	Malaysia	Academic and Research Collaborations	29th-31st January, 2019
2.	Open University of Malaysia			
3.	Tangshan Polytechnic College	China		8th – 10th April, 2019
4.	Tianjin University			
5.	Nanyang Technological University	Singapore		11th – 12th April, 2019

INTERNATIONAL VISITS AS VISITING SCIENTIST/RESEARCHER

S. No	Institute	Period

1.	National Synchrotron Radiation Research Center, Taiwan	05th-08thDecember, 2017
2.	Osaka University and RIKEN SPring-8, Japan	22nd -30thJune, 2014
3.		02nd -08thDecember, 2012
4.		09th-16thDecember, 2011
5.		22ndMarch- 6thJune, 2010
6.	Abroad Academic Visit/Visiting Scientist - USA, UK, Australia, Japan, Italy, China, South Korea, Singapore, Germany Taiwan, Hawaii, and Malaysia etc...	1999 - *

MOU EXECUTED WITH INSTITUTES & UNIVERSITIES

International

S. No	Institute	Purpose	Period	Status
1.	National Synchrotron Radiation Research Centre (NSRRC), Taiwan	Joint Research and Academic Programmes	2022-27	Ongoing
2.		Joint Research and Academic Programmes	2017-20	Completed
3.		Joint Research and Academic Programmes	2014-17	Completed
4.	School of Science, Osaka University, Japan	Academic and Student Exchange Program	2010-15	Completed
5.	Institute for Protein Research (IPR), Japan	Collaborative Research	2010-15	Completed
6.	RIKEN, Kanagawa, Japan	Collaborative Research	2010-15	Completed
7.	Bio-Metal Science Lab, RIKEN, Spring-8, Japan	Material Transfer Agreement	2010-15	Completed

National

S. No	Institute	Purpose	Period	Status
1.	Vellamal Medical College Hospital and Research Institute, Madurai	Collaborative Research	2024-29	Ongoing
2.	Sri Ramachandra Institute of Higher Education and Research, Chennai	Collaborative Research	2024-29	Ongoing
3.	ICAR- National Research Centre for Banana, Tiruchirappalli	Collaborative Research	2023 - 28	Ongoing
4.	Karpagam Academy of Higher Education, Coimbatore	Collaborative Research	2023 - 28	Ongoing
5.	Sri Ramachandra University, Chennai	Collaborative Research	2023-28	Ongoing
6.	Orbito Asia Diagnostics, Coimbatore	Collaborative Research	2022 - 27	Ongoing
7.	Sree Balaji Medical College and Hospital (Biher) Medical College, Chennai.	Collaborative Research	2021 - 26	Ongoing
8.	Vision Research Foundation, Chennai	Collaborative Research	2021- 24	Ongoing
9.	CSIR-Institute of Genomics & Integrative Biology, Delhi	Collaborative Research	2020 - 25	Ongoing
10.	Bishop Heber College (Autonomous, Tiruchirappalli)	Joint Research and Academic Programmes	2018 - 23	Completed
11.	Indian Institute of Technology-Madras, Chennai	Joint Research and Academic Programmes	2017 - 22	Completed
12.	GE Healthcare Pvt. Ltd., Karnataka	Academia and Industry training towards application on Protein related studies	2017 - 19	Completed
13.	Sri Ramachandra University, Chennai	Joint Research and Academic Programmes	2016 - 21	Ongoing

ACADEMIC/ RESEARCH EVENTS ORGANIZED IN LEAD ROLES

S. No	Position	Event Title	Date
1.	Convenor and Organizing Secretary	3rd International Conference on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (ICSBCADD'2025)	17th – 19th Dec, 2025
2.	Convener	2nd International Conference on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (ICSBCADD'2022)	21st - 25th Nov, 2022

3.	Convener	E-Learning Program on "Bioinformatics as cartographic tool in drug discovery"	19th - 30th May, 2020
4.	Convener	1st InternationalConference on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (ICSBCADD'2019)	11th - 13th Dec, 2019
5.	Convener	International Conference on Innovative and Emerging Trends in Botany (ICIETB-2019)	6th - 7th Nov, 2019
6.	Convener	11th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2019)	12th - 15th Feb, 2019
7.	Organizing Secretary	10th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2018)	20th - 23rd Feb, 2018
8.	Convener	9th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2017)	14th - 17th Feb, 2017
9.	Organizing Secretary	Fire and Safety Awareness Camp for our University Students and Staff members	19th Oct, 2016
10.	Organizing Secretary	Eye Camp for Faculty members, Administrative Staffs and Students of our University	5th Oct, 2016
11.	Convener	World Habitat Day Celebration	3rd Oct, 2016
12.	Co-Convener	International Conference on Recent Trends in Biosciences-2016 (ICRTB-2016)	07th - 09th Apr, 2016
13.	Convener	8th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2016)	16th - 19th Feb, 2016
14.	Convener	World Habitat Day Celebration	15th Oct, 2015
15.	Organizing Secretary	7th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2015)	24th - 27th Feb, 2015
16.	Convener	World Creativity Day celebration	21st Apr, 2014
17.	Convener	6th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2014)	18th - 21st Feb, 2014
18.	Convener	5th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2013)	19th - 22nd Feb, 2013
19.	Convener	4th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2012)	20th - 23rd Feb, 2012
20.	Convener	Nation Youth Day celebration	12th Jan, 2012
21.	Convener	World Water Day celebration	22nd Mar, 2011
22.	Organizing Secretary	3rd National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2010)	20th - 22nd Dec, 2010

DETAILS OF PATENT, IMPACT FACTOR, CITATIONS and H-INDEX and

Patent	:	**3**
Cumulative Impact Factor	:	**972.38**
H-index	:	**36**

i10 index	:	**121**
Total Citations	**:**	**5082**

PATENT - 3

S.No.	Title of Patent / Tech.Transfer / Product / Process	Author(s)	Patent No.	Date	Status (Filed/ Published / Granted)
1.	A Process of Extraction of Copper Oxide Nanoparticles Using Green Synthesis	Dr. A. Sivaranjini, Dr. R. Subashkumar, Dr. P. Boomi, Dr. S. Santhosh Baboo, Dr. B. L Shivakumar, A. Aswini, **Dr. J. Jeyakanthan,** Dr. H. Gurumallesh Prabhu, Dr. P. Sagadevan	202141049992	Dec, 2021	Published
2.	Synergistic formulation for preventing antibiotic resistance effect of *serratia marcescens*	Dr.Dhamodharan prabhu, Dr.Sundarraj rajamanikandan, Ramasamy palaniappan, **Dr. Jeyaraman Jeyakanthan**	202241057508 A	Dec, 2022	Published
3.	Phytochemical Composition against Vancomycin-resistant *Enterococcus faecium*.	Dr. Ahila Mathimaran, **Dr. Jeyakanthan Jeyaraman**, Mrs. Priyanka Sappanimuthu, Dr. Amala Mathimaran, Mr. Maharaja Muthuvairam Subbulakshmi	202541026352	Mar, 2025	Filed

RESEARCH PUBLICATIONS IN SCIENTIFIC JOURNALS

Total number of papers published: 279

S. No	Author details and Title of Paper	Journal, Issue No. and Page, etc	Impact Factor	Citations
279	Manikandan Jayaraman, Maharaja Muthuvairam Subbulakshmi, Shashlinah Nathar, Prabhu Dhamodharan, Rajavarman Vijayarangan, **Jeyakanthan Jeyaraman** Structural insights into the binding potential of natural therapeutic leads as antiviral agents against human Metapneumovirus nucleoprotein	SAR and QSAR in Environmental Research (2026)	2.8	Nil

278	Maharaja Muthuvairam Subbulakshmi, Manikandan Jayaraman, Prabhu Dhamodharan **Jeyakanthan Jeyaraman,** Functional Annotation Identifies 3-Oxoacyl Synthase III as a Druggable Target in Nocardia asteroides FDAARGOS1485: A Multi-Tier Structure-Guided Computational Discovery of Marine-Derived Therapeutic Leads	Applied Biochemistry and Biotechnology (2026)	3.5	Nil
277	Uddesh Ramesh Wanjari, Anirban Goutam Mukherjee, Manikandan Jayaraman, Dhamodharan Prabhu, **Jeyakanthan J,** Bhairav Chandroday Mataghare Deciphering the multitarget protective mechanisms of melatonin in cadmium-induced male reproductive toxicity via a computational approach	Reproductive Toxicology (2026)	3.4	Nil
276	Heyram Krishnakumar, Manikandan Jayaraman, Dhamodharan Prabhu, Maharaja Muthuvairam Subbulakshmi, Chun-Jung Chen, **Jeyaraman Jeyakanthan**. A Computational Framework for Evaluating the Antidiabetic Potential of Medicinal Plant-Derived Natural Products as Glucokinase Activators (GCKAs) for Type 2 Diabetes Mellitus (T2DM)	Journal of the Chinese Chemical Society (2026)	2.0	Nil
275	Harshini Senthilkumar, Eshwar Vijaikumar, **Jeyakanthan Jeyaraman**, Mohanapriya Arumugam Integrative Bioinformatics and DGIdb-Based ROC Analysis Identify Key Genes and Drug Targets in Polycystic Ovary Syndrome	In Silico Research in Biomedicine, 100488 (2026)	-	Nil
274	Santhiya Panchalingam, Manikandan Jayaraman, **Jeyakanthan J**, Govindaraju Kasivelu Phytochemical Modulation of Inflammatory and Oxidative Pathways in Rheumatoid Arthritis: Insights from Multi-Omics and Machine Learning	In Silico Research in Biomedicine, 100438 (2026)	-	Nil
273	Gopalakrishnan Shankari, Dhamodharan Prabhu, Muthusamy Sureshan **Jeyakanthan J**, Sundararaj Rajamanikandan Computational repurposing of drug molecules against Chandipura virus nucleocapsid N protein	Chemical Papers (2026)	2.5	Nil
272	Decoding PCOS pathogenesis: deleterious mutations in PEPD and ZNF572 uncovered by transcriptomics and molecular dynamics Harshini Senthilkumar, Tamil Barathi Palanisamy, **Jeyakanthan Jeyaraman**, Chun-Jung Chen & Mohanapriya Arumugam	Network Modeling Analysis in Health Informatics and Bioinformatics 15,117 (2026)	2.0	Nil
271	Pradeep Kumar Sriram, Manikandan Jayaraman, Maharaja Muthuvairam Subbulakshmi, Shaslinah Nathar, Dhamodharan Prabhu, **Jeyakanthan Jeyaraman** Subtractive proteomics-driven identification of AgrA and structure-guided discovery of phytochemical and marine natural products as novel anti-quorum sensing therapeutic leads against *Enterococcus faecium*	Molecular Diversity (2026)	3.8	Nil
270	Pradeep Kumar Sriram, Manikandan Jayaraman, Prabu Dhamodharan, Maharaja Muthuvairam Subbulakshmi, **Jeyakanthan Jeyaraman,** Multi-Tier Virtual Screening Driven Discovery of Marine Natural Products as Potential DltA Inhibitors in Drug-Resistant Enterococcus faecium	Journal of Pharmaceurical Innovation 21(393) (2026)	2.7	Nil

269	Maharaja Muthuvairam Subbulakshmi, Manikandan Jayaraman, **Jeyakanthan Jeyaraman,** Advancing digital mental healthcare: the role of artificial intelligence and natural language processing in powering medical chatbots for future healthcare interventions	Expert Review of Medical Devices 1-13 (2026)	2.8	Nil
268	Veena Radhakrishnan, Lalitha Prajna, Bharanidharan Devarajan, **Jeyakanthan Jeyaraman,** Whole-genome sequencing and analysis of Nocardia veterana isolates from keratitis patients	Molecular Genetics and Genomics 301,76 (2026)	2.1	Nil
267	Shanthini Karuppiah, Manikandan Jayaraman, Maharaja Muthuvairam Subbulakshmi, **Jeyakanthan Jeyaraman,** Komalavalli Narayanaswamy Structure-Guided Discovery of Phytochemical Leads Targeting the Glucocorticoid Receptor (NR3C1) for Anti-Stress Activity: Computational Insights from Multi-Tier Virtual Screening and Structural Dynamics	Journal of Pharmaceutical Innovation 21,251 (2026)	2.7	1
266	Maheswari Narthanareeswaran, Hemavathy Nagarajan, Sneha Subramaniyan, Bhuvaneswari Narthanareeswaran, Sampathkumar Ranganathan, **Jeyakanthan Jeyaraman,** Probing the conserved catalytic mechanism of ThiL protein in pathogenic Leptospira species: An in silico strategy for inhibitor discovery to combat leptospirosis	Computers in Biology and Medicine 111540 (2026)	-	Nil
265	Maharaja Muthuvairam Subbulakshmi, Manikandan Jayaraman, Prabhu Dhamodharan, **Jeyakanthan Jeyaraman,** Structural and functional insights into glycosyltransferase from Nocardia asteroides NCTC11293 and structure-guided discovery of marine and phytochemical leads through pharmacokinetic screening and molecular dynamics studies	Journal of Molecular Graphics and Modelling 144, 109317 (2026)	3.1	5
264	Richard Mariadasse, Mohammed Ahmad, Ravi Kant Pal, Kohila Gurunathan, Sneha Subramaniyan, Bichitra K Biswal, Suresh Kumar Muthuvel, Stalin Thambusamy, **Jeyakanthan Jeyaraman** Crystal structure of PH0140: Exogenous Amino Acids Induce Open Octameric Assembly Enables PromoterTTTT Binding for Transcription Regulation	Journal of Molecular Biology 169664 (2026)	4.5	Nil
263	Sangavi Pandi, Hemavathy Nagarajan, Sneha Subramaniyan, **Jeyakanthan Jeyaraman**, Sampathkumar Ranganathan, Langeswaran Kulanthaivel Targeting hORAI1-Mediated Calcium Influx in Triple-Negative Breast Cancer: A Computational Drug Discovery Approach	The Journal of Membrane Biology 259, 1 (2026)	2.9	Nil
262	Manikandan Jayaraman, Vijayakumar Gosu, Maharaja Muthuvairam Subbulakshmi, Rajalakshmi Kumar, Donghyun Shin, **Jeyaraman Jeyakanthan** Investigating Marine Natural Products as Potential Antivirals of Mpox Virus Replication by Targeting Thymidylate Kinase	ACS Omega (2026)	4.3	Nil
261	Yu-Hung Chen, Yen-Chieh Huang, R Guru Raj Rao, Hao-Chin Chang, Yu-Hsuan Lan, Atsushi Nakagawa, **Jeyakanthan Jeyaraman**, Chun-Jung Chen Structural insights into substrate binding, domain swapping and heat resistance of a hyperthermostable archaeal AIR synthetase	International Journal of Biological Macromolecules Volume 344, Part 1, 150493 (2026)	8.5	Nil

260	Santhiya Panchalingam, Govindaraju Kasivelu, Manikandan Jayaraman, **Jeyakanthan Jeyaraman** Machine learning guided structural dynamics identifies translation elongation factor 1 (EEF1A1) as an immunological biomarker and marine natural products as therapeutic leads for rheumatoid arthritis with major depressive disorder	Computers in Biology and Medicine 203, 11480 (2026)	-	Nil
259	Ponnuchamy Kumar, Gunasowmiya Velsamy, Velu Manikandan, Duraisamy Elango, Sundarraj Manikandan, **Jeyakanthan Jeyaraman** Biogenic Synthesis of Blue Luminescent Carbon Quantum Dots From *Gymnema sylvestre* for Anticancer Studies	ChemistrySelect 11, no. 1 (2026)	2.0	Nil
258	Targeting TetR-family transcription regulators for combating tetracycline resistance in resilient *Acinetobacter baumannii*: in silico identification of potent inhibitors Karthika Alagesan, Hemavathy Nagarajan, Balajee Ramachandran, Umashankar Vetrivel, Chitra Jeyaraj Pandian, **Jeyakanthan Jeyaraman**	Journal of Biomolecular Structure and Dynamics 44,4 (2025)	2.4	4
257	Nagarajan Hemavathy, Sampathkumar Ranganathan, Vetrivel Umashankar, **Jeyakanthan J** Rational design and structural Bioinformatics-Driven discovery of tetrapeptide inhibitors for LIMK-Targeted cancer therapy	Medical Oncology 43, 2, 83 (2025)	3.5	Nil
256	Gopalakrishnan Shankari, Dhamodharan Prabhu, Muthusamy Sureshan, **Jeyakanthan J**, Sundararaj Rajamanikandan A Review of ARID1A's Role in Breast Cancer Progression: Context-Dependent Mechanisms and Therapeutic Implications	Cancers 18, 1, 142 (2025)	4.4	Nil
255	Janaranjani Murugesan, Hemamalini Vedagiri, Premkumar Kumpati, **Jeyakanthan J,** Network pharmacology analysis of Simarouba glauca bioactive molecules reveals potential therapeutic targets and mechanistic insights into cancer	Natural Products 10, 100475 (2025)	-	Nil
254	M Muthuvairam Subbulakshmi, H Nagarajan, S Pandi, S Subramaniyan, T Berchmans, **Jeyakanthan J**, Computational identification of potential PAK1 inhibitors for anti-cancer therapy: an e-pharmacophore guided virtual screening study	SAR and QSAR in Environmental Research (P:1-28), (2025)	2.8	3
253	Zeeshan Hyderi, Hemavathy Nagarajan, Kiruthika Saravanan, Sathiyaraj Ganesan, **Jeyakanthan Jeyaraman**, Sampathkumar Ranganathan, Arumugam Veera Ravi Inhibition of MMP-2/MMP-9 and biofilm formation by 4, 5, 7-trihydroxyflavanone (THF): a promising therapeutic approach against Enterococcus gallinarum endocarditis	Archives of Microbiology 208 (1) P-36 (2025)	2.8	Nil
252	Manikandan Jayaraman, Vijayakumar Gosu, Maharaja Muthuvairam Subbulakshmi, Jeong Woong Park, **Jeyakanthan Jeyaraman**, Donghyun Shin. Binding modes and interaction mechanism of bisphenol A and its analogs in constitutive androstane receptor	Scientific Reports (2025)	3.9	4
251	Mariadasse Richard, Sneha Subramaniyan, Hemavathy Nagarajan, Sanjay Kumar Choubey, Mohini Singla, Bichitra K Biswal, **Jeyakanthan J**, Targeting Catalytic Residues of TKTL1: A Multi-Approach Study With Thiamine Analogs Combining QSAR, Pharmacophore Modeling, DFT, and Molecular Dynamics	Chemistry Select (10, 46), (2025)	2.3	Nil

250	Shaslinah Nathar, Hemavathy Nagarajan, Bhuvaneswari Narthanareeswaran, Chitra Jeyaraj Pandian, Berchmans Thiyonila, **Jeyakanthan J**, In silico identification of novel alpha/beta hydrolase fold domain-containing protein associated with virulence and antibiotic resistance in Nocardia farcinica (Strain: JJSBBCNF_01)	Molecular Diversity (2025)	3.8	Nil
249	Zeeshan Hyderi, Hemavathy Nagarajan, Kiruthika Saravanan, Sathiyaraj Ganesan, **Jeyakanthan J**, Sampathkumar Ranganathan, Arumugam Veera Ravi Inhibition of MMP-2/MMP-9 and biofilm formation by 4, 5, 7-trihydroxyflavanone (THF): a promising therapeutic approach against Enterococcus gallinarum endocarditis	Archives of Microbiology, 208, (36) (2025)	2.6	Nil
248	Nagarajan Hemavathy, Sneha Subramaniyan, Saritha Poopandi, Sampathkumar Ranganathan, Vetrivel Umashankar, **Jeyakanthan J** Structure-Guided Design of Isoform-Selective LIMK1 Inhibitors: A Peptidomimetic Screening Approach with Molecular Dynamics and Quantum Mechanical Characterization	Journal of Computational Biophysics and Chemistry (2650032) (2025)	2.3	Nil
247	Maharaja M S, Sneha S, Hemavathy N, **Jeyakanthan J** Computational Identification of FDA-Approved Drugs as Potential BMX Inhibitors: An Integrated Virtual Screening, Pharmacokinetics and Molecular Dynamics Study	Chemistry Select (10, 41)	2.3	3
246	Raji Rajmichael, Nagarajan Hemavathy, Sangavi Pandi, Saritha Poopandi, mashankar Vetrivel **J. Jeyakanthan** Unraveling the Bifunctional HisIE Enzyme in Acinetobacter baumannii JJAB01: A Novel Therapeutic Target for Combating Antimicrobial Resistance	Journal of Pthology, Microbiology and Immunology (133,10) (2025)	2.6	Nil
245	Heyram Krishnakumar, Saranya nallusamy, Raji Rajmaichael, Ahila Mathimaran, Chitra Jeyaraj Pandian, GomathinayagamSubramaniyan **J.Jeyakanthan** Transcri ptomic profiling to investigate the therapeutic potential and medicinal properties of Momordica cymbalaria.	Scientific Reports, 33882 (2025)	3.9	Nil
244	Heyram Krishnakumar, manikandan Jayaraman, Prabhu Dhamodharan, **J. Jeyakanthan** Structure-guided discovery of marine natural products as glucokinase activators for type 2 diabetes mellitus: A computational perspective	Journal of Molecular Graphics and Modelling, (142, 109181), (2025)	3.0	Nil
243	Bhuvaneswari Narthanareeswaran, Nagarajan Hemavathy, Sampathkumar Ranganathan, Shaslinah Nathar, Chitra Jeyaraj Pandian **J. Jeyakanthan** Integrative genomics and structural bioinformatics uncovers AMR-associated drug targets and pqsH inhibitors in multidrug-resistant Pseudomonas aeruginosa JJPA01	Molecular Diversity (2025)	3.8	Nil
242	D. Prabhu, M. Sureshan, S. Rajamanikandan, **J. Jeyakanthan** Harnessing the potential of phytochemicals to design anti-filarial molecules targeting the MurE enzyme of Brugia malayi: a hierarchical virtual screening and molecular dynamics simulation study	SAR and QSAR (753-773), (2025)	2.4	Nil
241	Bhuvaneswari Narthanareeswaran, Maheswari Narthanareeswaran, Sampathkumar Ranganathan, Chitra Jeyaraj Pandian, **Jeyakanthan, J.,** Exploration of hypothetical proteins and reverse vaccinology approach for novel multi-epitope vaccine design against multidrug-	Computers in Biology and Medicine, 197, 111045. (2025)	6.3	Nil

	resistant clinical isolate Pseudomonas aeruginosa JJPA01			
240	Sneha Subramaniyan, Hemavathy Nagarajan, Richard Mariadasse, Umashankar Vetrivel, **Jeyakanthan, J.,** Strategic targeting of AckA in Mycobacterium tuberculosis using peptide inhibitors	Archives of Microbiology, 207, 235 (2025)	2.6	Nil
239	Sankar Muthumanickam, Murugesan Manikandan, Boomi Pandi, Balajee Ramachandran, Sonamuthu Jegatheswaran,Mangaiyarkarasi Rajkumar, **Jeyakanthan Jeyaraman.,** In Silico Design and Evaluation of a Hydrophobic-Hydrophilic Combinatorial Drug Systems for Targeted Breast Cancer Therapy	Biochemical and Biophysical Research Communications, 781, 152499 (2025)	2.2	Nil
238	Shaslinah N., Hemavathy N., Bhuvaneswari N., Sneha S., and **Jeyakanthan, J.,** Integrated Subtractive Genomics and Inhibitor Identification of Novel FAD-dependent Monooxygenase in Nocardia farcinica JJSBBCNF_01	Biochemical and Biophysical Research Communications, 781, 152502 (2025)	2.2	Nil
237	Maharaja, M S., Manikandan, J., Hemavathy, N., Pradeep Kumar, S., and **Jeyakanthan, J.,** In-silico structural and functional annotation of hypothetical proteins from Nocardia asteroides NCTC11293: A computational approach for novel drug target identification and therapeutic development	Computers in Biology and Medicine, 196, 110936. (2025)	6.3	10
236	Perinbaraj, S., Jayaraman, M., **Jeyaraman, J**., & Girija, K. R. (2025). Designing Novel Potent Oxindole Derivatives as VEGFR2 Inhibitors for Cancer Therapy: Computational Insights from Molecular Docking, Drug-likeness, DFT, and Structural Dynamics Studies. Journal of Molecular Graphics and Modelling, 109049**.**	J. Mol. Graph. Model, 109049	2.7	Nil
235	Alagesan, K., Nagarajan, H., Mathimaran, A., Vetrivel, U., Malaisamy, V., Chen, C. J., & **Jeyaraman, J**. (2025). A Promising Strategy to Disrupt Plasmodium falciparum Metabolic Resilience by Targeting G6PD: Virtual Screening for Potential Inhibitors Against Malaria. *Computational Biology and Chemistry*, 108495.	*Comput. Biol. Chem.* 108495. (2025).	2.6	Nil
234	Muthumanickam, S., Ramachandran, B., **Jeyakanthan, J**., Jegatheswaran, S., & Pandi, B. (2025). Designing a novel drug–drug conjugate as a prodrug for breast cancer therapy: in silico insights.	*Molecular Diversity*, *29*(2), 991-1007.	3.8	1
233	Jayaraman, M., Gosu, V., Kumar, R., **Jeyaraman, J**., Lee, H. K., & Shin, D. (2025). Exploring Marine natural products as potential Quorum sensing inhibitors by targeting the PqsR in Pseudomonas aeruginosa: Virtual screening assisted structural dynamics study.	*PloS one*, *20*(3), e0319352	2.9	Nil
232	Subramaniyan, S., Jayaraman, M., & **Jeyaraman, J**. (2025). Exploring Phytochemicals and Marine Natural Products as Alternative Therapeutic Agents Targeting Phosphotransacetylase (PTA) in Mycobacterium tuberculosis: An Underexplored Drug Target.	J. Mol. Graph. Model, 109025	2.7	Nil
231	Gnanavelou, R., Jayaraman, M., **Jeyaraman, J**., & Girija, K. R. (2025). Computational Design and Structural Insights into Quinazoline-Based Lead Molecules for Targeting PARP10 in Cancer Therapy.	J. Mol. Graph. Model, 109005	2.7	Nil

230	Hemavathy, N., Ranganathan, S., Umashankar, V., & **Jeyakanthan, J**. (2025). Computational Development of Allosteric Peptide Inhibitors Targeting LIM Kinases as a Novel Therapeutic Intervention.	Cell Biochem. Biophys, 1-13	1.8	Nil
229	Heyram, K., Manikandan, J., Prabhu, D., & **Jeyakanthan, J.** Computational insights into marine natural products as potential antidiabetic agents targeting the SIK2 protein kinase domain.	*SAR and QSAR in Env. Res.35*(12), 1129-1154. (2024).	2.3	Nil
228	Hemavathy, N., Umashankar, V., & **Jeyakanthan, J**. Unveiling novel type 1 inhibitors for targeting LIM kinase 2 (LIMK2) for cancer therapeutics: An integrative pharmacoinformatics approach.	*Comput. Bio. Chem*, *115*, 108289. (2025)	2.6	Nil
227	Shankari, G., Raji, R., Prabhu, D., **Jeyakanthan, J.,** & Gopinath, S. C. Progressive Dynamics of Cancer Stem Cells in Oral Squamous Cell Carcinoma.	*Curr. Cancer. Drug Targets*, *25*(2), 113-117. (2025).	2.91	Nil
226	Rajmichael, R., Hemavathy, N., Mathimaran, A., Pandian, C. J., Kingsley, J. D., Subramanian, G., &**Jeyakanthan, J.** Whole Genome Sequencing, Characterization and Comparative Genome Analysis of Acinetobacter baumannii JJAB01: A Comprehensive Insights on Antimicrobial Resistance and Virulence Genotype.	*Microb. Pathog*, 107224. (2024).	3.3	Nil
225	Sangavi, P., Nagarajan, H., Subramaniyan, S., **Jeyaraman, J.,** & Langeswaran, K.. Unveiling the oncological inhibition of bioactive compounds from Adansonia digitata via in silico analysis by targeting γ-butyrobetaine dioxygenase 1 against triple negative breast cancer.	*J. Biomol. Struct. Dyn.* 1-24. (2024)	2.7	Nil
224	Nagarajan. H., Samdani, A., Umashankar, V., **Jeyakanthan, J.** Deciphering the conformational transitions of LIMK2 active and inactive states to ponder specific druggable states through microsecond scale molecular dynamics simulation.	*J Comput Aided Mol Des.* 6(6):459-482. (2022)	4.17	1
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11.	Jesucastin Edward, Karthik Sundarsha, **J. Jeyakanthan**, A. Sherlin Rosita, Daniel A. Gideon. Efficacy of synthetic organic molecular inhibitors of TRAF2 and NCK interacting kinase (TNIK) against colorectal cancer	Springer Nature, Singapore 2022
12.	**Jeyaraman Jeyakanthan**, Chitra Jeyraj Pandian, Jeba Mercy Jeayseelan, Sundarraj Rajamanikandan, Dhamodharan prabhu, Ravi Guru Raj Rao, Mutharasappan Nachiappan. An integrative approach to explore potent therapeutic protein targets in multidrug resistant nosocomaial pathogen *Acinetobacter baumannii.* Therapeutic protein targets for drug dicovery and clinical evalution: Bio-crystallography and drug design.	World scientific, 2022
13.	Chitra Jeyraj Pandian, Rajendren Sironmani, **Jeyakanthan Jeyaraman,** Gopal Samy Balakrishnan. Development in Waste Water Treatment Research and Processes. Application of dairy sludge derived products for removal of pollutants from the insustrial effluents: A way to sustainable disposal.	Elsevier, Netherlands 2022

14.	Chitra J and **Jeyakanthan J.** Implications of Immuno-oncology in Immunodiagnostics and Immunotherapy. ISBN: 978-93-5528-175-3.	MJP Publication 2023
15.	Nagarajan, H., Ranganathan, S., **Jeyaraman, J.,** & Chitipothu, S. Antimicrobial Peptides and Antibacterial Antibodies for the Elimination of ESKAPE Pathogens. In ESKAPE Pathogens: Detection, Mechanisms and Treatment Strategies (pp. 435-462).	Springer Nature Singapore 2024
16.	Pandian, C. J., Rajendren, S. M., & **Jeyaraman, J.** Probiogenomics and Genome Annotation in Bifidobacteria and Lactobacilli. In *Industrial Microbiology and Biotechnology: An Insight into Current Trends* (pp. 465-491).	Singapore: Springer Nature Singapore 2024
17.	Maharaja M. S, Pradeep Kumar. S, **Jeyakanthan** J & Gamathinayagam S Optimizing Smart Hospitals with IoMT A Deep Dive into the Next-Generation Paradigm for Digital Healthcare. Internet of Medical Things. Page No: 15-25, eBook ISBN: 9781003476344	Taylor & Francis Group 2025
18.	Maharaja Muthuvairam Subbulakshmi, Manikandan Jayaraman, **Jeyakanthan Jeyaraman** Transforming gastrointestinal tract cancer with applications and advancements of artificial intelligence and machine learning: A next-generation patient care. Artificial Intelligence in Gastrointestinal Cancers. Page No: 193-208, eBook ISBN: 978-0-443-44121-9	Elsevier Publications 2026
19.	Sneha Subramaniyan, Karthika Alagesan, Raji Rajmichael, Veerapandiyan Malaisamy and **Jeyaraman Jeyakanthan** Innovative Approaches in Drug Discovery: Target Identification, Computational Strategies, and Emerging Trends in ML and AI Integration. Natural Language Processing in Healthcare Informatics: Challenges and Future Directions Page No: 169-197 (29), eBook ISBN: 979-8-89881-492-2, 2026	Bentham Publications 2026
20.	Maharaja Muthuvairam Subbulakshmi, Manikandan Jayaraman, Pradeep Kumar Sriram and **Jeyaraman Jeyakanthan** Revolutionizing Mental Health Care with AI-Driven NLP Chatbots: Innovations, Applications, and Future Directions. Natural Language Processing in Healthcare Informatics: Challenges and Future Directions Page No: 257-268 (12), eBook ISBN: 979-8-89881-492-2, 2026	Bentham Publications 2026

GENBANK DEPOSITIONS – 26

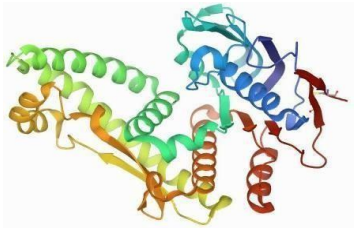
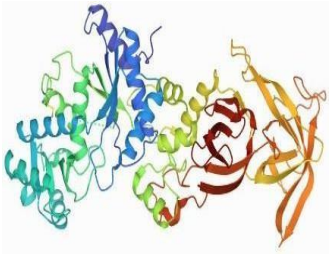
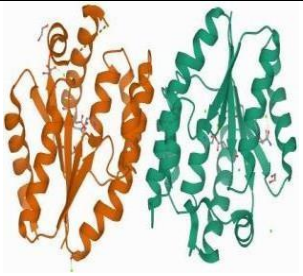
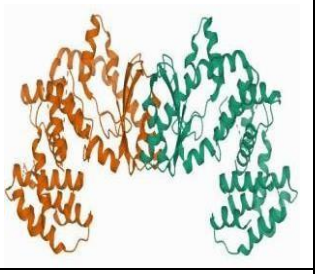
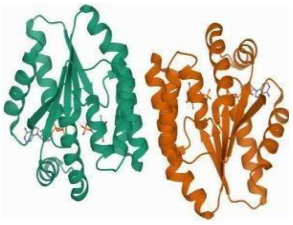
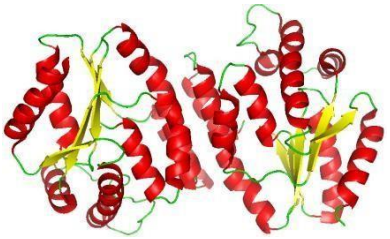
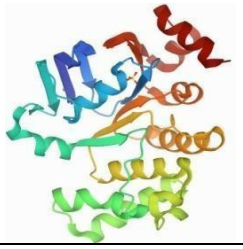
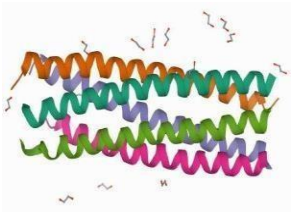
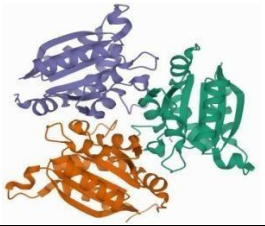
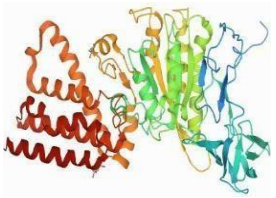
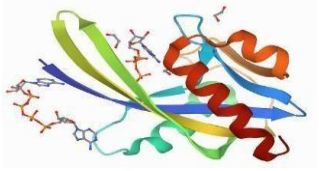
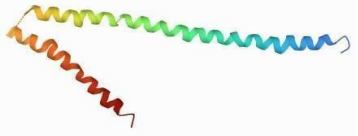
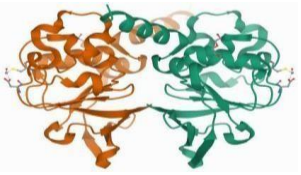
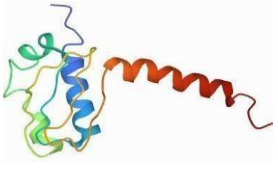
S. No	Accession No.	Details
1.	MN749550.1	*Staphylococcus aureus* strain U190175 16S ribosomal RNA gene, partial sequence
2.	MN749549.1	*Staphylococcus aureus* strain U190172 16S ribosomal RNA gene, partial sequence
3.	MN749548.1	*Shewanella putrefaciens* strain B190208 16S ribosomal RNA gene, partial sequence

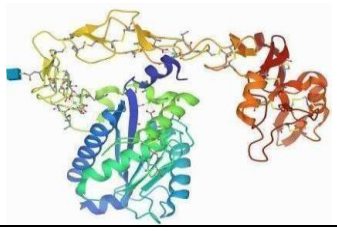
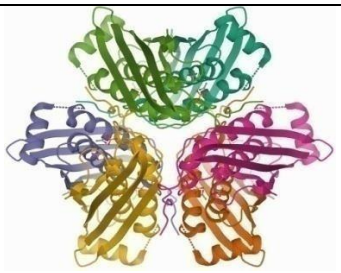
4.	MN749541.1	*Proteus vulgaris* strain P190036 16S ribosomal RNA gene, partial sequence
5.	MN749537.1	*Staphylococcus aureus* strain P190067 16S ribosomal RNA gene, partial sequence
6.	MN749534.1	*Staphylococcus aureus* strain O190017 16S ribosomal RNA gene, partial sequence
7.	MN749533.1	*Enterococcus faecalis* strain P190052 16S ribosomal RNA gene, partial sequence
8.	MN749520.1	*Enterococcus faecalis* strain P190052 16S ribosomal RNA gene, partial sequence
9.	MN749519.1	*Acinetobacter baumannii* strain O190037 16S ribosomal RNA gene, partial sequence
10.	MN744697.1	*Morganella morganii* strain ab1 16S ribosomal RNA gene, partial sequence
11.	MN749522.1	*Citrobacter freundii* strain U190042 16S ribosomal RNA gene, partial sequence
12.	MK820067.1	*Impatiens leschenaultii* voucher ALUH_18 maturase K (matK) gene, partial cds; chloroplast
13.	MK820068.1	*Impatiens leschenaultii* voucher ALUH_18 ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit (rbcL) gene, partial cds; chloroplast
14.	MK759659.1	*Drosera indica* voucher ALUH_17 ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit gene, partial cds; chloroplast
15.	MK759658.1	*Drosera burmannii* voucher ALUH_16 ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit gene, partial cds; chloroplast
16.	MT262990.1	*Shigella sonnei* strain O190087 16S ribosomal RNA gene, partial sequence
17.	MT262927.1	*Mycolicibacterium senegalense* strain P190172 16S ribosomal RNA gene, partial sequence
18.	MT261888.1	*Klebsiella sp.* strain P190051 16S ribosomal RNA gene, partial sequence
19.	MT261871.1	*Enterococcus faecalis* strain P190052 16S ribosomal RNA gene, partial sequence
20.	KX022944.1	*Coprinus sterquilinus* isolate JJAA3 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence
21.	KX022943.1	*Psathyrella candolleana* isolate JJAA2 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence
22.	KX022942.1	*Psathyrella candolleana* isolate JJAA1 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence
23.	FJ804147.1	*Candida tropicalis* NAD(P)H-dependent xylose reductase (xyl1) gene, complete cds
24.	JJSBBCNF_01	*Nocardia farcinica* JJSBBCNF_0, Whole genome sequence

25.	GCA_027920125.1	*Acinetobacter baumannii* JJAB01, Whole genome sequence
26.	GCF_027891115.1	*Pseudomonas aeruginosa* JJPA01, Whole genome sequence

PROTEIN DATA BANK CONTRIBUTIONS (PDB's) - More than 153 structures

Protein Data Bank ID: 5ZDK, 5ZDL, 5ZDH ..... etc.,
(**http://www.rcsb.org/pdb/home/home.do**)

			
IJBIOMAC, 2020 PDB ID - 5ZWU	**IJBIOMAC, 2019 PDB ID - 5ZDO**	**Acta D, 2018 PDB ID - 5XT8**	**FEBS Lett, 2017 PDB ID - 4S35**
			
FEBS J, 2017 PDB ID - 2PBR	**J. Str. Bio, 2017 PDB ID - 2PLR**	**J. Str. Bio, 2015 PDB ID - 4O7N**	**J. Str. Bio, 2015 PDB ID - 4UOO**
			
IJBIOMAC, 2013 PDB ID - 3U54	**Acta D, 2012 PDB ID - 3MIW**	**Acta F, 2011 PDB ID - 3MCH**	**JMB 2011 PDB ID - 3P20**
			
Acta D, 2010 PDB ID - 3I7U	**Plos, 2010 PDB ID - 3HGF**	**Biochemistry, 2010 PDB ID - 2PKP**	**J. Bioe. Biom, 2010 PDB ID - 3LG8**

			
J. Str. Bio, 2010 PDB ID - 3K7l	**Acta D, 2010 PDB ID - 3JQJ**	**J. Bact., 2009 PDB ID - 3GYX**	**PNAS, 2008 PDB ID - 2Z1O**

JOURNAL EDITOR/EDITORIAL MEMBER/ REVIEWER

EDITOR/EDITORIAL MEMBER	
PloS ONE	Current Bioinformatics
Frontiers in Physiology	Frontiers in Molecular Biosciences
Frontiers in Physics	Frontiers in Genetics
Combinatorial Chemistry & High Throughput Screening	
REVIEWER	
Acta Crystallographica Sections	ACS Omega
Computational Biology and Chemistry	Gene
Indian Journal of Biochemistry & Biophysics	International Journal of Bioinformatics Research
International Journal of Bioinformatics Research and Applications	Interdisciplinary Sciences
Journal of Molecular Graphics and Modelling	Journal of Biomolecular Structure & Dynamics
Letters in Drug Design & Discovery	Microbial Pathogenesis
Molecular BioSystems	Molecular Biology Reports
Medicinal Chemistry Research	Progress in Biophysics and Molecular Biology, Etc

EXTERNAL THESIS EXAMNIER / EVALUATED – 59

S. No	Name of the candidate	Title	Degree Awarding Institution	Year
59.	Poorvi Vishwakarma	Structural and Functional Investigation of Glycoside Hydrolase	AIIMS, New Delhi	2026
58.	Chevula Kishan	DESIGN, SYNTHESIS, BIOLOGICAL AND COMPUTATIONAL EVALUATION OF PYRAZOLE TETHERED WITH TRIAZOLES, 4H-CHROMENE, 1,4-DIHYDROPYRIDINE,	Osmania University	2025

		THIAZOLIDINEDIONE AND RHODANINE		
57.	Menaka Priya B	Synergistic Effects of Chamaecostus cuspidatus Leaf Extract and p-Coumaric Acid on Endothelial Dysfunction in Type 2 Diabetes Induced by High-Fat Diet and Low-Dose Streptozotocin: An In-Silico, In-Vitro and InVivo Perspective	Vellore Institute of Technology (VIT), Vellore	2025
56	Adhish Mazumder	Investigating the role of taurine and vitamin b12 in ameliorating the effects of homocysteine-induced osteoporotic conditions using *in-silico* and *in-vitro* techniques	Vellore Institute of Technology (VIT), Vellore	2025
55.	Jyotilipsa Mohanty	Understanding the trafficking and inhibition mechanisms of plant viruses using *in silico* approaches with Sesbania Mosaic Virus as a model system	Pondicherry University	2025
54	Muralikrishna V	Synthesis, biological evaluation and molecular docking studies on novel heterocycles containing meldrum's acid -7-azaindole-1,2,3-triazoles, 7-azaindoleimidazole- 1,2,3-triazoles, pyrimidine-indole- 4*h*-chromenes and pyrimidine-indole-1,4-dihydropyridines	Osmania University	2025
53.	Patnam Nagesh	Molecular Modellling Studies, Synthesis and activity studies based on metabolic pathways for diabetes mellitus	Osmania University	2025
52.	Farah Naz	Structural and Functional Studies of FtsZ cell division protein as a potential drug target against *Salmonella Typhi*	AIIMS, New Delhi	2024
51	Anuja Jain	Gene Expression meta-analysis, lead generation and cellular specificity prediction for Toll like receptors	Jawaharlal Nehru University	2024
50	Satish Tiwari	Targeting an essential metabolic pathway of Mycobacterium tuberculosis to design new anti-TB compounds	National Institute for Immunology	2023
49.	Kimona Kisten	Strategic application of in silico drug discovery approaches to discover novel TB drugs	University of Kwazulu, Natal college of Health Sciences	2023
48	Suchitra Surendran	Computer assisted drug design for *Mycobacterium tuberculosis*	University of Kerala	2023
47	Koyyada praveena	Target identification and multi-target drug designing for *Mycobacterium tuberculosis* H37Rv active infection by Systems Biology approach	University of Hyderabad	2023
46	Mohammed Ahmad	Structural and biochemical studies of enolase from *Mycobacterium tuberculosis*	Jawaharlal Nehru University	2022

45	Rajdeep kaur	Computational studies of inhibitors against Aβ aggregation and β-secretase (BACE1) enzyme in Alzheimer's disease	Department of chemistry, Sri Guru Granth Sahib world university	2022
44	Sambit Dalui	Structural and Functional Characterization of Testis-specific Y encoded-like protein 5: a novel member of NAP histone chaperone superfamily	Jadavpur university	2022
43	Anirban Dasgupta	Molecular Characterization of human histone H2BK120 Ubiquitin Ligase UBR7	Jadavpur university	2022
42.	Indu	Structural and biochemical studies of a membrane protein Rv2903c from *Mycobacterium tuberculosis*	Jawaharlal Nehru University	2022
41.	Shobhan Kuila	Structural and functional studies of chloride intracellular ion channels	Jawaharlal Nehru University	2022
40.	Anirban Dasgupta	Molecular Characterization of human histone H2BK120 Ubiquitin Ligase UBR7	Jadavpur university	2022
39.	Suresh Palanivel	Evaluation of Cytotoxic Effects and Underlying Mechanisms of Phenolic Compounds on Breast Cancer Cell Lines	Tampere University Finland	2022
38.	M. Mathavan	Comprehensive analysis of Zaire ebolavirus-Human Interaction for Understanding of Disease Mechanism and Drug Re-purposing	Pondicherry University	2021
37.	K. Muthuvel Prasath	Development of novel structure based methods, online database and web servers to predict Superfamily for the Annotation of Twilight Zone Protein Sequences	Bharathidasan University	2021
36.	Anam Ashraf	Dissecting the mechanistic properties of HisI (Rv1606) and the dynamics of Histidine Biosynthesis Enzymes in *in-vivo* infection of *Mycobacterium tuberculosis*	National Institute of Immunology	2021
35.	M. K. Hema	Synthesis, Structural and Biological Studies of Metal-Oxygen Coordinated Complexes	University of Mysore	2020
34.	Rama Krishna Munnaluri	*In silico* strategies in developing new inhibitors against molecular targets in HIV and *Mycobacterium tuberculosis*	Osmania University	2019
33.	Dr. Vineet Mohan Samal	Biophysical Characterisation of ATP Sulfurylase protein from *Mycobacterium tuberculosis*	All India Institute of Medical Sciences	2019
32.	Ballu Srilata	Computer Aided Drug Design, Synthesis and Biological Evaluation of Anti-bacterial Agents against Wild and Resistant Strains of *Staphylococcus aureus*	Osmania University	2019
31.	K. N. Chethan Prathap	Crystal and Molecular Studies of Medicinally Important Heterocyclic Compounds	University of Mysore	2018

30.	S.Chandrasekar	Insights on binding mode of ruthenium based anticancer pro-drug like compound with serum albumin and "The catalyst of oxidative protein folding": A structural prospective	Pondicherry University	2018
29.	Satyaprakash Yadav	Structural and functional of Proliferating Cell Nuclear Antigen from *Leishmania donovani*	All India Institute of Medical Sciences	2018
28.	Ankita Pan	Structural and Functional Characterization of Flavivirus Non-Structural Protein3 (NS3) in solution and atomic and enzymatic insights of vancomycin resistant *Enterococcus faecalis* (V583) alkyl hydroperoxide subunit C	Nanyang Technological University	2018
27	P. Moorthi	Understanding key events involved in Age dependent Brain region specific alterations of alzheimer's diseaese proteins that influence neurodegeneration and dementia: Neuroprotective Role	Bharathidasan University	2018
26.	Arvind Kumar	Structural and Mechanistic Insights into Mycothiol disulfide reuctase, Mycoredoxin-1 and peroxiredoxin alkyl hydroperoxide subunit E of *M. tuberculosis*	Nanyang Technological University	2017
25	P. Perumal	Structural and Bioinformatics Characterization of Quorum Sensing Proteins from the outer membrane Enzymes of *S.typhi*	Bharathiyar University	2017
24.	V. Rajni Swamy	Structure investigation of some novel compounds	Madurai Kamaraj University	2017
23.	Nivedita Rai	Dynamics of multitasking DegP and the role of HpHtrA as a therapeutic target: A computational approach on HtrA family Proteins	Pondicherry University	2017
22.	M. Ajitha	Novel algorithms to predict the structure and functions of uncharacterised proteins	Kalasalingam University	2017
21.	Manish Kumar Thakur	Structural and Functional Studies on PTK6, A kinase involved in cancer	University of Mysore	2017
20.	Hiral Murawala	Evaluation of protein Expression pattern during vertebrate appendage regeneration	Maharaja Sayajirao, University of Baroda	2017
19.	T. Arun Kumar	Studies on Laccase production from Pseudomonas species and its application in degradation of azo enzymes	Sathyabama University	2017
18.	B. Sai Krishna	Insilico Drug design and synthesis of potential antimalarial agents	University college of science	2016
17.	Ms. Jemmy Christy. H	Immunoinformatics approach for the study of HIV-1 isolated from Indian population	Sathyabama University	2016
16.	B.R. Anitha	Crystal and molecular structure studies of some chalcone derivatives in medicinal interests	University of Mysore	2016

15.	Enock Kiage Oirere	Isolation, Structural characterization and Anticancer potential of Bioactive Compounds from Alipina purpurata: An Invitro and Insilco Approach	Karpagam University	2016
14.	Kotapati Kasi Viswanath	Molecular Cloning, Functional Analysis and Structural Prediction of Lipoxygenase from Eleusine coracana seedlings	Pondicherry University	2016
13.	Lavanya P	Investigations on the role of Non-Conventional Hydrogen bonds and its impact on stability and specificity of b-lactamases and Penicillin Binding Protein	Vellore Institute of Technology	2016
12.	Divyani Paul	Characterisation of p73 and Insilico based Drug Design for stabilization of p53 mutants	All India Institute of Medical Sciences	2016
11.	M. Kannan	Ovarian Cancer regulation by ID1 and ARHI Proteins: A structural Perspective	Pondicherry University	2015
10.	S. Kalaiselvi	Elucidating the plausible mechanism for the adriamycin induced lipotoxicity leading to type2 diabetes, cardiomyopathy, and reproductive toxicity: A remedy through Costus pictus supplementation	Bharathidasan University	2015
9.	P. Manoj Kumar	Structural understanding of Protein Function in relation to prophage protein yage	Madurai kamaraj University	2014
8.	K. Bhargavi	New cancer therapeutics- Inhibitors for novel BCl2 mitochondrial protein to initiate apoptosis	Osmania University	2013
7.	L. Yamini	Computer aided drug design and synthesis of DHFR inhibitors	Osmania University	2013
6.	A. Maheswari	*In-silico* assessment of interrelationship between protein folding and protein stability	Bharathidasan University	2013
5.	V. Bhavani Prasad	Computational Analysis of Claudin1 in different pathological conditions: A molecular dynamics approach	Vellore Institute of Technology	2013
4.	C. Rani	In-vitro evaluation and In-silico analysis of Novel Drug leads and targets from sponge associated marine bacteria	Bharathidasan University	2012
3.	C.S. Vinobha	Comparative Analysis on Large Hydrophobic Residues and Small Hydrophobic Residues in different organisms	Bharathidasan University	2012
2.	R. Sathish Kumar	Studies on the effect of isolated and characterised phytochemical compounds of Enicostemma Littorale Blume on the cancer target	Bharathiyar University	2011
1.	K. Ganesan	Structure based in-silico tool development for the annotation of twilight zone protein sequences	Bharathidasan University	2011

CONFERENCE PRESENTATIONS: 230

Presentation in International Level events: 110
Presentation in National Level events: 120

INAUGURAL/VALEDICTORY ADDRESS DELIVERED: 36

S. No	Title of Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Role	National / International
1.	Biochemistry Exhibition BYOKEM "X" BIT	Sri Saradha Niketan College for Women, Amaravathipudur	September 09, 2012	Inaugural Address	N
2.	Karpagam University Annual Research Congress KUARC-2014	Department of Biochemistry and Bioinformatics Karpagam University Coimbatore	5th December, 2014	Keynote Speaker	N
3.	National Seminar on Biocheminformatics	Department of Bioinformatics, Bharathiar University, Coimbatore	February 26th – 27th, 2016	Inaugural Address	N
4.	International Workshop on Data Science and Analytics	Department of Computer Science, Alagappa University, Karaikudi	27th September, 2016	Felicitation address	I
5.	National Workshop on Computational Analysis of Molecular Data	School of Bio Sciences and Technology, VIT University, Vellore	17th November, 2016	Keynote Address	N
6.	Winter Schools Organized by National Centre of Excellence (MHRD)	Thiagarajar College, Madurai	21st November, 2016	Inaugural Address	N
7.	Recent Trends in Microbiology (RTM'2016)	Department of Microbiology, Alagappa University, Karaikudi	20th – 21st December, 2016	Inaugural address	I

8.	Two – Day Workshop on ICT Based Innovative Teaching Methods in Business Studies	Department of Commerce and International Business & Higher Education Innovation Cell, Alagappa University, Karaikudi	24th January, 2017	Felicitation address	N
9.	One day Training Program on "LATEX" – A Mathematical Document Preparation Tool	Department of Mathematics &University Business Collaboration Centre, Alagappa University, Karaikudi	10th February, 2017	Special Address	N
10.	Awareness Program on First Aid and Basic Life Support	Alagappa University Health Care Centre & Alagappa University College of Physical Education, Alagappa University, Karaikudi	10th February, 2017	Felicitation address	N
11.	International Conference on Mathematical Modeling and Computational Methods in Science and Engineering	Ramanujan Centre for Higher Mathematics & Department of Mathematics, Alagappa University, Karaikudi	22nd February, 2017	Felicitation address	I
12.	Two-day Workshop on Career Prospects & Developments in Computer Science	University Business Collaboration Centre & Dept. of Computer Science, Alagappa University, Karaikudi	27th February, 2017	Felicitation address	N

13.	Business Oriented Hands-on Training on Analytical Instrumentation (HI-BOAT)	Dept. of Physics & Business Collaboration Centre & Consultancy Cell, Alagappa University, Karaikudi	2nd March, 2017	Felicitation address	N
14.	Two day training Programme on "Campus Interview Skills"	Equal Opportunity and Placement cell, Alagappa University, Karaikudi	2nd March, 2017	Felicitation address	N
15.	Three Days Zonal Level Orientation Training Programme for YRC Volunteers and YRC Programme Officers	Alagappa University & Alagappa Chettiar College of Engineering and Technology	22nd March, 2017	Felicitation address	N
16.	National Conference on Futuristic Materials (NCFM-2017)	Department of Physics, Alagappa University, Karaikudi	27th March, 2017	Felicitation address	N
17.	Three Days Zonal Level Orientation Training Programme for YRC Volunteers and YRC Programme Officers	Youth Red Cross, Alagappa University & Alagappa Chettiar College of Engineering and Technology, Karaikudi	22nd March, 2017	Valedictory address	N
18.	Two-day training Programme on Campus Interview Skills	Equal Opportunity and Placement cell, Alagappa University, Karaikudi	02nd March, 2017	Felicitation address	N
19.	Business Oriented Hands-on Training on Analytical Instrumentation (HI-BOAT)	Dept. of Physics & Business Collaboration Centre & Consultancy Cell, Alagappa University, Karaikudi	02nd March, 2017	Felicitation address	N

20.	Two-day Workshop on Career Prospects & Developments in Computer Science	University Business Collaboration Centre & Dept. of Computer Science, Alagappa University, Karaikudi	27th February, 2017	Felicitation address	N
21.	UGC Sponsored One Day Orientation Programme on "Know Your Rights – Empower Yourself"	Department of History and Alagappa Institute of Skill Development, Alagappa University, Karaikudi	13th September, 2017	Valedictory address	N
22.	National Theme on University – Industry Interface 2017 (NTM U2I-2017)	Industry and Consultancy Cell & Department of Physics	20th September, 2017	Felicitation address	N
23.	World Animal Day Celebration	Department of Animal Health and Management	4th October, 2017	Thematic address	N
24.	Four Days National Workshop Cum Short Term Training Programme on Cultivation of Mushroom and Business Commercialization	Department of Botany and University Business Collaboration Centre	8th January, 2018	Felicitation address	N
25.	Arise Youth Empowerment Programme	National Service Scheme and Swami Vivekananda Centre for Higher Research and Education & Heartfulness Institute, Chennai (Karaikudi Centre)	12th January, 2018	Inaugural address	N
26.	2nd International Conference on Recent Trends in Microbiology (RTM - 2018)	Department of Microbiology, Alagappa University	12th January, 2018	Valedictory address	I

27.	Two-day orientation programme on Marketing Strategies for Business Excellence (MSBE-2018)	Department of Commerce and University Business Collaboration Centre	09th February, 2018	Felicitation address	N
28.	National Trends in Skill Informatics (NCRTI - 2018)	Alagappa Institute of Skill Development	20th March, 2018	Valedictory address	N
29.	National Conference on Conservation and Sustainable Development of Marine Resources (CASDOMAR – 2018	School of Marine Sciences, Department of Oceanography & Coastal Area Studies	22nd March, 2018	Inaugural address	N
30.	Idhayam Merit Excellence Awards-2018	Rotary Club of Karaikudi and Rotary Club of Virudhunagar	24th July, 2018	Motivational Address	N
31.	Inauguration of Life Science Association Bio Cogniza 2K18 &Herbal	Department of Biotechnology & Microbiology, Vidhyaa Giri College of Arts and Science, Puduvayal, Karaikudi	21st August, 2018	Inaugural Address	N
32.	1st two days National Workshop on "indigenous Cow Management and their Value-Added Products"	Department of Animal Health and Management, Alagappa University	18th December, 2018	Felicitation	N
33.	4th Batch of MBA (Logistics Management) Inauguration & Orientation Programme	Department of Logistics Management, Alagappa University	8th July, 2019	Felicitation Address	N
34.	World Habitat Day	Department of Botany, Alagappa University	16th October, 2019	Special Address	N
35.	Workshop on Cancer Therapy: "Translating Computational Insights into Clinical Oncology and Future	Department of Biomedical Science, Alagappa University	13th October, 2019	Felicitation Address	N

	Therapeutics”				
36.	Three Days Skill Training Workshop on Structural Bioinformatics and Computer Aided Drug Design (WSBCADD-2025)	Department of Bioinformatics, Alagappa University	23rd -25th October , 2025	Welcome Address	N



J. Jeyakanthan