



Dr. J. JEYAKANTHAN
Senior Professor and Head

Contact

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Academic Qualifications

Degree	Institution	Year	Branch	Class
D.Sc	Alagappa University	2022	Bioinformatics	Awarded
Ph.D.	University of Madras	2000	Crystallography and Biophysics	Awarded
M. Phil.	M. K. University	1995	Physics	First
M.Sc.	M. K. University	1993	Physics	First

Teaching Experience

Total Teaching Experience : 17 Years

Position	Institution	Duration
Senior Professor and Head	Department of Bioinformatics	April 2020 - *
Professor and Head		March 2010 - March 2020

Research Experience

Total Research Experience : 32 Years

Position	Institution	Duration
Senior Professor and Head	Department of Bioinformatics	April 2020 – Till date*
Professor and Head		March 2010 – March 2020
Research Scientist	SPRING-8, Japan	May 2007 – March 2010
Researcher	RIKEN Harima Institute, SPRING-8, Japan	June 2003 – May 2007
Post Doctoral Fellow	Indian Institute of Science, Bangalore	January 2000 – May 2003

Academic and Additional Responsibilities

S.No	Position	University Bodies	Period	
			From	To
Administrative Roles				
1.	Member	Alagappa Model Higher Secondary School, Karaikudi.	2026	- *
2.	Member of Syndicate	Alagappa University (Nominated by Governor of Tamil Nadu)	2024	- *
3.	Member	Finance Committee, Alagappa University	2024	- *
4.	Nodal Officer	NAAC - Internal Quality Assurance Cell (IQAC)	2023	- *
5.	Member of Syndicate	Alagappa University (Nominated by Governor of Tamil Nadu)	2016	2019
6.	Senate	Alagappa University	2010	- *
Academic Position				
7.	Head of the Department	Department of Bioinformatics, Alagappa University	2010	- *
8.	Dean Faculty of Science	All Science Departments, Alagappa University	2023	2026
9.	Chairperson	School of Biological Sciences, Alagappa University	2015	2026
10.	Director	Alagappa University Ranking Cell (AURC)	2019	- *
11.	Project Coordinator and PI	DBT-Bioinformatics and Computational Biology Center (BIC) and National Network Project (NPP)	2022	- *

12.	Project Coordinator	DST-PURSE Program (Phase-II) – All Science Departments, Alagappa University	2017	- *
13.	Project Coordinator	DST-FIST Program (Level-I), Department of Bioinformatics, Alagappa University	2017	- *
14.	Coordinator	UGC Innovative Program (PG Diploma), Department of Bioinformatics, Alagappa University	2013	- *
15.	Chairman	Board of Studies of Bioinformatics, Alagappa University	2010	- *
Additional Responsibility				
16.	Ambassador	The Association of Commonwealth Universities (ACU), Alagappa University	2022	- *
17.	Member	Project Monitoring Unit Academic Core Committee of RUSA 2.0	2022	- *
18.	Member	Guru Dakshata – UGC Quality Mandates	2021	- *
19.	Member	Paramarsh - UGC Quality Mandates	2021	- *
20.	Member	CARE/STRIDE - UGC Quality Mandates	2021	- *
21.	Coordinator	Tamil Nadu State University Rating Framework (TANSURF), Alagappa University	2018	- *
22.	Member	Research Advisory Committee (RAC), Alagappa University	2016	- *
23.	Academic staff	Anti-Ragging Committee, Alagappa University	2016	- *
24.	Member	Website Maintenance Committee, Alagappa University	2010	- *
25.	Member	Standing Committee on Academic Affairs, Alagappa University	2010	- *
26.	Coordinator	Higher Education Best Practice Cell, Alagappa University	2022	2023
27.	Member	Internal Quality Assurance Cell (IQAC)	2022	2024
28.	Director	Center for Internal Quality Assurance Committee, Directorate of Online Programmes, Alagappa University	2019	2021
29.	Chairman	Board of Studies of Botany	2019	2020
30.	Head of the Department	Department of Botany, Alagappa University	2019 Mar	2019 Nov
31.	Member	Internal Quality Assurance Committee, Directorate of Distance Education (DDE), Alagappa University	2018	2020
32.	Member	Sports Advisory Board	2018	2020
33.	Member	Finance Committee	2018	2019
34.	Member	Governing Council for DDE, Alagappa University	2018	2019
35.	Member	Board of Governors of RUSA 2.0, Alagappa University	2018	2019
36.	Coordinator	National Institutional Ranking Framework Cell	2017	2019
37.	Member	Purchase Committee of Alagappa University	2016	2019
38.	Director	Collaborative Programmes, Alagappa University	2015	2017
39.	Member	Research Advisory Committee, Alagappa University	2012	2015
40.	Director	Centre for International Relations, Alagappa University	2012	2016
41.	Coordinator	Career Guidance & Counseling Cell, Alagappa University	2012	2013
42.	Member	Internal Quality Assurance Cell (IQAC)	2010	2016

Areas of Research

Broad Subject : Structural Biology and Bio-Computing
Area of Specialization : Small and Macro Molecule X-ray Crystallography

Current Research focus

- **Structural and Functional Studies on Vital Drug Targets**
 - ❖ My research focuses on Structural Biology, Computer-Aided Drug Design, and Bio-Computing. I have 32 years of Research expertise in Structural and Functional aspects of model organisms *Thermus thermophilus* HB8 and *Pyrococcus horikoshii* OT3 (which shares similarity to the human genome) and disease-associated targets such as Cancer (Pak1), Diabetes (SIRT4), Chikungunya (nsP2 Protease), Dengue (STAT2), Filariasis (lysine and peptidoglycan biosynthesis proteins of *Wolbachia* endosymbiont of *Brugia malayi*), Malaria (*Plasmodium falciparum*), TB (*Mycobacterium tuberculosis*), SARS-CoV-2 (Covid-19), clinical isolates of ESKAPE Pathogens, *Serratia marcescens* and *Nocardia Species* (nosocomial infections).
- **Development of Databases, Software and Tools**
 - ❖ Web based search engines for analyzing macromolecular interactions

Patents Filed

S.No.	Title of Patent / Tech.Transfer / Product / Process	Author(s)	Patent Number	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. Gurumalles Prabhu, Dr. P. Sagadevan	2021410499 92	Dec, 2021	Published
2.	Synergistic formulation for preventing antibiotic resistance effect of <i>Serratia marcescens</i>	Dr.Dhamodharan prabhu, Dr.Sundarraaj rajamanikandan, Ramasamy palaniappan, Dr. J. Jeyaraman	2022410575 08 A	Dec, 2022	Published
3.	Phytochemical Composition against Vancomycin-resistant <i>Enterococcus faecium</i> .	Dr. Ahila Mathimaran, Dr. Jeyakanthan Jeyaraman , Mrs. Priyanka Sappanimuthu, Dr. Amala Mathimaran, Mr. Maharaja Muthuvairam Subbulakshmi	202541026 352	Mar, 2025	Filed

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	PDF	07	02
	Ph.D.	20	05
	M.Phil.	08	-
Project	PG	61	-
	UG / Others	10	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
275	112	-	120	19
h-index	i10 index	Citations	Cumulative Impact Factor (as per JCR)	
35	121	4921	961.27	

Funded Research Projects (Total: Rs.2280.132 Lakhs)

Ongoing Projects: (Total Fund received: 512.43 Lakhs)

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	US-FDA	2025	-*	Whole Genome Sequencing and Deposition of NGS Data from Cultivated Microbial Isolates Acquired from Farmed Shrimp Varieties	64,221 UDS
2.	ICMR	2024	-*	Deciphering the Microbiomes Role in Breast Cancer Progression: A Metagenomic and Bioinformatics Approach to Identifying Biomarkers and Therapeutic Targets	50.07
3.	MOE-STARS	2024	-*	Understanding the Mechanism of SARS-CoV-2 RNA Replication Initiation and Proofreading for Therapeutics	91.00
4.	DBT	2023	- *	DBT-National Network Project (NNP) (Project Coordinator and PI)	144.56
5.	DBT	2022	- *	DBT – Bioinformatics and Computational Biology Center (Project Coordinator and PI)	183.80

Completed Projects: (Total Fund recieved: 657.21 Lakhs)

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	ICMR	2023	2026	Molecular Insight and <i>In vitro</i> validation of Novel lead molecules against Sh3bp2 and kit protein	24.48
2.	ICMR	2022	2024	Computational and functional characterization of peptide inhibitors disrupting LIMK2- cofilin interaction as a novel therapeutic target towards Glaucoma.	15.80
3.	RUSA 2.0 (Phase -II)	2022	2023	Translational Health Research for Human Animal and Plant systems (TBRP)	15.63
4.	DST-INDO-TAIWAN	2020	2024	Structural and functional insights of potential anti-malarial drug targets of G6PD and 6PGD from Plasmodium falciparum(3D7)	73.72
5.	TANSCHÉ	2021	2024	Structural and functional characterization of phosphotransacetylase (PTA) and Acetate Kinase (ACKA) from Mycobacterium tuberculosis H3R7Rv using in silico and in vitro studies	29.80
6.	RUSA 2.0 (Phase -I)	2019	2021	Experimental and Computational Drug Discovery Studies for Life-Threatening Diseases under the Central theme, Translational Health Research for Human, Animal and plant Systems	18.14
7.	DAE-BRNS	2018	2021	Design, Synthesis and <i>in vitro</i> anticancer activity of novel and potent signaling influences therapeutic outcome in pancreatic cancer vated kinase 1 (Pak1) inhibitors	30.33
8.	ICMR	2017	2020	Structural insights of SIRT4 protein from <i>Homo sapiens</i> to identify inhibitors for the treatment of Type-II diabetes	33.34
9.	DST-SERB	2016	2019	Identification of Potential Anti-Filial drug targeted enzymes Wbm0441, Wbm0042 from Wolbachia endosymbiont <i>Brugia malayi</i>	69.38
10.	UGC-RA	2016	2018	Structural and Functional Insights of potential therapeutic dengue fever target STAT2 protein from <i>Homo Sapiens</i>	37.8
11.	DBT	2015	2018	Development of Web Based Search Engines for the Analyses of Protein interactions with Nucleotides, Fatty Acids and Buffers	13.81
12.	DBT-Twin	2014	2017	Identification of novel drug.... of the pathogen (TWIN Program)	73.69
13.	DST	2013	2016	Structural and Functional Studies of Purine Biosynthesis complex from <i>Pyrococcus horikoshii</i> OT3	48.98
14.	DBT-Twin	2013	2016	Structural and Functional Studies of Translation Initiation factors from <i>Pyrococcus horikoshii</i> OT3	77.00

15.	DBT	2012	2015	Structure determination of CPS and ATCase of <i>Thermus thermophilus</i> HB8 and identification of potential inhibitors	32.16
16.	DBT	2012	2015	Structural and Functional analysis of Orotate Phosphoribosyl transferase (TTHA1742) and Dihydroorotate Dehydrogenase (TTHA0779) from <i>Thermus thermophilus</i> HB8	50.25
17.	UGC	2012	2015	Structure and functional studies on PH0140 protein from <i>Pyrococcus horikoshii</i> OT3	12.903

Other Fund Received as Research Mentor: (Total Fund recieved: 159.77 Lakhs)

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	CMRG	2026	2028	Identification of Potential Drug Targets in Human Pathogenic Ocular Nocardia Species Using Genomics and Computational Approaches	12.80
2.	CSIR-SRF	2025	2027	Targeting Acetate Kinase in Mycobacterium tuberculosis: Peptide-based inhibitor development and structural insights	11.28
3.	ICMR - SRF	2022	2023	Structural and Functional Insights on Anti-Filarial Drug targeted enzymes using <i>in silico</i> and <i>in vitro</i> approach	4.77
4.	ICMR - SRF	2022	2024	Computational and Experimental Characterization of Therapeutic Protein Targets in <i>Acinetobacter baumannii</i>	9.55
5.	ICMR - SRF	2022	2024	Structural studies on polyamine biosynthesis enzymes	9.55
6.	ICMR - RA	2022	2024	Three-dimensional structure determination of Bacterial DNA Adenine Methyltransferase from <i>Acinetobacter baumannii</i> to be used as drug targets for designing antibiotics	13.20
7.	ICMR - RA	2022	2024	Structural and Functional Insights of Vancomycin Resistant Protein VanR from <i>Enterococcus faecium</i> using In vitro and in silico Approach	13.20
8.	UGC Kothari Fellow	2022	2024	Investigation of potential inhibitors for alpha linolenic acid (ALA) metabolism in the human malaria parasite	20.96
9.	ICMR - SRF	2020	2022	Experimental and Computational studies on Proteins involved in Peptidoglycan biosynthesis pathway from <i>Wolbachia</i> Endosymbiont of <i>Brugia malayi</i>	9.47
10.	ICMR - SRF	2019	2021	Structural insights mechanism of type II diabetes proteins from <i>homo sapiens</i> to identify potential inhibitors computational and biochemical studies	8.80

11.	ICMR - SRF	2018	2020	Structural and functional elucidation and inhibitors identification for SMATase from <i>Serratia marcescens</i> to overcome antibiotic resistance	8.97
12.	UGC - OBC	2016	2021	Transcriptional Regulation by p21-Activating kinase-1 with an Agonist RUNX3 and Antagonist peptides modulating Pancreatic Cancer: A Structural and Computational approach	19.06
13.	UGC - MANF	2014	2019	Structural and functional studies on Transcriptional regulatory proteins from <i>Thermus thermophilus</i> HB8 and <i>Pyrococcus horikoshii</i> OT3 - <i>In silico</i> and <i>in vitro</i> studies	18.16

Consultancy Projects:

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	Schrödinger, USA	2011	Till date	Computer Aided Drug Design	Collaboration and Skill Training for Research Scholars and Students
2.	University/ Institution	2012	2016	Computer Aided Drug Design	1.70
3.	GE Health care	2012	Till date	Protein Purification and Downstream Bioprocessing	Collaboration and skill training for Research Scholars and Students

Schemes Received for the Department: (Total Fund Received: 816 Lakhs)

S. No	Agency	Period		Scheme/Research Support	Budget (Rs. In lakhs)
		From	To		
1.	DST	2018	Till date	DST-FIST (Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions) Level – I	62
2.	DST	2017	Till date	DST-PURSE Programme (Phase 2) All Science Departments (Co-ordinator)	700
3.	UGC	2013	2018	UGC Innovative Programme – PG Diploma in Structural Pharmacogenomics (Post M.Sc. – One year Course)	54 + 2 Assistants Professor Salary for 5 yrs

Distinctive Achievements / Awards

Year	Award	Awarded by
2026	Nurturing Future Leadership Program (NFLP)	Indian Institute of Technology, Madras
2025	Fellow of Royal Society of Chemistry (FRSC)	Royal Society of Chemistry, UK
2025	Fellow of Royal Society of Biology (FRSB)	Royal Society of Biology UK
2025	Academic and Research Excellence Award	Alagappa University
2024	Senior Scientist Award	The Academy of Sciences, Chennai.
2024	Outstanding Academic and Researcher Award	Alagappa University
2023	Outstanding Academic and Researcher Award	Alagappa University
2022	Outstanding Researcher Award	Alagappa University
2020	Tamilnadu Scientist Award (TANSA) by Tamil nadu State Council for Science and Technology	Government of Tamil Nadu
2019	MHRD – LEAP award by NIT- Trichy & NTU-singapore	Government of India
2016	UGC Research Award	Government of India
2015	Fellow of Academy of Sciences	Government of Tamil Nadu
2007	Who's Who Scientific Directory	Marquis, USA
1999	IUCr Young Scientist	UK
1999	Young Scientist Travel Award by DST and UNESCO	UK
1997	CSIR SRF-JRF	Government of India

Events Organized and Fund Generated from Various Funding Agency

Number of Seminars / Conferences / Workshops / Events organized: 22 (**Fund Generated: 69.88 Lakhs**)

International			
Position	Programme	Duration	Institution
Convenor	International Conference on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (ICSBCADD'2025)	Dec. 17 th – 19 th , 2025	Alagappa University, Tamil Nadu, India.
Convenor	International Conference on Recent Trends	Nov. 21 st -	Alagappa University,

	in Structural Bioinformatics and Computer Aided Drug Design (ICSBCADD'2022)	25 th , 2022	Tamil Nadu, India.
Convenor	International Conference on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (ICSBCADD'2019)	Dec. 11 th - 13 th , 2019	Alagappa University, Tamil Nadu, India.
Convenor	International Conference on Innovative and Emerging Trends in Botany (ICIETB-2019)	Nov. 6 th -7 th , 2019,	Alagappa University, Tamil Nadu, India.
Co-Convenor	International Conference on Recent Trends in Biosciences-2016 (ICRTB-2016)	Apr. 07 th - 09 th , 2016	Alagappa University, Tamil Nadu, India.
National			
Convenor	Workshop on Structural Bioinformatics and Computer Aided Drug Design (WSBCADD'25)	Oct 23 rd – 25 th 2025	Alagappa University Tamil Nadu, India.
Convenor	11 th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2019)	Feb. 12 th - 15 th , 2019	Alagappa University, Tamil Nadu, India.
Organizing Secretary	10 th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2018)	Feb. 20 th - 23 rd , 2018	Alagappa University, Tamil Nadu, India.
Convenor	9 th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2017)	Feb. 14 th - 17 th , 2017	Alagappa University, Tamil Nadu, India.
Convenor	8 th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2016)	Feb. 16 th - 19 th , 2016	Alagappa University, Tamil Nadu, India.
Organizing Secretary	7 th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2015)	Feb. 24 th - 27 th , 2015	Alagappa University, Tamil Nadu, India.
Convenor	6 th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2014)	Feb. 18 th - 21 st , 2014	Alagappa University, Tamil Nadu, India.
Convenor	5 th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2013)	Feb. 19 th - 22 nd , 2013	Alagappa University, Tamil Nadu, India.
Convenor	4 th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2012)	Feb. 20 th - 23 rd , 2012	Alagappa University, Tamil Nadu, India.

Convenor	National Youth day	Jan. 12 th , 2012	Alagappa University, Tamil Nadu, India.
Organizing Secretary	3 rd National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2010)	Dec. 20 th -22 nd , 2010	Alagappa University, Tamil Nadu, India.

Events Participated

Number of Conferences / Seminars / Workshops: 253

Overseas Exposure / Visits

29 th - 31 st January, 2019	Binary University of Management and Entrepreneurship, Malaysia
8 th - 10 th April, 2019	Tianjin University, China
11 th -12 th April, 2019	Nanyang Technological University, Singapore
05 th - 09 th December, 2017	National Synchrotron Radiation Research Centre, Taiwan
22 nd - 30 th June, 2014	Osaka University and RIKEN SPring-8, Japan
02 nd - 08 th December, 2012	
09 th - 16 th December, 2011	
22 nd March - 30 th May, 2010	
Visited Country	USA, UK, Australia, Japan, Italy, China, Korea, Singapore, Taiwan, Hawaii, and Malaysia

Membership

Professional Bodies

S.No	Position	Professional Bodies	Country
1.	Member	American Crystallographic Association	USA
2.	Vice-President & Life Member	Bioinformatics and Drug Discovery Society (BIDDS)	India
3.	Member	British Crystallographic Association	UK
4.	Life Member	Indian Crystallographic Association	India
5.	Life Member	Indian Science Congress Association	India

6.	Life Member	Chemical Research Society of India	India
7.	Life Member	Society of Biological Chemists	India
8.	Life Member	Biotech Research Society	India
9.	Member	World Directory of Crystallographers	UK

Academic Bodies in Other Institutes/ Universities

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
2026-*	Board of Studies, Bishop Heber College, Tiruchirapalli.	Member
2025-*	Academic Council, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.	Member
2025-*	PG Board of studies in Bioinformatics % Computational Biology and B.Sc (Honors) in Bioinformatics, Pondicherry University.	Member
2025-*	Board of Studies, Department of Biotechnology, Central University of Tamil Nadu, Thiruvavur.	Member
2025-*	Ph.D Horticulture Programme, Central University of Tamil Nadu, Thiruvavur.	Member
2025-*	Research Advisory Council (RAC), Central University of Tamil Nadu, Thiruvavur.	Member
2025-*	Board of Studies in Department of Epidemiology & Public Health, Central University of Tamil Nadu.	Member
2025-*	Human Ethics Review Board, Central University of Tamil Nadu, Thiruvavur.	Chairperson
2022 -*	Karpagam Academy of Higher Education, Coimbatore	Distinguished Adjunct Faculty
2022 -*	Board of Studies in Department of Bioinformatics, Bishop Heber College, Bharathidasan University, Trichy.	Member
2022 -*	Board of Studies in Department of Bioinformatics, Bharathidasan University, Trichy.	Member
2022 -*	Board of Studies in Department of Bioinformatics, University of Madras.	Member
2020 - *	Board of Studies in Department of Bioinformatics, School of Chemical and Biotechnology, SASTRA Deemed University, Thanjavur.	Member
2019 - *	Research Advisory Committee, Karpagam Academy of Higher Education, Coimbatore	Member
2018 - *	Board of Studies in Bioinformatics, Bharathiar University, Coimbatore.	Member
2019 - 2021	Local Program Planning & Management Committee (LPPMC), Bharathiar University, Coimbatore	Member
2019 (Mar - Nov)	Board of Studies of Botany, Alagappa University.	Member
2018 - 2021	Research Committee, Bharathidasan University, Trichy	Member
2018 - 2021	Board of Studies in Environmental Biotechnology, Bharathidasan University, Trichy.	Member

2017 - 2019	Academic Council, Thassim Beevi Abdul Kader College for Women, Ramanathapuram	Member
2015 - 2018	Standing Committee on Academic Affairs, Bharathidasan University, Trichy.	Member
2015 - 2020	SAP implementation and governance of in Department of Physics, Punjab University, Chandigarh	Member
2015 - 2018	Board of Studies in Bioinformatics and Information Technology, Thiruvalluvar University, Vellorarche.	Member
2015 - 2018	Board of Studies in Bioinformatics (UG, PG & PG Diploma), Bharathidasan University, Trichy.	Member
2015 - 2017	Board of Studies in Bioinformatics, Bharathiar University, Coimbatore.	Member
2014 - 2017	Board of Studies in Faculty of Bio and Chemical Engineering, Sathyabama University, Chennai.	Member
2013 - 2016	Board of Studies of Bioinformatics (Bharathidasan University), Holy Cross College, Trichy.	Member
2012 - 2015	Board of Studies of Bioinformatics, Periyar University, Salem.	Member
2012 - 2015	Board of Studies of Physics, V.H.N.S.N. College, Virudhunagar.	Member

Ph.D. Thesis Evaluated / Viva Voce Conducted

- No. of PhD Thesis evaluated : 59
- No. of PhD Public Viva Voce Examination : 44
conducted

List of Research Articles / Selected Publications (Total Number of Publications: 275)

S.No	Selected Publications	Impact Factor
1.	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 Promoter TTTT Binding for Transcription Regulation. <i>Journal of Molecular Biology</i> 169664 (2026)	4.7
2.	Hemavathy, N., Umashankar, V., & Jeyakanthan, J. , Unveiling novel type 1 inhibitors for targeting LIM kinase 2 (LIMK2) for cancer therapeutics: An integrative pharmacoinformatics approach. <i>Comput. Bio. Chem</i> , 115, 108289. (2024)	4.17
3.	Prabhu, D., Shankari, G., Rajamanikandan, S., Jeyakanthan, J. , Velusamy, P., Gopinath, S. C., & Pattabi, S. Designing potential lead compounds targeting aminoglycoside N (6')-acetyltransferase in <i>Serratia marcescens</i> : A drug discovery strategy. <i>Int J Biol Macromol</i> , (2024). 136976.	7.7
4.	Sanjeevi, M., Rajendran, S., Jeyakanthan, J. , & C Sekar, K. K. MIPDS: a comprehensive database on the molecular interactions in protein dimer structures. <i>J. Appl. Crystallogr.</i> 57 (5). 2024.	4.86

5.	Mathimaran, A., Nagarajan, H., Mathimaran, A., Huang, Y. C., Chen, C. J., Vetrivel, U., & J Jeyakanthan Deciphering the pH-dependent oligomerization of aspartate semialdehyde dehydrogenase from Wolbachia endosymbiont of Brugia malayi: An in vitro and in silico approaches. <i>International Journal of Biological Macromolecules</i> , 133977. 2024.	8.2
6.	Amala, M., Nagarajan, H., Ahila, M., Nachiappan, M., Veerapandiyan, M., Vetrivel, U., & J Jeyakanthan Unveiling the intricacies of allosteric regulation in aspartate kinase from the Wolbachia endosymbiont of Brugia Malayi: Mechanistic and therapeutic insights. <i>International Journal of Biological Macromolecules</i> , 131326. 2024.	8.2
7.	Malaisamy, V., Alagesan, K., Nagarajan, H., Jayaraman, M., Vetrivel, U., & J Jeyakanthan Biochemical and biophysical characterization of biosynthetic arginine decarboxylase from Thermus thermophilus. Journal of biomolecular structure & dynamics, 1–18. Advance online publication. <i>J. Biomol. Struct. Dyn.</i> (2), 76. 2024.	4.4
8.	Hyderi Z, Nagarajan H, Priya SJ, Jeyakanthan J & Veera Ravi A. Exploring the antimicrobial potential of 4,5,7-trihydroxyflavanone (THF) against vancomycin-resistant Enterococcus gallinarum infections: In vitro and in silico investigations. <i>Journal of Biomolecular Structure and Dynamics</i> (2023)	4.4
9.	Rangaswamy R, Hemavathy N, Subramaniyan S, Vetrivel U & Jeyakanthan J . Harnessing allosteric inhibition: Prioritizing LIMK2 inhibitors for targeted cancer therapy through pharmacophore-based virtual screening and essential molecular dynamics. <i>Journal of Biomolecular Structure and Dynamics</i> (2023)	4.4
10.	Ahmad M, Jha B, Bose S, Tiwari S, Dwivedy A, Kar D, Pal R, Mariadasse R, Parish T, Jeyakanthan J , Vinothkumar KR & Biswal BK. Structural snapshots of Mycobacterium tuberculosis enolase reveal dual mode of 2PG binding and its implication in enzyme catalysis. <i>IUCrJ</i> . 2023.	5.588
11.	Vinita NM, Devan U, Durgadevi S, Anitha S, Govarthanan M, Antony Joseph Velanganni A, Jeyaraman J & Kumar P. Impact of Surface Charge-Tailored Gold Nanorods for Selective Targeting of Mitochondria in Breast Cancer Cells Using Photodynamic Therapy. <i>ACS Omega</i> . 2023.	4.132
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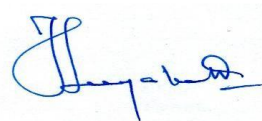
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