



Dr. J. JEYAKANTHAN
Senior Professor and Head

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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 : 14 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 : 29 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 of Syndicate	Alagappa University (Nominated by Governor of Tamil Nadu)	2016	2019
2.	Senate	Alagappa University	2010	-*
Academic Position				
3.	Head of the Department	Department of Bioinformatics, Alagappa University	2010	- *
4.	Dean Faculty of Science	All Science Departments, Alagappa University	2023	- *
5.	Chairperson	School of Biological Sciences, Alagappa University	2015	- *
6.	Director	Alagappa University Ranking Cell (AURC)	2019	- *
7.	Project Coordinator and PI	DBT-Bioinformatics and Computational Biology Center (BIC) and National Network Project (NPP)	2022	- *
8.	Coordinator	DST-PURSE Program (Phase-II) – All Science Departments, Alagappa University	2017	- *
9.	Coordinator	DST-FIST Program (Level-I), Department of Bioinformatics, Alagappa University	2017	- *
10.	Coordinator	UGC Innovative Program (PG Diploma), Department of Bioinformatics, Alagappa University	2013	- *

11.	Chairman	Board of Studies of Bioinformatics, Alagappa University	2010	- *
Additional Responsibility				
12.	Ambassador	The Association of Commonwealth Universities (ACU), Alagappa University	2022	- *
13.	Member	Project Monitoring Unit Academic Core Committee of RUSA 2.0	2022	- *
14.	Member	Guru Dakshata – UGC Quality Mandates	2021	- *
15.	Member	Paramarsh - UGC Quality Mandates	2021	- *
16.	Member	CARE/STRIDE - UGC Quality Mandates	2021	- *
17.	Coordinator	Tamil Nadu State University Rating Framework (TANSURF), Alagappa University	2018	- *
18.	Member	Research Advisory Committee (RAC), Alagappa University	2016	- *
19.	Academic staff	Anti-Ragging Committee, Alagappa University	2016	- *
20.	Member	Website Maintenance Committee, Alagappa University	2010	- *
21.	Member	Standing Committee on Academic Affairs, Alagappa University	2010	- *
22.	Coordinator	Higher Education Best Practice Cell, Alagappa University	2022	2023
23.	Member	Internal Quality Assurance Cell (IQAC)	2022	2024
24.	Director	Center for Internal Quality Assurance Committee, Directorate of Online Programmes, Alagappa University	2019	2021
25.	Chairman	Board of Studies of Botany	2019	2020
26.	Head of the Department	Department of Botany, Alagappa University	2019 Mar	2019 Nov
27.	Member	Internal Quality Assurance Committee, Directorate of Distance Education (DDE), Alagappa University	2018	2020
28.	Member	Sports Advisory Board	2018	2020
29.	Member	Finance Committee	2018	2019
30.	Member	Governing Council for DDE, Alagappa University	2018	2019
31.	Member	Board of Governors of RUSA 2.0, Alagappa University	2018	2019
32.	Coordinator	National Institutional Ranking Framework Cell	2017	2019
33.	Member	Purchase Committee of Alagappa University	2016	2019
34.	Director	Collaborative Programmes, Alagappa University	2015	2017
35.	Member	Research Advisory Committee, Alagappa University	2012	2015
36.	Director	Centre for International Relations, Alagappa University	2012	2016
37.	Coordinator	Career Guidance & Counseling Cell, Alagappa University	2012	2013
38.	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 29 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	2021410 49992	December, 2021	Published
2.	Synergistic formulation for preventing antibiotic resistance effect of <i>Serratia marcescens</i>	Dr. Dhamodharan Prabhu, Dr. Sundarraj Rajamanikandan, Ramasamy Palaniappan, Dr. J. Jeyaraman	2022410 57508 A	December, 2022	Published

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	PDF	04	04
	Ph.D.	11	10
	M.Phil.	08	-
Project	PG	58	-
	UG / Others	10	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
206	108	04	145	15

Cumulative Impact Factor (as per JCR)	:	755
h-index	:	29
i10 index	:	85
Citations	:	3411

Funded Research Projects

Ongoing Projects: (Total Fund received: 463.31 Lakhs)

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	DBT	2023	- *	DBT-National Network Project (NNP) (Project Coordinator and PI)	144.56
2.	DBT	2022	- *	DBT – Bioinformatics and Computational Biology Center (Project Coordinator and PI)	183.80
3.	DST INDO- TAIWAN	2020	2024	Structural and functional insights of potential anti-malarial drug targets of G6PD and 6PGD from <i>Plasmodium falciparum</i> (3D7)	73.72
4.	TANSCHE	2021	2024	Structural and functional characterization of phosphotransacetylase (PTA) and Acetate Kinase (ACKA) from Mycobacterium tuberculosis H3R7Rv using <i>in silico</i> and <i>in vitro</i> studies	29.80
5.	ICMR	2022	2024	Computational and functional characterization of peptide inhibitors disrupting LIMK2-cofilin interaction as a novel therapeutic target towards Glaucoma (Co-PI)	15.80

6.	RUSA 2.0 (Phase -II)	2022	2023	Experimental and Computational Drug Discovery Studies for Life-Threatening Diseases under the Central theme, Translational Health Research for Human, Animal and plant Systems	15.63
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Completed Projects: (Total Fund received: 424.09 Lakhs)

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	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
2.	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
3.	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
4.	DST-SERB	2016	2019	Identification of Potential Anti-Filial drug targeted enzymes Wbm0441, Wbm0042 from Wolbachia endosymbiont <i>Brugia malayi</i>	69.38
5.	UGC-RA	2016	2018	Structural and Functional Insights of potential therapeutic dengue fever target STAT2 protein from <i>Homo Sapiens</i>	37.8
6.	DBT	2015	2018	Development of Web Based Search Engines for the Analyses of Protein interactions with Nucleotides, Fatty Acids and Buffers	13.81
7.	DST	2013	2016	Structural and Functional Studies of Purine Biosynthesis complex from <i>Pyrococcus horikoshii</i> OT3	48.98
8.	DBT-Twin	2013	2016	Structural and Functional Studies of Translation Initiation factors from <i>Pyrococcus horikoshii</i> OT3	77.00
9.	DBT	2012	2015	Structure determination of CPS and ATCase of <i>Thermus thermophilus</i> HB8 and identification of potential inhibitors	32.16
10.	DBT	2012	2015	Structural and Functional analysis of Orotate Phosphoribosyl transferase (TTHA1742) and Dihydroorotate Dehydrogenase (TTHA0779) from <i>Thermus thermophilus</i> HB8	50.25
11.	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 received: 135.67 Lakhs)

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	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
2.	ICMR - SRF	2022	2024	Computational and Experimental Characterization of Therapeutic Protein Targets in <i>Acinetobacter baumannii</i>	9.55
3.	ICMR - SRF	2022	2024	Structural studies on polyamine biosynthesis enzymes	9.55
4.	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
5.	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
6.	UGC Kothari Fellow	2022	2024	Investigation of potential inhibitors for alpha linolenic acid (ALA) metabolism in the human malaria parasite	20.96
7.	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
8.	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
9.	ICMR - SRF	2018	2020	Structural and functional elucidation and inhibitors identification for SMATase from <i>Serratia marcescens</i> to overcome antibiotic resistance	8.97
10.	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
11.	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:

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 Pharamacogenomics (Post M.Sc. – One year Course)	54 + 2 Assistants Professor Salary for 5 yrs

Distinctive Achievements / Awards

Year	Award	Awarded by
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

International			
Position	Programme	Duration	Institution
Convenor	International Conference on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (ICSBCADD'2022)	Nov. 21 st - 25 th , 2022	Alagappa University, 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	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	Feb. 14 th - 17 th , 2017	Alagappa University,

	Design (SBCADD'2017)		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

1. Member in American Crystallographic Association
2. Vice-President & Life Member, Bioinformatics and Drug Discovery Society (BIDDS)
3. Member in British Crystallographic Association
4. Executive Committee Member in Indian Crystallographic Association
5. Life Member, Indian Science Congress Association
6. Life Member, Chemical Research Society of India
7. Life Member, Society of Biological Chemists, India
8. Life Member, Biotech Research Society, India
9. Member in the World Directory of Crystallographers

Academic Bodies in Other Institutes/ Universities

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
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	Member

	University, Thanjavur.	
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, Vellore.	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

1. No. of PhD Thesis evaluated : 50
2. No. of PhD Public Viva Voce Examination conducted : 32

List of Research Articles / Recent Publications (Total Number of Publications: 209)

S. No	Author Details and Title of Paper	Impact Factor
1.	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>J. Biomol. Struct. Dyn.</i> 1-18. (2023).	4.4
2.	Ahmad, M., Jha, B., Bose, S., Tiwari, S., Dwivedy, A., Kar, D., Pal, R., Mariadasse, R., Parish, T., Jeyakanthan, J. , Vinothkumar, K. R., & Biswal, B. K. Structural snapshots of Mycobacterium tuberculosis enolase reveal dual mode of 2PG binding and its implication in enzyme catalysis. <i>IUCrJ.</i> (2023)	5.588
3.	Karthika, A., Hemavathy, N., Amala, M., Rajamanikandan, S., Veerapandian, M., Prabhu, D., Umashankar V., Chen CJ., Chitra JP., & Jeyakanthan, J. Structural and functional characterization of 6-phosphogluconate dehydrogenase in Plasmodium falciparum (3D7) and identification of its potent inhibitors. <i>J. Biomol. Struct. Dyn.</i> 1-17. (2023).	5.235
4.	Ramachandran, B., Muthupandian, S., Jeyaraman, J. , & Lopes, B. S. Computational exploration of molecular flexibility and interaction of meropenem analogs with the active site of oxacillinase-23 in Acinetobacter baumannii. <i>Front. Che. 11</i> (2023).	5.545
5.	Balu, R., Ramachandran, S. S., Mathimaran, A., Jeyaraman, J. , & Paramasivam, S. G. Functional significance of mouse seminal vesicle sulfhydryl oxidase on sperm capacitation in vitro. <i>Mol. Hum. Reprod.</i> (2022).	4.518
6.	Kanumuri, R., Chelluboyina, A. K., Biswal, J., Vignesh, R., Pandian, J., Venu, A., Vaishnavi, B., Leena, D. J., Jeyaraman, J. , Ganesan, K., Aradhyam, G. K., Venkatraman, G., & Rayala, S. K. Small peptide inhibitor from the sequence of RUNX3 disrupts PAK1-RUNX3 interaction and abrogates its phosphorylation-dependent oncogenic function. <i>Oncogene.</i> 40(34):5327-5341 (2021)	9.867
7.	Mariadasse, R., Rajmichael, R., Dwivedy, A., Amala, M., Ahmad, M., Mutharasappan, N., Biswal, B. K., & Jeyakanthan, J. Characterization of putative transcriptional regulator (PH0140) and its distal homologue. <i>Cell Signal.</i> 84, 110031 (2021)	4.315
8.	Ahmad, M., Dwivedy, A., Mariadasse, R., Tiwari, S., Kar, D., Jeyakanthan, J. , & Biswal, B. K. Prediction of small molecule inhibitors targeting the severe acute respiratory syndrome coronavirus-2 RNA-dependent RNA polymerase. <i>ACS omega</i> , 5(29), (2020). 18356-18366.	4.132
9.	Murugan, N. A., Kumar, S., Jeyakanthan, J. , & Srivastava, V. Searching for target-specific and multi-targeting organics for Covid-19 in the Drugbank database with a double scoring approach. <i>Sci Rep.</i> 10(1),19125.(2020).	5.133
10.	Murugan, N. A., Muvva, C., Jeyarajpandian, C., Jeyakanthan, J. , & Subramanian, V. Performance of Force-Field- and Machine Learning-Based Scoring Functions in Ranking MAO-B Protein-Inhibitor Complexes in Relevance to Developing Parkinson's Therapeutics. <i>Int J Mol Sci.</i> . 21(20), 7648. (2020).	5.923

11.	Chaudhary, S. K., Elayappan, M., Jeyakanthan, J. , & Kanagaraj, S. Structural and functional characterization of oligomeric states of proteins in RecFOR pathway. <i>Int J Biol. Macromol.</i> 163, 943-953. (2020).	6.953
12.	Mariadasse, R., Choubey, S. K., & Jeyakanthan, J. Insights into Exogenous Tryptophan-Mediated Allosteric Communication and Helical Transition of TRP Protein for Transcription Regulation. <i>J Chem Inf Model.</i> 60(1), 175–191. (2020).	4.956
13.	Chaudhary, S. K., Iyyappan, Y., Elayappan, M., Jeyakanthan, J. ,& Sekar, K. Insights into product release dynamics through structural analyses of thymidylate kinase. <i>Int J Biol Macromol.</i> 123, 637–647. (2019).	6.953
14.	Nachiappan, M., Jain, V., Sharma, A., Yogavel, M., & Jeyakanthan, J. Structural and functional analysis of Glutaminyl-tRNA synthetase (TtGlnRS) from <i>Thermus thermophilus</i> HB8 and its complexes. <i>J Biol Macromol.</i> 120(Pt B), 1379–1386. (2018).	6.953
15.	Jagadeeshan, S., Subramanian, A., Tentu, S., Beesetti, S., Singhal, M., Raghavan, S., Surabhi, R. P., Mavuluri, J., Bhoopalan, H., Biswal, J., Pitani, R. S., Chidambaram, S., Sundaram, S., Malathi, R., Jeyaraman, J. , Nair, A. S., Venkatraman, G., & Rayala, S. K. P21-activated kinase 1 (Pak1) signaling influences therapeutic outcome in pancreatic cancer. <i>Ann Oncol.</i> 27(8), 1546–1556. (2016).	32.976

Contribution in book/ chapters – 15

S. No	Particulars	Publisher and Year
1.	P. Shanmugavel & J. Jeyakanthan. Molecular Interactions (ISBN: 8170195116)	Today & Tomorrows Printers and Publishers, 2015
2.	Nachiappan M, Guru R Rao, Richard M, Saritha P, Amala M, Prabhu D, Rajamanikandan S, Chitra JP & Jeyakanthan J. Experimental and Computational Methods to Determine Protein Structure and Stability. <i>Frontiers in Protein Structure, Function, and Dynamics</i> (ISBN 978-981-15-5529-9) Pages: 23 - 55.	Springer, USA 2020
3.	Jayashree B, Prajisha J, Raghu R & Jeyakanthan J. Synergistic Effects of Hydration Sites in Protein Stability: A Theoretical Water Thermodynamics Approach. <i>Frontiers in Protein Structure, Function, and Dynamics.</i> (ISBN 978-981-15-5529-9) Pages: 187 – 212.	Springer, USA 2020
4.	Balajee R, Saravanan M, Jeyakanthan J. Prospects of Covalent approaches in Drug Discovery: An Overview.	Scrivener, USA 2020
5.	Mutharasappan Nachiappan, Ravi Guru Raj Rao, Mariadasse Richard, Dhamodharan Prabhu, Sundarraj Rajamanikandan, Jeyaraj Pandian Chitra and Jeyaraman Jeyakanthan. 3D Structural Determination of Macromolecules using X-ray Crystallography Methods. <i>Molecular Docking for Computer-Aided Drug Design.</i>	Elsevier, Netherlands 2020

6.	K. Mohanrasu, R. Guru Raj Rao, M. Sudhakar, Rathinam Raja, J. Jeyakanthan , A. Arun. Marine Microbial Pharmacognosy: Prospects and Perspectives. Marine Niche: Applications in Pharmaceutical Sciences	Springer Nature, USA 2020
7.	K. Mohanrasu, R. Guru Raj Rao, V. Ananthi, G.Sivaprakash, G.H.Dinesh, Angelin Swetha, A. Arun & Jeyakanthan J. Microbial Bio-Based Polymer Nanocomposite for Food Industry Applications.	Elsevier, Netherlands 2020
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International Conferences : 30

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