

Dr.Mary Rajathei D

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Web:

MCA		Manonomanium Sundarnar University	2000
B.Sc	Chemistry	Manonomanium Sundaranar University	1996

Ph.D. Details

Title of Thesis		Area of Specialization
Bioinformatics Approaches for Analyzing Internal Repeats in Proteins		Text mining and Protein sequence analysis
Research Supervisor	Research Centre	Year of Award
Dr. S. Selvaraj	Bharathidasan University	December 2014

Obtained Post Doctoral Fellowship :	Yes	Agency	PDF
Host Institution :	UGC		

Additional Qualification

Name of Course	Place of Study	Date	Duration
PGDCA	Manonmanium Sundaranar University	Apr 1997	1 year
Oracle	Pentsoft	July 1999	six month
JAVA	Ultra Computers	April 2000	six month

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Bharathidasan University	Bharathidasan University, Tiruchirappalli - 620 024.	Guest Lecturer	01/01/2015	01/07/2017

Teaching / Research Experience

U.G. :	P.G. :	3	M.Phil.	Ph.D.
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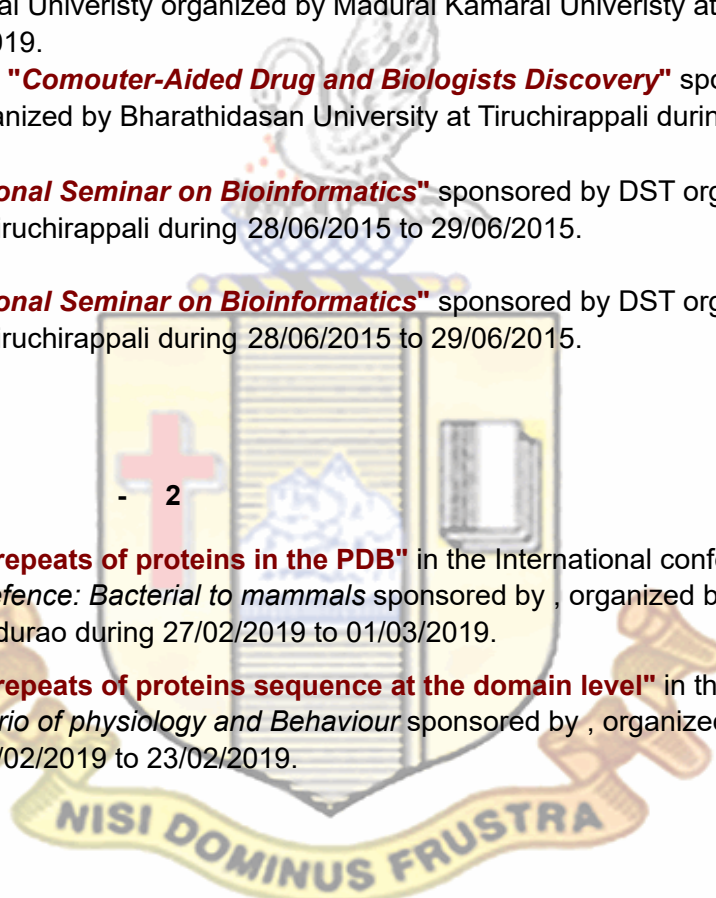
1.	Conferences / workshops / Seminars Attended	7
2.	Research Papers Presented	2
3.	Publication in Journals	11
4.	Publication in Books	2
5.	Books Published / Edited	0
6.	Conferences / Workshops / Seminars Organised	0
7.	Research Projects	0
8.	Resource Person	0
9.	Consultancy	0
10.	Awards Recieved	2
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	0
14.	M.Phil. / Ph.D. Produced	0 / 0

1. International level Conference on **"Genome Biology and Host Defence Bacteria to Mammals"** sponsored by Madurai Kamaral Univeristy organized by Madurai Kamaral Univeristy at Madural during 27/02/2020 to 01/03/2019.
2. Regional level Workshop on **"Data Science"** sponsored by CADD Center organized by CADD Center at Tiruchirappali during 06/09/2019 to 06/09/2019.
3. National level Seminar on **"Digital Technologies for Research Impact and Information quality"** sponsored by Bharathidasan University organized by Bharathidasan University at Tiruchirappali during 22/08/2019 to 23/08/2019.
4. International level Conference on **"Genome Biology and Host Defence Bacteria to Mammals"** sponsored by Madurai Kamaral Univeristy organized by Madurai Kamaral Univeristy at Madural during 27/02/2019 to 01/03/2019.
5. University level Workshop on **"Comouter-Aided Drug and Biologists Discovery"** sponsored by Bharathidasan University organized by Bharathidasan University at Tiruchirappali during 16/11/2015 to 17/11/2015.
6. -1 level Conference on **"National Seminar on Bioinformatics"** sponsored by DST organized by Bharathidasan University at Tiruchirappali during 28/06/2015 to 29/06/2015.
7. -1 level Conference on **"National Seminar on Bioinformatics"** sponsored by DST organized by Bharathidasan University at Tiruchirappali during 28/06/2015 to 29/06/2015.

Research Papers Presented

- 2

1. **"Analysis of Larger tandem repeats of proteins in the PDB"** in the International conference on *Genome Biology and Host Defence: Bacterial to mammals* sponsored by , organized by Madurai Kamaraj Univeriversiity at Madurao during 27/02/2019 to 01/03/2019.
2. **"Analysis of Larger tandem repeats of proteins sequence at the domain level"** in the National conference on *Current Scenario of physiology and Behaviour* sponsored by , organized by Periyar University at Salem during 22/02/2019 to 23/02/2019.



1. **"Identification of significant descriptors for enzyme inhibition using the LASSO method and a genetic algorithm search"** published in International Journal of Computational Biology and Drug Design (PEER REVIEW) Vol. 15, Issue No. 3, February 2023 ISSN : 1756-0756.
Impact factor , Scopus Index yes, h - index , Citation index 0.6
2. **"Combined QSAR Model and Chemical Similarity Search for Novel HMG-CoA Reductase Inhibitors for Coronary Heart Disease"** published in Current Computer - Aided Drug Design (PEER REVIEW) Vol. 16, Issue No. 1573-4099, November 2020 ISSN : 1573-4099.
Impact factor , Scopus Index , h - index 31, Citation index 4
3. **"Combined QSAR Model and Chemical Similarity Search for Novel HMG-CoA Reductase Inhibitors for Coronary Heart Disease"** published in Current Computer - Aided Drug Design (PEER REVIEW) Vol. 16, Issue No. 1573-4099, November 2020 ISSN : 1573-4099.
Impact factor , Scopus Index , h - index 31, Citation index 4
4. **"HPREP: a comprehensive database for human proteome repeats"** published in Journal of Integrative Bioinformatics (PEER REVIEW) Vol. 17, Issue No. 4, December 2019 ISSN : 1613-4516.

Impact factor , Scopus Index 0.89, h - index 22, Citation index 5.8
5. **"Identification and Analysis of Long Repeats of Proteins at the Domain Level"** published in Front Bioeng Biotechnol. (PEER REVIEW) Vol. 7, Issue No. : 2296-4185, August 2019 ISSN : : 2296-4185.
Impact factor , Scopus Index , h - index 31, Citation index 4
6. **"MiR-132 regulated olfactory bulb proteins linked to olfactory learning in greater short-nosed fruit bat Cynopterus sphinx"** published in Gene (PEER REVIEW) Vol. 671, Issue No. 0378-1119, October 2018 ISSN : 0378-1119.
Impact factor , Scopus Index , h - index 31, Citation index 4
7. **"A Web Database IR-PDB for Sequence Repeats of Proteins in the Protein Data Bank"** published in International Journal of Knowledge Discovery in Bioinformatics (PEER REVIEW) Vol. 7, Issue No. 1947-9115, January 2017 ISSN : 1947-9115.
Impact factor , Scopus Index , h - index , Citation index 2
8. **"Conservation of inter-residue interactions and prediction of folding rates of domain repeats"** published in Journal of Biomolecular Structure and Dynamics (PEER REVIEW) Vol. 33, Issue No. 3, April 2015 ISSN : 0739-1102.
Impact factor , Scopus Index 0.561, h - index 73, Citation index 4
9. **"Molecular docking of bacosides with tryptophan hydroxylase: a model to understand the bacosides mechanism"** published in Natural products and bioprospecting (PEER REVIEW) Vol. 4, Issue No. 2192-2209, August 2014 ISSN : 2192-2209.
Impact factor , Scopus Index 0.612, h - index 26, Citation index 8
10. **"Analysis of sequence repeats of proteins in the PDB"** published in Computational Biology and Chemistry (PEER REVIEW) Vol. 47, Issue No. 1476-9271, December 2013 ISSN : 1476-9271.

Impact factor , Scopus Index , h - index , Citation index 13
11. **"Clustering of PubMed abstracts using nearer terms of the domain"** published in Bioinformation (PEER REVIEW) Vol. 8, Issue No. 0973-2063, January 2012 ISSN : 0973-2063.

Impact factor , Scopus Index , h - index , Citation index 15

Publication in Books - 2

1. **Identification and Analysis of Long Repeats of Proteins at the Domain Level.** *Intelligent Systems For Genome Functional and Annotations.* :Frontiers in Genetics and Frontiers in Bioengineering and Biotechnology, October 2019.
2. **A Web Database IR-PDB for Sequence Repeats of Proteins in the Protein Data Bank.** *Biotechnology: Concepts, Methodologies, Tools, and Applications.* :IGI GLOBAL, June 2019.

Awards Recieved - 2

Award Name	Presented by	Year	Level	Instituted by / Place	amount
UGC PDFWM	UGC, india	01/06/2017	NATIONAL		
Senior Research Fellow		01/11/2010	NATIONAL	DST-SERB	

Additional Information

@ TOFEL - Qualified June 2004

@ 1. GRE in Computer Science - December 2003



Signature of Staff
(Mary Rajathei D)