

## Dr.Mary Rajathei D

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Bishop Heber College,  
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MCA		Manonomanium Sundarnar University	2000
B.Sc	Chemistry	Manonomanium Sundaranar University	1996

### Ph.D. Details

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

<b>Obtained Post Doctoral Fellowship :</b> Host Institution :	Yes UGC	<b>Agency</b> PDF
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### Additional Qualification

Name of Course	Place of Study	Date	Duration
PGDCA	Manonmanium Sundaranar University	Apr 1997	1 year
Oracle	Pentasoftware	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

<b>Teaching / Research Experience</b>			
<b>U.G. :</b>	<b>P.G. :</b>	<b>M.Phil.</b>	<b>Ph.D.</b>
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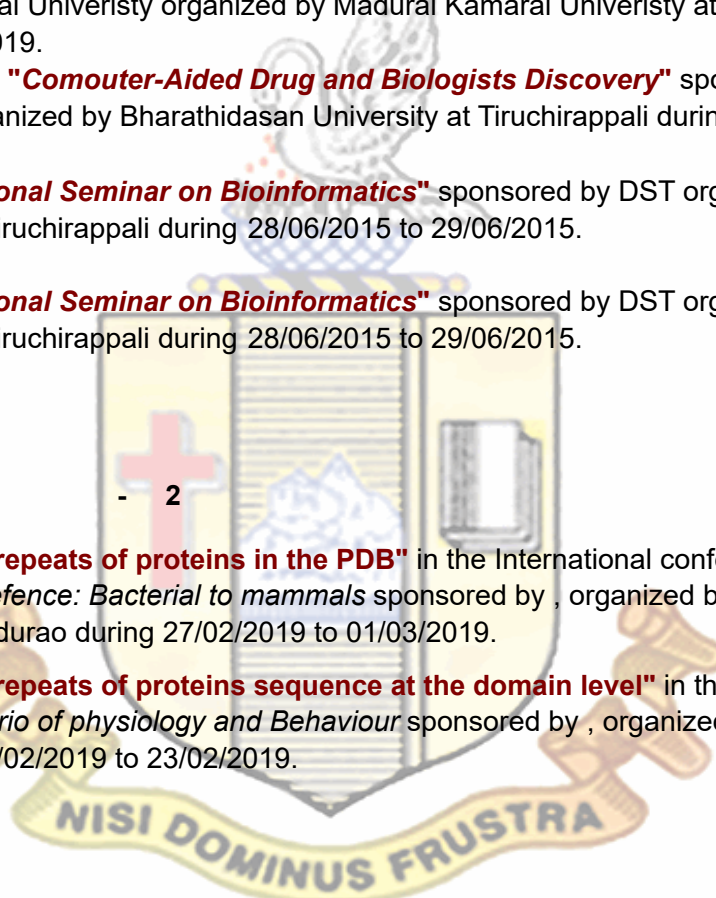
1.	<b>Conferences / workshops / Seminars Attended</b>	7
2.	<b>Research Papers Presented</b>	2
3.	<b>Publication in Journals</b>	11
4.	<b>Publication in Books</b>	2
5.	<b>Books Published / Edited</b>	0
6.	<b>Conferences / Workshops / Seminars Organised</b>	0
7.	<b>Research Projects</b>	0
8.	<b>Resource Person</b>	0
9.	<b>Consultancy</b>	0
10.	<b>Awards Recieved</b>	2
11.	<b>Patent</b>	0
12.	<b>Extension Activities Undertaken</b>	0
13.	<b>Professional Membership</b>	0
14.	<b>M.Phil. / Ph.D. Produced</b>	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 Senior Research Fellow	UGC, india	01/06/2017 01/11/2010	NATIONAL NATIONAL	DST-SERB	

## Additional Information

- @ TOFEL - Qualified June 2004
- @ 1. GRE in Computer Science - December 2003



**Signature of Staff**  
**(Mary Rajathej D)**