Dr. J. Asnet Mary

Designation : Assistant Professor

Department : Zoology

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Languages Proficiency

Read : English & Tamil

Write : English & Tamil

Speak : English & Tamil

1. Qualification

S. No.	Degree / Diploma / Certificate	Discipline	Name of the Institution	Year of Passing
1.	UG	Zoology	Fatima College	2002
2.	PG	Zoology	American College	2004
4.	Ph.D.	Zoology	Lady Doak College	2018
5.	Diploma	Advanced Diploma in Bioinformatics	Madurai Kamaraj University	2005
6.	Certificate	Hardware and Networking	Madurai Kamaraj University	2005
7.	Technical	Oracle	NIIT	2010

2. Teaching Experience / Other Experience

S. No.	Institution / Organization	From - To
1.	Lecturer, Department of Biotechnology, Lady Doak College, Madurai	June 2005 – Oct. 2010
2.	Research Associate, Bioinformatics Lab, (DBT-BIF), Department of Biotechnology, Lady Doak College, Madurai	Oct. 2010 – May 2013
3.	Assistant Professor, Department of Zoology, Fatima College, Madurai	June 2013 – Till date

3. Position Held in Fatima (Vice Principal, HoD, Dean, Coordinator, Member etc.)

S. No.	Name of the Position	From - To
1.	Extension – Assistant Coordinator	July 2013 – May 2018
2.	UGC Committee	June 2016 – May 2017
3.	EDC – incubation center	June 2018 – May 2020

S. No.	Name of the Position	From - To
4.	UGC Committee	June 2018 – May 2020
5.	IPR Cell	June, 2020 – 2024
6.	Research Advisory Committee (Assistant Dean of Research - Shift I)	Aug, 2022 – 2024
7.	Institute Industry Interface cell	Aug, 2022 – 2024
8.	ROSA Extension & UBI Coordinator	July 2024 – Till date

4. Achievements

S. No.	Name of the Award	Award Received for	Sponsors / Source	Date
1.	Young Scientist Award	-	6th Conference of Medical Arthropodology conducted by Centre for Research in Medical Entomology (Indian Council for Medical Research	Oct. 19, 2012
2.	Humanity BEST Social Star Award of 2017	-	Humanity Protection Organization	Jan. 21, 2017
3.	Best Extension coordinator Award	-	Abdul Kalam Trust	May 10, 2017

5. Membership in Professional / Other Bodies / Committees

S. No.	Name of the Position	Name of the Body	Name of the Institution	Duration
1.	External Examiner	-	Local Colleges	2008 onwards

6. Areas of Specialization

- **Bioinformatics :** Sequence and structural analysis, Protein structure prediction
  Drug designing and docking (Schordinger)
  MicroRNA prediction
  Microarray data analysis
  Virus-host interactions

7. Fellowship Received

- Received fellowship from the Department of Biotechnology (DBT), New Delhi, Govt. of India for the Advanced Diploma in Bioinformatics Course from Aug 2004 to April 2005.
- Received DBT-BIF fellowship for the Research Associateship from Oct. 2010 – May 2013.

8. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programme	Theme	Organized by	Date
1.	Training	Effective Teaching	Lady Doak College	June 01 - 10, 2006

S. No.	Programme	Theme	Organized by	Date
2.	5th National training	Immunological Techniques	Lady Doak College	May 03 - 15, 2010
3.	National level training	Recent Techniques in Proteomics	National Dairy Research Institute (NDRI), Karnal	Mar. 10 - 30, 2011
4.	Faculty Development Programme	-	AIACHE, New Delhi	Nov. 20 - 22, 2013
5.	Training of Trainers	Women State Assembly	IWID, Chennai	Oct. 18 & 19, 2013
6.	Resource Person for the Training Programme Conducted for College Students, Rural Women, School Teachers	Women State Assembly	Fatima College, Madurai in Collaboration with IWID, Chennai	Dec. 19 &20, 2013; Jan. 09 & 10, 2014; Jan. 23 & 24, 2014
7.	Women State Assembly – 2014	State Assembly	Fatima College, Madurai in Collaboration with IWID, Chennai	Aug. 15 & 16, 2014
8.	Women Parliament - 2015	Collective Farming and Women Parliament	IWID, Chennai in Collaboration with Amity University, Noida, UP	May 20 - 22, 2015
9.	Faculty Training	Capacity Building Programme for Young Teachers	St. Christopher's College for Education, Chennai	Oct. 18 - 22, 2016
10.	Orientation	Faculty Orientation Programme	Human Resource Management, Academic Staff College, Madurai Kamaraj University, Madurai	Aug. 31 - Sep. 27, 2017
11.	Faculty Training	Faculty Training Workshop of South Asia	St. Aloysius College, Jabalpur (M.P)	Oct. 23 - 26, 2018
12.	Refresher Course	Recent Trends in life sciences	Human Resource Centre, Madurai Kamaraj University, Madurai	Nov. 16 – Dec. 06, 2018
13.	Refresher Course	Life Sciences & Biotechnology	UGC-MMTTC, Jawaharlal Nehru University, New Delhi	Nov. 22 - Dec. 06, 2023
14.	Refresher Course	Refresher Course in Life Sciences	UGC-MMTTC, Bharathiyar University, Coimbatore	Sep. 18 - Oct. 01, 2024

9. Paper Presented on National/International Seminars, Workshops, Conferences & Symposiums

S. No.	Programme & Theme	Organized by	Date	Participated/ Presented	Title of the Paper
1.	5th Conference on Medical Arthropodology	Centre for Research Medical Entomology (CRME, ICMR), Madurai	Oct. 18 & 19, 2011	Oral Presentation	Statistical analysis of Microarray Data of Aedes aegypti for Vector Control Management
2.	5th Conference on Medical Arthropodology	Centre for Research Medical Entomology	Oct. 18 & 19, 2011	Poster Presentation	Homology Modeling and Prediction of

S. No.	Programme & Theme	Organized by	Date	Participated/ Presented	Title of the Paper
		(CRME, ICMR), Madurai			Epitopes in E1 Glycoprotein of Chikungunya virus
3.	International conference on Science, Society and Sustainability	Lady Doak College, Madurai	Jan. 11 - 13, 2012	Poster presentation	Classifying Butterflies of Lady Doak College campus by barcoding
4.	6th Conference of Medical Entomology	Centre for Research Medical Entomology (CRME, ICMR), Madurai	Oct. 18 - 19, 2012	Oral Presentation	Identification of Sequence Motifs of Envelope Glycoprotein Involved in Dengue Virus-Vector Interactions
5.	6th Conference of Medical Entomology	Centre for Research Medical Entomology (CRME, ICMR), Madurai	Oct. 18 - 19, 2012	Poster Presentation	Detection of Polymorphism of mtDNA COI in Culex quinquefasciatus by Single Strand Conformation Polymorphism (SSCP)
6.	Conference on Recent Advances in Computational Drug Design	Indian Institute of Science and Schrodinger, Bangalore	Sep. 16 - 17, 2013	Poster Presentation	Polarized Docking of Peptide Inhibitors on the Envelope Glycoprotein of Dengue Virus
7.	International Symposium on Reasserting Microbial Biotechnology to Deflate Global Disease Burden	Manonmaniam Sundranar University	Sep. 28 & 29, 2015	Oral Presentation	Synthesis of peptides and production of anti-peptide antibodies against Dengue virus

10. Participated on National/International Seminars, Workshops, Conferences & Symposiums

S. No.	Programme & Theme	Organized by	Date
1.	International Conference on "Biocontrol and Biotechnology"	Lady Doak College	Nov 27 - 29, 2006
2.	National Seminar on New Trends in Bioinformatics"	Bharathiar University, Coimbatore	Feb12, 2007
3.	Workshop on Modern biology of Genomic sciences	School of Biotechnology, Madurai Kamaraj University	Mar. 26 & 27, 2007
4.	National Symposium on Applications of Systems Biology	Lady Doak College	Jan. 10 & 11, 2008
5.	Patent awareness Program	Yadava College	Apr. 09, 2008
6.	National level workshop on Micro arrray, Micro arrray Data analysis and Systems Biology	Maharani Ammani College and Institute of Computational Biology, Bangalore	Sep. 18 - 21, 2008.
7.	Two Days workshop in ADME Toxicity Testing	Lady Doak College	31st Mar. 31 & Apr. 01

S. No.	Programme & Theme	Organized by	Date
			2009
8.	International Conference on Advancement of Nanoscience and Nanotechnology	Department of Nanoscience and technology, Alagappa University, Karaikudi	Mar. 01 - 03, 2010
9.	Workshop on Biological Data handling	Lady Doak College	Jan. 16 - 19, 2013
10.	International symposium	Fatima college	Dec. 16, 2013
11.	International Conference on "Solutions to Ecological Challenges: Multidimensional Perspectives"	Fatima College	Dc. 11 - 13, 2014
12.	International Symposium on 'Emerging trends on Biochem - Nutracueticals'	Departments of Chemistry, Zoology, & Home Science with Food Biotechnology, Fatima College	Dec. 04, 2015
13.	Intellectual Property rights	Fatima College	Dec. 10, 2016

11. Projects Undertaken

S. No.	Title of Project	Position	Sponsored By	Date & Year	Sanctioned Amount
1.	Development and characterization of anti-peptide antibodies	-	UGC	2017 – 2019	1,50,000/-

12. Foreign Countries Visited on Academic Assignments/Training/Invited Programme

- Visiting researcher (Feb and March, 2016) in the Department of microbiology and immunology, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand.

Any other

1. Manuals prepared

- J.Asnet Mary, Bioinformatics – instruction manual for UG students
- J.Asnet Mary & R.Shenbagarathai, Workshop manual for "Biological Data mining in clinical research".

2. Programmes coordinated:

- Hands on training on Paper bags preparation on 16th Dec, 2014
- exhibition on "Reduce, Recycle and Reuse of Plastics" on 12th March, 2015
- one day seminar cum exhibition on 'solid waste management' on 31st Jan, 2018.
- Coordinated swachh bharat summer internship program for 15 days from 29th may,2018 to 13th june, 2018 at Kondayampatti village
- Organized World environmental day celebration on the theme of "BEAT PLASTIC POLLUTION" in Kondayampatti village on 5th June, 2018
- Organized skill training programme in collaboration with RUDSET, Madurai on 30th July 2018.
- Organized Awareness programme on "Entrepreneurship Awarenss program" in collaboration with SIPPO, Madurai from 11-13 September, 2018.
- Convenor of three day 'Train the Trainer' National workshop on creating alternative digital teaching learning environment in higher education institutions sponsored by United Board for Christian Higher Education in Asia (UBCHEA) from 6th to 8th September, 2018.

- Organized skill training programme on “Mushroom cultivation” in Collaboration with V Tech mushroom Farm on February 8, 2019.
- Organized skill training programme on “Wood Pressed Oil Extraction methods” on 23rd, January, 2019 and 6th February, 2019.
- Organized a skill training programme on “Edible oil extraction by tradational method” on 14th august, 2019 for college students.

3. PROJECTS GUIDED:

- In Silico Epitope Prediction and Cloning of Chikungunya Viral Epitope in E.Coli Dh5α
- Protein Engineering of Cellulase Gene of Bacillus Subtilis to Improve Its Thermostability
- Computational Prediction of Mirna in Medaka Genome.
- Computational Prediction of SRNA in Streptomyces Avermitilis.
- In Silico Analysis of Vaccine Candidate Identification in Salmonella Typhi Plasmid R27.
- Homology Modeling of Outer Membrane Protein in Salmonella Typhi.
- In Silico Drug Docking for Triose Phosphate Isomerase in Plasmodium Falciparum.
- A Comparative Genomic Approach to Prediction of SRNA in Streptomyces Coelicolor.
- Homology Modeling of Nonstructural Poly Protein 2 in Chikungunya Virus S27 African Prototype.
- DNA Barcode of South Indian Fishes.
- Microbial Diversity Study in Various Soil Samples