

Resume

Dr. S. Usha

Assistant Professor
Department of Bioinformatics

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Current Area of Research

Two to Three Specialization Areas Computational Drug Discovery, Bioprogramming, Structural Bioinformatics

SCOPUS ID:		Researcher ID:		Google Scholar ID:	sXl6ddcAAAAJ	VIDWAN ID:	
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Education

Ph.D. (2015) – Bharathidasan University, Tiruchirappalli, Tamilnadu, India

M.Sc. (Year) – Annamalai University, Annamalai Nagar, Chidambaram, Tamilnadu, India

Professional Experience (In Chronological Order after Ph. D. onwards)

Designation: Department of, Name of the University, Place, Country, (Period From-To)

Post Doctoral Fellow Department of Bioinformatics 18.09.2015 To 21.11.2016
 Alagappa University
 Karaikudi, Tamilnadu, India

Assistant Professor Department of Bioinformatics 22.11.2016 To Till Date
 Bharathiar University
 Coimbatore, Tamilnadu, India

Additional Responsibilities (In Bharathiar University)

Name of the Position only

Awards/Fellowships

Name of the Award, Awarding Agency, Purpose of the Award, Month and Year

UGC-Dr. D. S. Kothari Post Doctoral Fellowship, University Grants Commission, Post Doctoral Fellowship, August 2015

Best Women Faculty Award, Nature Science Foundation, For Academic Excellence, August-2018

Best Poster Award, Department of Bioinformatics, Alagappa University, Karaikudi, 8th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD'2016), February, 2016

Foreign Countries Visited:

Last Updated on February 13, 2020

Only name of the Countries

Sponsored Projects

Completed : Number of Projects (Total Amount in Lakhs)
Ongoing : Number of Projects (Total Amount in Lakhs)

Research Guidance

Ph.D. : Completed – xx ; Ongoing - 2; M. Phil. : Completed -xx; Ongoing – xx
M. Sc. : 7 PG Diploma – xx

Research Publications

Journals: International: 8 National: xx Reports: xx
Conference Papers(Presented):International : xx National: xx
Books :xx Book Chapters : 4

Citation

Total Number of Citations : 9 (as on 02/2020); h-index – 2

Five Significant/Recent Publications

- Title of the paper in Capitalize each word, Author name with initial first, Journal Name in capitalize each word, Volume number (bold), Starting Page number – Ending Page Number and year in bracket.
1. STRUCTURE-WISE DISCRIMINATION OF CYTOSINE, THYMINE, AND URACIL BY PROTEINS IN TERMS OF THEIR NONBONDED INTERACTIONS, S.Usha& S. Selvaraj , JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, **32**, 1686 – 1704 (2014).
 2. STRUCTURE-WISE DISCRIMINATION OF ADENINE AND GUANINE BY PROTEINS ON THE BASIS OF THEIR NONBONDED INTERACTIONS,S.Usha& S. Selvaraj , JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, **33**, 1474 – 1492 (2015).
 3. PREDICTION OF KINASE-INHIBITOR BINDING AFFINITY USING ENERGETIC PARAMETERS,S.Usha& S. Selvaraj , BIOINFORMATION, **12**, 172 – 181(2016).
 4. IMPORTANCE OF FLUCTUATING AMINO ACID RESIDUES IN FOLDING AND BINDING OF PROTEINS, R.Senthil,S.Usha&K.M.Saravanan, AVICENNA JOURNAL OF MEDICAL BIOTECHNOLOGY,**11**, 339-343(2019).
 5. STRUCTURE-BASED DRUG DESIGN OF PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR GAMMA INHIBITORS: FERULIC ACID AND DERIVATIVES,R. Senthil, M. Sakthivel, &S. Usha, JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, 1-47 (2020).

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