

Dr. A. S. Maheshwari

Associate Professor

Educational Qualification

Ph. D. (Bioinformatics)

PGDBI (Bioinformatics)

M. Tech. (Biotechnology)

B. Tech. (Electrochemical Engg. & Tech.)



Experience

UCE-BIT Campus, Anna university, Tiruchirappalli (>17 years)

Research area of interest

Protein Engineering, Bioinformatics, Bio-batteries

Academic Research

Number of M.Tech. (Guided): 12

Students Funded project: 03

Publications

Contents	National	International	Others
Book Chapter	01	01	-
Book Chapter (Scientific Tamil)	01	01	03
Online Database entry	-	-	01
Resource person	-	-	08
AIR, Trichy (Scientific Tamil)	-	-	02
Thirukkural based Book chapters (Tamil)	-	-	05
Tamil literature (Ebooks)	-	03	-

Maheshwari AS, Sridharan D, Molecular insights from α -synuclein aggregates and bend mutants: Imminent perspectives on electrochemical analyses of distinct real time electronic

signals produced by folding variations, International Journal of Medicobiological Research, 1, 394-399, 2014.

Maheshwari AS, Rajesh D, Padmanabhan P, Archunan G, Effect of mutation on aggregation propensity in homology model structures of syntaxin-3 from Homo sapiens, Indian Journal of Biochemistry & Biophysics, 51, 335-342.4, 2014.

Maheshwari AS, Archunan G, Engineered thermal stable protein/enzyme mutants from chemical and thermodynamic perspectives, Journal of Chemical and Pharmaceutical Sciences, Special Issue 4, 148-151, 2014.

Maheshwari AS, Archunan G, Mutational effect of structural parameters on coiled-coil stability of proteins, Proteomics Insights, 6, 1-6, 2013.

Maheshwari AS, Archunan G, Distribution of amino acids in functional sites of proteins with high melting temperature, Bioinformation, 8, 1176-1181, 2012.

Programmes attended / organized

Sl. No.	Programmes	Attended	Organized	Co-organized
1	Orientation course	01	-	-
2	Refresher course	02	-	-
3	> one week	05	03	01
4	< one week	13	-	04
5	Cultural programmes	-	02	05

Subjects Handled

Theory Subjects: Advanced genomics and Proteomics, Advanced Bioprocess Engineering, Biochemistry, Biochemical Engineering, Bioinformatics, Bioinformatics and applications, Biophysics, Bioreactor Design, Chemical Engg. Mechanical Operation Computational Biology, Enzyme Tech. & Biotransformation, Microbiology, Separation Technology, Protein Engineering

Practical Subjects: Biochemical Engineering, Biochemistry, Bioinformatics, Bioprocess Engineering, Bioprocess I & II, Cell Biology, Computational Biology, Downstream processing, Microbiology

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