

**DEPARTMENT OF ZOOLOGY  
2015-2021**

**RESEARCH PROJECTS CARRIED OUT IN THE DEPARTMENT**

<b>S.No.</b>	<b>Faculty Name</b>	<b>Title of the Project</b>	<b>Duration</b>	<b>Type of the Project</b>	<b>Name of the Funding Agency</b>	<b>Amount Sanctioned</b>	<b>Any JRF /SRF/staff appointed in this project</b>
1.	Dr.K.Manimegalai	Automatic method for classification of grasshopper using convolutional neural network	One year (3.05.2021 sanctioned)	Centre for Machine Learning and Intelligence, DST-CURIE-	Core Research Grant for Artificial Intelligence, Under the purview DST-CURIE	Rs. 39,000/-	M.Suganya, 18PHZOF001 Ph.D., Research Scholar
2.	Dr.K.S.Santhy	Predicting effect of missense variants associated with acute myeloid leukemia(AML) using machine learning via extended amino acid and nucleotide features	One year (3.05.2021 sanctioned)	Centre for Machine Learning and Intelligence, DST-CURIE-	Core Research Grant for Artificial Intelligence, Under the purview DST-CURIE	Rs. 39,000/-	R.Nithya 19PHZOF001 Ph.D, Research Scholar

3.	Dr. G. Maheswari	Detection of Stored grain Pests and its Classification using Deep Learning and Machine Learning Techniques	One year (3.05.2021 sanctioned)	Centre for Machine Learning and Intelligence, DST-CURIE-	Core Research Grant for Artificial Intelligence, Under the purview DST-CURIE	Rs. 79,000/-	M.S. Santhanambika 19PHZOF006 Ph.D, Research Scholar
4.	Dr.C.A.Annapoorani	Image Analysis of Groundnut Pests using Artificial Neural Network	One year (3.05.2021 sanctioned)	Centre for Machine Learning and Intelligence, DST-CURIE-	Core Research Grant for Artificial Intelligence, Under the purview DST-CURIE	Rs. 64,000/-	M.Sindhu, 19PHZOF004 Ph.D, Research Scholar
5.	Dr.K.Manimegalai	Smart Phone Image For Identification of Mosquito Species Using Artificial Neural Network	18.12.2019 to 25.05.2020	In house	DST-CURIE- AI	Rs.27,000+95,000	-

6.	Dr. K. S. Santhy	Integrated analysis of gene expression and genome wide DNA methylation for uterine leiomyoma prediction ; an association rule mining	18.12.2019 to 25.05.2020	In house	DST-CURIE- AI	Rs.30,000	-
7.	Dr. M. Poonkothai	Identification of algae using AI approach in textile dye removal	18.12.2019 to 25.05.2020	In house	DST-CURIE- AI	Rs.26,000+95,000	-
8.	Dr. M. Poonkothai	Artificial Intelligence – A gadget to recognize fungi in the spoilt bread	18.12.2019 to 25.05.2020	In house	DST-CURIE- AI	Rs. 22,000	-
9.	Dr.K.S.Santhy	In silico approach to analyze the disease associated	09.10.2020 to 30.01.2021	National	Technology Enabling Centre (TEC), Mizoram University funded by	Rs. 32,000/-	-

		nsSNPs of MMP2 Protein			DST, New Delhi,		
10.	Dr.K.Manimegalai and Dr.C.A.Annapoorani	“Distribution and population dynamics of vector and non- vector species of mosquitoes prevalent in selected areas of Coimbatore using GIS”	04.01.2019 to 04.05.2019	In house project	UGC Block Grant, PFMS	Rs. 30,000/-	-
11.	Dr.K.S.Santhy	Characterization and Molecular docking studies of the plant, <i>Alpinia galanga</i>	01.02.2017 to 30.10.2017	Consultancy project	Enovate Biolife Pvt. Ltd, Mumbai	Rs. 2,25,000	Research Associate
12.	Dr. G. Maheswari	Evaluation of Anti-diabetic properties of <i>Stevia rebaudiana Bert.-</i> In vivo	From 04.12.2017 To 31.03.2018	In house project	UGC (In house)	Rs. 20,000/-	-

13.	Dr.K.S.Santhy and M.Poonkothai	Creating awareness among the tribal women of Maruthamalai on the pharmacognostic properties of Rudraksham tree, <i>Elaecarpus</i> sp.,	05-12-2016 to 30.03.2017	In house project	UGC(In house)	Rs.30,000/-	-
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