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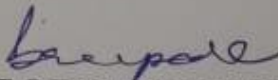
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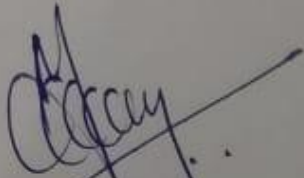
CERTIFICATE

This is to certify that **Ms. Akshitha (Reg. No. 201631464101)** M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled “**EVALUATION OF EFFICACY OF USHEERASAVA ON TEMPERATURE INDUCED STRESS IN *Drosophila melanogaster***” for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 17 - 09-2022


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Mangalore University
Mangalagangothri



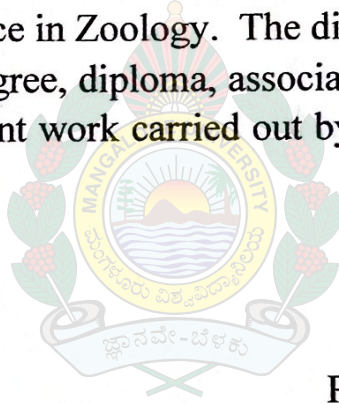
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CERTIFICATE

This is to certify that **Ms. ANUPAMA K G** (Reg. No. 201631464104) M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "POPULATION DENSITY OF DIFFERENT MOSQUITOES SPECIES IN COW SHED." for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.



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DATE: 17 - 09-2022

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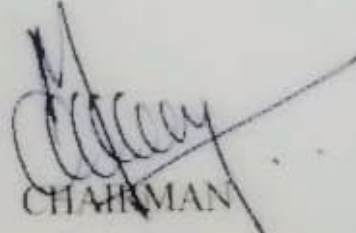
CERTIFICATE

This is to certify that Ms. **ARPITHA G P** (Reg. No. 201631464105) M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "**SENSORY ECOLOGY IN THE CONTEXT OF FORAGING IN FREE-RANGING DOGS**" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 17/09/2022


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CERTIFICATE

This is to certify that Ms. **Avvammath Shamna** (Reg. No. 201631464106) M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled “**Ant Diversity in Adka Village, Kasaragod District**” for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

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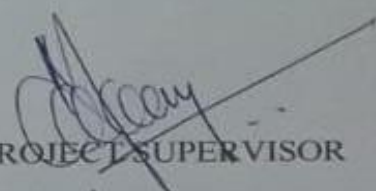
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CERTIFICATE

This is to certify that Ms BHAVANA K N (Reg. No. 201631464107) M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "POPULATION DENSITY OF DIFFERENT SPECIES OF MOSQUITOES IN MANGLORE UNIVERSITY CAMPUS" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship, or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 13-09-2022


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CERTIFICATE

This is to certify that Ms. FATHIMATH SHAFEEKA (Reg. No. 201631464110) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "Screening of mushroom extract for their insect repellent property using *Drosophila melanogaster*" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 17-09-2022

PROJECT SUPERVISOR

Dr. Shamprasad Varija Raghu

Ramalingaswami Fellow (DBT)

Dept. of Applied Zoology

Mangalore University, Mangalagangothri - 574 199

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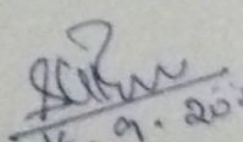
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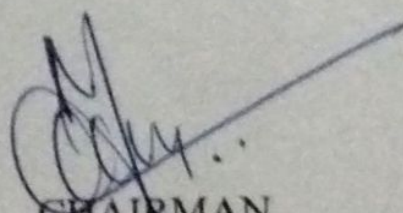
CERTIFICATE

This is to certify that Ms. G.S. SAHANA (Reg. No. 201631464111) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "Fruit peels as efficient adsorbents for removal of heavy metals from edible clam and crab" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 14 - 09 - 2022


16.9.2022
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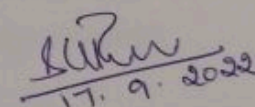
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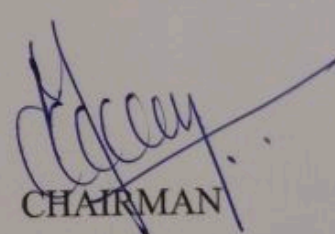
CERTIFICATE

This is to certify that Ms. **GOWRI KUDPAJE** (Reg. No. **201631464112**) M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "**Study on chemical constituents of cultivated, wild and commercial honey**" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 17/09/2022


17. 9. 2022
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Department of Applied Zoology
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Mangalagangothri



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CERTIFICATE

This is to certify that **Ms. Gowrishree.H.O (Reg. No. 201631464113)** M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled **“A Study on Body Mass Index and its Association with Blood group and Routine habits of Mangalore University Campus Students”** for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

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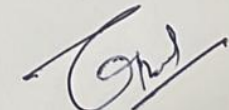
This is to certify that Ms.H. **THEJASWINI (Reg. No. 201631464114)** M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "**Insecticidal properties of wild shrubs and its evaluation in *Drosophila melanogaster***" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

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Mangalagangothri


PROJECT SUPERVISOR

Dr. Shamprasad Varija Raghu
Ramalingaswami Fellow (DBT)
Dept. of Applied Zoology
Mangalore University, Mangalagangothri - 574 199



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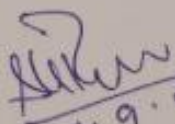
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CERTIFICATE

This is to certify that Ms. **JINI.C.B** (Reg. No. **201631464115**) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled “**Comparative study of chemical components in various honey samples**” for the partial fulfillment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

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MANGALAGANGOTTHRI- 574 199

PHONE: 0824-2287373 (OFFICE)

CERTIFICATE

THIS IS TO CERTIFY THAT THE PROJECT WORK ENTITLED "MODELLING OBESITY IN *DROSOPHILA*" IS A BONAFIDE WORK OF Mr KEITH DAVIN XAVIER NETTO BEARING REGISTER NUMBER 201631464117 TOWARDS THE PARTIAL FULFILLMENT OF THE MASTER'S DEGREE IN ZOOLOGY, MANGALORE UNIVERSITY – CARRIED OUT UNDER THE GUIDANCE OF Dr SHAMPRASAD VARIJA RAGHU, RAMALINGASWAMI FELLOW, DEPARTMENT OF APPLIED ZOOLOGY, MANGALORE UNIVERSITY. THIS WORK IS ORIGINAL AND HAS NOT BEEN SUBMITTED IN PART OR FULL TO ANY OTHER UNIVERSITY FOR ANY OTHER WORK IN DEGREE OR DIPLOMA.

Dr. SHAMPRASAD VARIJA RAGHU
Ramalingaswami Fellow (DBT)
Dept. of Applied Zoology
Mangalore University, Mangalagangothri - 574 199

CHAIRMAN
28/9/22
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Department of Applied Zoology
Mangalore University
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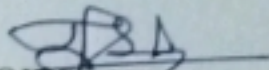
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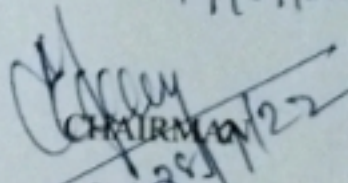
CERTIFICATE

This is to certify that Ms. KOMAL SURVE (Reg. No. 201631464118) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "A STUDY ON DIVERSITY OF BUTTERFLIES IN BANTWAL TALUK" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 17 - 09-2022


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17/09/2022


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CERTIFICATE

This is to certify that **Mr. Kumara Subrahmanya M.** (Reg. No. 201631464119) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "***Drosophila Model System to Test Insecticidal Properties of Wild Shrubs***" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 14 - 09-2022

PROJECT SUPERVISOR

Dr. Shamprasad Varija Raghu

Ramalingaswami Fellow (DST)

Dept. of Applied Zoology

Mangalore University, Mangalagangothri - 574 138

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Mangalore University
Mangalagangothri



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CERTIFICATE

This is to certify that **Mr. Manishchandra P G (Reg. No. 201631464120)** M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "**Evaluation of mushroom extracts in *Drosophila* for its insecticidal properties**" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 14-09-2022


Dr. Champrasad Varjia Raghu
PROJECT SUPERVISOR
Ramalingaswami Fellow (DST)
Dept. of Applied Zoology
Mangalore University, Mangalagangothri - 574 199


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Department of Applied Zoology
Mangalore University
Mangalagangothri



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CERTIFICATE

This is to certify that Ms.Namitha (Reg. No. 201631464121) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "**Impact of Human Intervention on Water Quality of Kumaradhara River in Kukke Subramanya and Netravati River in Dharmasthala**" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PROJECT SUPERVISOR

PLACE: Mangalagangothri

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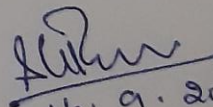

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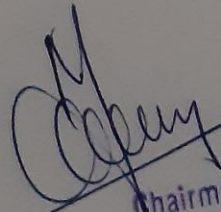
This is to certify that Ms. **P. PALLAVI PRABHU** (Reg. No. 201631464122) M. Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled **“Evaluation of the adsorption efficiency of biodegradable adsorbent in the removal of heavy metal from edible crab and clam”** for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 14-09-2022


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CERTIFICATE

This is to certify that **Mr. Pavan Kumara C K** (Reg. No. 201631464123) M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "**Assessment of physicochemical parameters and Ichthyofauna of Shambhavi river estuary, Mulky, Karnataka.**" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

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CERTIFICATE

This is to certify that **Mr. Prathap** of IV semester of M.Sc. Zoology (Reg No201631464124.) has satisfactorily completed a Project Work entitled “**Assessment of Physio-chemical parameters of Netravati river**” under the supervision of **Ms Pratibha bhat**, Department of Applied Zoology, during the year 2021-22.

This is for partial fulfilment of the M. Sc. Degree in Zoology under the course, ZOP 552: Project Work. It is further stated that this work has not been submitted in part or full to any other University or Institution for the award of any degree or diploma.

Project Supervisor

Chairman
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Department of Applied Zoology
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Mangalagangothri

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Place: Mangalagangothri



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Date: 17-09-2022

Place: Mangalagangothri

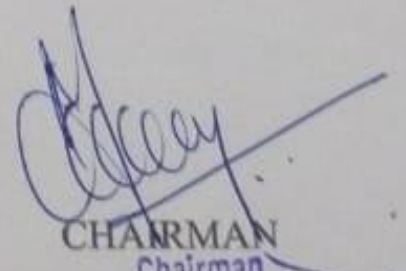
Signed of the candidate

This is to certify that **Mr. RAMANARAYNA BHAT A** (Reg. No. **201631464125**) M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled **"HETEROCERA DIVERSITY OF MANGALORE UNIVERSITY CAMPUS"** for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 17-09-2022

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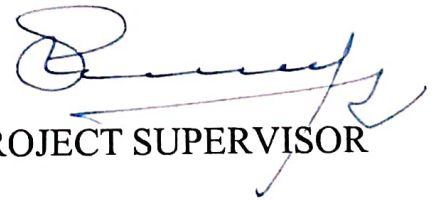
DEPARTMENT OF APPLIED ZOOLOGY

CERTIFICATE


This is to certify that **Ms.Ranjani M S** (Reg. No. **201631464126**) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled “**Orthopteran Diversity of Mangalpady Village, Kasaragod District**” for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: - 09-2022



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Department of Applied Zoology
Mangalore University
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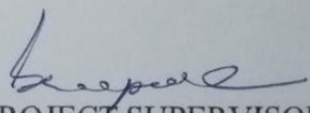
DEPARTMENT OF APPLIED ZOOLOGY

CERTIFICATE

This is to certify that **Ms. Rekha Heddu Harikantra** (Reg.No. 201631464127) M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled **“Fishery resources from traditional fishery activity in the selected places of Karwar coast”** for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 17-09-2022


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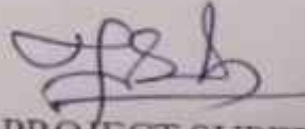
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CERTIFICATE

This is to certify that Ms. S V Nanditha (Reg. No. 201631464128) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "Diversity and distribution of mosquito species in different habitats in Areca nut plantation of Uruvalu village and Larvicidal property of Orange peel extract" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

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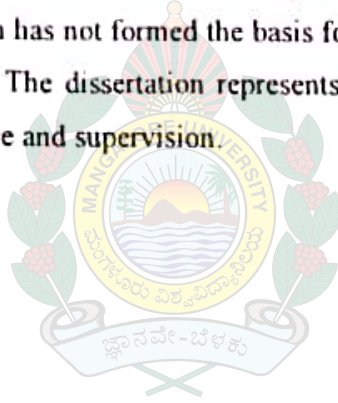
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CERTIFICATE

This is to certify that Mr. Sandeep S (Reg. No. 201631464129) M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed project entitled "Assessment of physico-chemical parameters and Ichthyofauna of manavathi river estuary, Byndoor, Karnataka." for the partial fulfilment of the Master Science in Zoology The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

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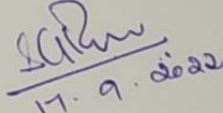
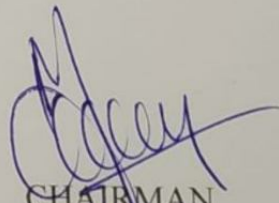
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CERTIFICATE

This is to certify that Mr. **SANDESHA BHAT P** (Reg. No. **201631464130**) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "**MORPHOLOGICAL VARIATIONS IN MOTHS OF MANGALORE UNIVERSITY CAMPUS**" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

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This is to certify that Ms SHREELATHA A (Reg. No. 201631464133) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "PREVALENCE OF PARASITES OF DOGS IN BELLARE VILLAGE" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 17 - 09-2022


PROJECT SUPERVISOR


CHAIRMAN
Chairman
Department of Applied Zoology
Mangalore University
Mangalagangothri



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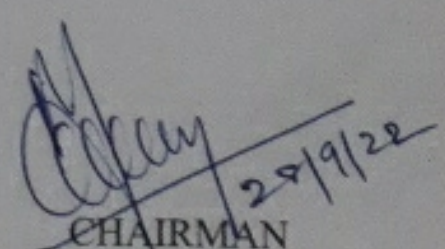
This is to certify that Mr. **SHRINIVAS** (Reg. No. 201631464134) M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "A STUDY ON COURTSHIP AND MATE CHOICE BEHAVIOURS IN ZEBRAFISH (*Danio rerio*)" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 17-09-2022


PROJECT SUPERVISOR

16/09/2022


CHAIRMAN

Chairman

Department of Applied Zoology
Mangalore University
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DEPARTMENT OF APPLIED ZOOLOGY

CERTIFICATE

This is to certify that **Ms. Spoorthi (Reg. No. 201631464135)** M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled “**Evaluation of efficacy of Ashwagandharista on temperature induced stress in *Drosophila melanogaster***” for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship, or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 14-09-2022


PROJECT SUPERVISOR


CHAIRMAN

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Department of Applied Zoology
Mangalore University
Mangalagangothri

CANDIDATE DECLARATION

I, **Spoorthi** declare that the project work entitled “**Evaluation of efficacy of Ashwagandharista on temperature induced stress in *Drosophila melanogaster***” submitted by me to Department of Applied Zoology, Mangalore University, in partial fulfilment for the award of degree of Master of Science in Zoology is a record of original work carried out by me under the supervision of **Prof. Sreepada K.S**, Department of Applied Zoology, Mangalore University. I further declare that this project work has not been submitted to any other University or institution for the award of any degree.

Date: 14-09-2022

Place: Mangalagangothri



Spoorthi

Signature of the candidate

Register No: 201631464135



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CERTIFICATE

This is to certify that Ms. **SRUSHTI**(Reg. No. **201631464136**) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "**Bioactive Metabolites from Marine Derived microorganisms.**" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

PROJECT SUPERVISOR

DATE: 14-09-2022

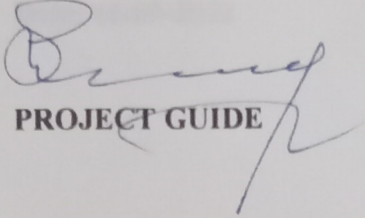
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Mangalore University
Mangalagangothri

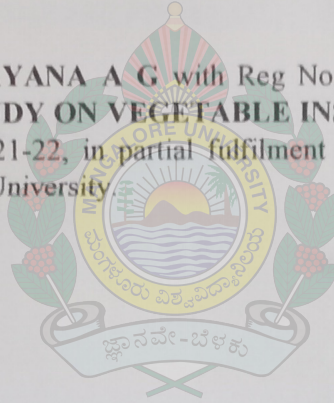


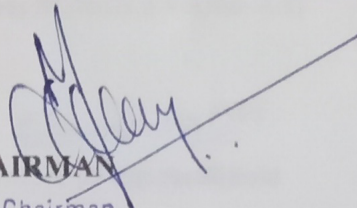
MANGALORE UNIVERSITY
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CERTIFICATE

This is to certify that Ms **SUNAYANA A G** with Reg No. **201631464137** has satisfactorily completed a project entitled "**STUDY ON VEGETABLE INSECT PESTS OF NEKKILADY VILLAGE**" during the year 2021-22, in partial fulfilment of the requirements for the MSc degree in Zoology of Mangalore University


PROJECT GUIDE




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PLACE: Mangalagangothri

DATE: 16-09-2022



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CERTIFICATE

This is to certify that **Ms. SWASTHIKA (Reg. No. 201631464138)** M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "**COMPARATIVE ANALYSIS OF MILK PROPERTIES OF INDIGENOUS AND EXOTIC CATTLE BREEDS IN AND AROUND UDUPI DISTRICT**" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 17 - 09-2022


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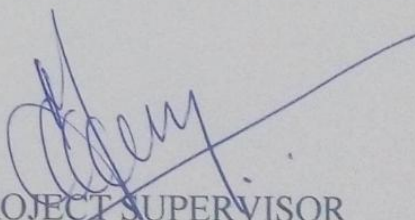
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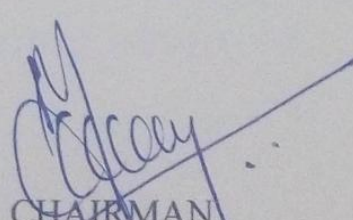
CERTIFICATE

This is to certify that Ms. **THOSHITHA. C. GOWDA** (Reg. No. **201631464139**) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "**Population density of different species of mosquito in Panambur**" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

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CERTIFICATE

This is to certify that Ms VARSHA M N (Reg. No. 201631464140) M.Sc (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "BROODSTOCK DEVELOPMENT AND INDUCED BREEDING OF *Dawkinsia denisoni*?" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 17 - 09-2022

PROJECT SUPERVISOR

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Chairman
Department of Applied Zoology
Mangalore University
Mangalagangothri



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CERTIFICATE

This is to certify that **Mr. Vishnu Shreevara Bhat. K** (Reg. No. **201631464141**) M.Sc. (IV Semester) Zoology, Department of Applied Zoology, Mangalore University has satisfactorily completed a project entitled "**Study Of High-Fat Diet Induced Obesity In *Drosophila***" for the partial fulfilment of the Master of Science in Zoology. The dissertation has not formed the basis for the award of any degree, diploma, associateship or fellowship. The dissertation represents independent work carried out by the candidate under my guidance and supervision.

PLACE: Mangalagangothri

DATE: 16/09/2022

PROJECT SUPERVISOR **Raghu**

Dr. Shamprasad Varja Raghu

Ramalingaswami Fellow (DRF)

Dept. of Applied Zoology

Mangalore University, Mangalagangothri - 574 199

Chairman
Department of Applied Zoology
Mangalore University
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