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CERTIFICATE

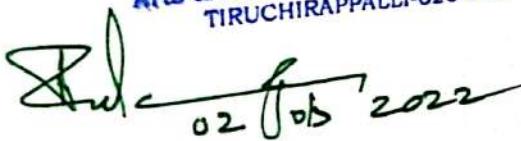
This is to certify that the dissertation entitled "**SURVEY OF AVIAN FAUNA IN MANIVILUNDHAN, SALEM, TAMILNADU, INDIA**" is a bonafide record of research work done by **ARUN M., Reg.No.20PZO01**, submitted to Thanthai Periyar Government Arts And Science College (Autonomous), Tiruchirappalli, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN ZOOLOGY** during the year **2020-2022** in the Department of Zoology, under my guidance and supervision. The dissertation has not previously formed the basis for the award to the candidate of any Degree, Diploma, Associateship, Fellowship or any other similar titles.


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This is to certify that the dissertation entitled “ Analysis Of Water Quality Parameters Of Ponnaniyar Dam In Karur District Of Tamilnadu” India submitted by Mr. B. DILIP (Reg. No. 20PZO02) in partial fulfillment of the requirements for Post Graduate Degree in Zoology is his original work, based on the observations carried out independently by him during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or other similar title.

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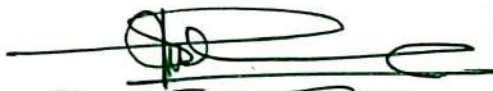
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This is to certify that this project work entitled *“Study on Bacterial cellulose produced by Bacillus subtilis bacteria before and after cold storage”* submitted to Thanthai Periyar Government Arts and Science College (Autonomous) by V. Gunasekar (Reg.No: 20PZO04) is in partial fulfillment of the requirements for the award of the degree of Master of Science by the BHARATHIDASAN UNIVERSITY, Thiruchirappalli. This is a bonafide work carried out by him under my supervision and guidance during the academic year 2020 – 2022.


Signature of the H.O.D

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CERTIFICATE

This to certify that the dissertation entitled **“BUTTERFLY BIODIVERSITY IN THIYAGADURGAM HILLS FROM KALLAKURICHI DISTRICT, TAMIL NADU, INDIA”** is the bonafide research work carried out by **M.KOMATEESWARAN (Register No:20PZO05)** in partial fulfillment of the requirement for the award of degree of **MASTER OF SCIENCE IN ZOOLOGY** during the year 2021-2022. Is this his original research work, based on the observation carried out independently by her during the period of study under my guidance and supervision. It is also certified that the above dissertation has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or any other similar tile.


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This is to certify that the dissertation entitled "Study on Water Quality Parameters of Gomukhi Dam in Kallakurichi District of Tamil Nadu, India" submitted by **Mr. K.MADHANKUMAR** (Reg. No. 20PZO06) in partial fulfillment of the requirements for Post Graduate Degree in Zoology is his original work, based on the observations carried out independently by him during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or other similar title.

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This is to certify that this project work entitled “*FTIR Characterization of Cellulose produced by Bacillus subtilis bacteria using different carbon source*” submitted to Thanthai Periyar Government Arts and Science College (Autonomous) by P. Madheshwaran (Reg.No: 20PZO20) in partial fulfillment of the requirements for the award of the degree of Master of Science by the BHARATHIDASAN UNIVERSITY, Thiruchirappalli. This is a bonafide work carried out by him under my supervision and guidance during the academic year 2020 – 2022.

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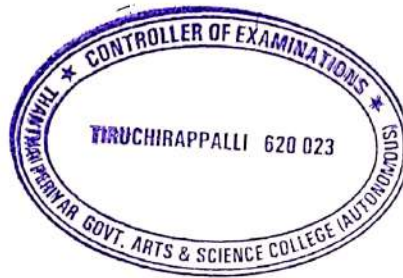
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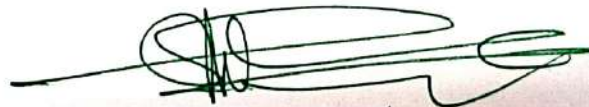
This is to certify that the dissertation entitled “ **Observations on Population ecology and foraging behavior of bonnet macaque (*Macaca radiata*) from the tourist destination Of Mukkombu, Trichirappalli, Tamilnadu**” submitted by **Mr. P. NAVEEN** (Reg. No. **20PZO08**) in partial fulfillment of the requirements for Post Graduate Degree in Zoology is his original work, based on the observations carried out independently by him during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or other similar title.



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This is to certify that the dissertation entitled “A Preliminary Qualitative Analysis of Planktonic Diversity on Singalandapuram Lake, Trichirappalli, Tamil Nadu” submitted by **PIRUTHIVIRAJAN S (Reg. No. 20PZO09)** in partial fulfillment of the requirements for Post Graduate Degree in Zoology is his original work, based on the observations carried out independently by him during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or other similar title.

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This is to certify that the dissertation entitled “ **IMPACT OF PROBIOTIC COSORTIUM AQUALACT ON LIVER AND KIDNEY MARKERS OF OREOCHROMIS MOSSAMBICUS**” submitted by Mr.R.PRADEEP BSc., in partial fulfillment of the requirements for Post Graduate Degree in Zoology, is her original work, based on the observations carried out independently by her during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar title.

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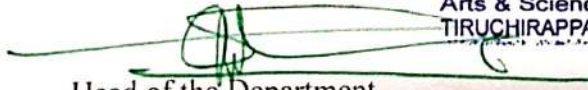
This is to certify that the dissertation entitled "EFFECTS OF SPIRULINA ON THE GROWTH PARAMETERS AND BIOCHEMICAL CONTENT OF *OREOCHROMIS MOSSAMBICUS* " submitted by Mr. S.RISHIKARAN, BSc., in partial fulfillment of the requirements for Post Graduate Degree in Zoology, is her original work, based on the observations carried out independently by her during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar title.

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**DEPARTMENT OF ZOOLOGY
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The project work embodied in this dissertation entitled
"BIODEGRADATION OF PAPER MILL TREATED EFFLUENT
USING INDIGENOUS EARTHWORM "*LAMPITO MAURITIP*" has
been carried out by *Mr. SRIRAM.S (Reg.No:20PZO13)* in the PG and
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affiliated to **BHARATHIDASAN UNIVERSITY, TRICHIRAPALLI.**
The work is original and has not been submitted in part or full to any
other degree or diploma of any university.


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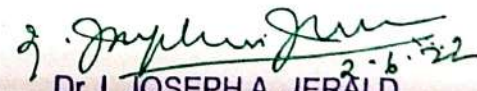

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Dissertation submitted for the evaluation held at Thanthai Periyar
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on 02.06.2022.


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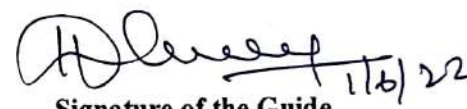
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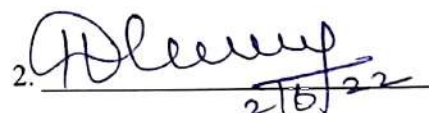
This is to certify that the dissertation entitled **mtDNA 9bp deletion and its impact on the Tobacco users in Eight Dravidian Tribal populations of south India** is a bonafide record of research work done by Mr. P.Yuvaraj (Reg No: 20PZO14), submitted to Periyar EVR College (Autonomous), Tiruchirappalli, in partail fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN ZOOLOGY** during the year **2020 to 2022** in the Department of Zoology, under my guidance and supervision. The dissertation has not previously formed for the basis for the award to any candidate for any Degree, Diploma, Associateship, fellowship or any other similar titles.


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2.  2/6/22






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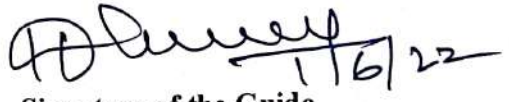
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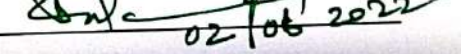
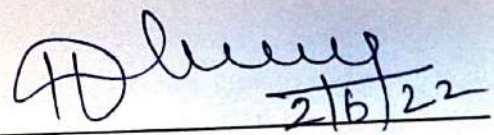
This is to certify that the dissertation entitled "Influence of mtDNA 9bp deletion polymorphisms on Diabetes in eight Tribal populations of south India" is a bonafide record of research work done by Mr. A.Arockiyasheeba (Reg No: 20PZO15), submitted to Thanthai Periyar Govt Arts And Science College (Autonomous), Tiruchirappalli, in partail fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN ZOOLOGY** during the year **2020 to 2022** in the Department of Zoology, under my guidance and supervision. The dissertation has not previously formed for the basis for the award to any candidate for any Degree, Diploma, Associateship, fellowship or any other similar titles.


Signature of the HOD
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This is to certify that the dissertation entitled "A study on Distribution of Grasshoppers in Grassland and Agriculture felids of Kovilpatti Village Tiruchirappalli District, Tamil nadu".submitted by (GAYATHRI.S 20PZO17) in partial fulfillment of the requirements for Post Graduate Degree in Zoology is his original work, based on the observations carried out independently by him during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associate ship,fellowship or other similar title.

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P.KRISHNAMOORTHY

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CERTIFICATE

This is to certify that the dissertation entitled "EFFECTS OF SPIRULINA ON THE GROWTH PARAMETERS AND BIOCHEMICAL CONTENT OF *OREOCHROMIS MOSSAMBICUS* " submitted by Ms. A. JANAPRIYANKA, BSc., in partial fulfillment of the requirements for Post Graduate Degree in Zoology, is her original work, based on the observations carried out independently by her during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar title.

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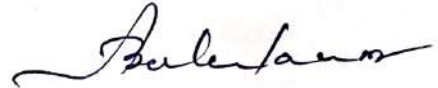


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This is to certify that the dissertation entitled "EFFECTS OF PROBIOTIC CONSORTIUM ON THE GROWTH PARAMETERS AND BIOCHEMICAL CONTENT OF *OREOCHROMIS MOSSAMBICUS* " submitted by Ms. A. PARVATHI, BSc., B.Ed., in partial fulfillment of the requirements for Post Graduate Degree in Zoology, is her original work, based on the observations carried out independently by her during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar title.

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CERTIFICATE

This is to certify that the dissertation entitled **Mitochondrial DNA 9bp deletion diversity and hypertension in eight Tribal Population of South India** is a bonafide record of research work done by Mr **C.SUGANYA** (Reg No: 20PZO21), submitted to Thanthai Periyar Govt Arts And Science College (Autonomous), Tiruchirappalli, in partail fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN ZOOLOGY** during the year **2020 to 2022** in the Department of Zoology, under my guidance and supervision. The dissertation has not previously formed for the basis for the award to any candidate for any Degree, Diploma, Associateship, fellowship or any other similar titles.


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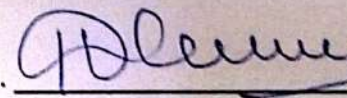
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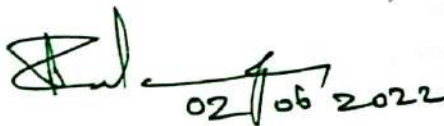
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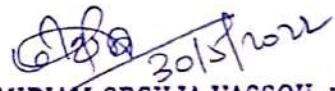

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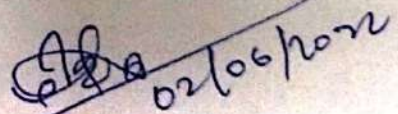
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The project work embodied in this dissertation entitled "STUDY OF "POLY CYSTIC OVARIAN DISEASE" (PCOD) AMONG THE GIRL STUDENTS OF THYANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE, TRICHIRAPALLI" has been carried out by *Ms. VIMALA. P (Reg.No:20PZO23)* in the PG and Research Department of Zoology, ThanthaiPeriyar Government Arts and Science College (Autonomous), Trichirappalli-620 023 affiliated to BHARATHIDASAN UNIVERSITY, TRICHIRAPALLI. The work is original and has not been submitted in part or full to any other degree or diploma of any university.


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