



Department: Department of Zoology

Academic Year: 2021-2022

Sr.no	Program code	Program name
1	310	M.Sc.

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**Effect of BDNF Val66Met genetic Polymorphism on Lithium
Prophylactic response in Bipolar Disorder: A Meta-analysis study**

A dissertation

Submitted in partial fulfillment

for

degree of M.Sc. in Zoology

Submitted by

Ms. Addhya Aishwarya Dash

Roll No. 20404002

Enrollment no. GGV/20/03402

Under supervision of

Dr. Rohit Seth

Associate professor

Department of Zoology



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This is to certify that the dissertation entitled “Effect of BDNF Val66Met genetic Polymorphism on Lithium prophylactic response- a Meta-analysis study” is based on the original work done and being submitted by Miss Addhya Aishwarya Dash, bearing Roll No –20404002, Enrollment No. GGV/20/03402 to the Department of Zoology, Guru Ghasidas Vishwavidyalaya (A Central University) for the award of the degree of Master of Science in Zoology, is a record of bonafide research work carried out by her under my supervision and guidance.

The matter presented in this dissertation has not been submitted for the award of any other degree of this or any other institute and it represents entirely an independent work of the candidate.


Dr. Rohit Seth

Place: Bilaspur

Date: 19/09/2022

Department of Zoology
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Prof. L.V.K. S. Bhaskar

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Head of the Department

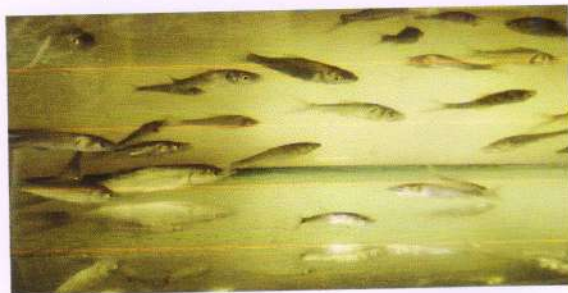
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HERBICIDE INDUCED HAEMATOLOGICAL AND BIOCHEMICAL CHANGES IN FISHES



Review paper

Submitted in partial fulfillment of the requirements for degree of
Master of Science
in Zoology

By

Akansha Ekka

Under the Supervision of

Dr. Sushant Kumar Verma

(Assistant Professor)



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This is to certify that **Ms. Akansha Ekka**, has worked on review paper entitled "**Herbicide induced Haematological and Biochemical changes in Fishes**" for M.Sc. (Zoology) degree under my supervision and this work has not been formed the basis for the award of any other degree.

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**Therapeutic potential of *Putranjiva roxburghii*
Wall. against carbon tetrachloride induced
hepatic injury in rats**



**Dissertation submitted
in partial fulfilment for degree of
M. Sc. in Zoology**

By

Mr. Akash Sahu

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Dr. Nisha Sahu
Assistant Professor (*Ad hoc*)
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**Therapeutic potential of *Putranjiva roxburghii*
Wall. against carbon tetrachloride induced
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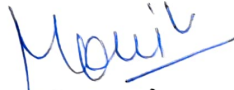
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Therapeutic potential of naringenin against acrylamide induced kidney damage in rats



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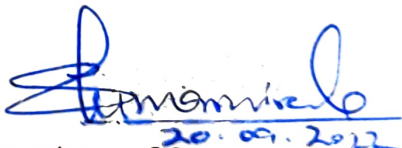
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**Therapeutic effect of *Putranjiva roxburghii* Wall.
against carbon tetrachloride induced
splenic injury in rats**



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in partial fulfilment for degree of
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Effect of Type 2 Diabetes on Rat Kidney



A

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VITAMIN D DEFICIENCY IN SICKLE CELL ANEMIA PATIENTS

A Project dissertation submitted
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By

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**ASSOCIATION BETWEEN REDUCED FOLATE
CARRIER 1 (RFC1) A80G POLYMORPHISM WITH
THE RISK OF NON-SYNDROMIC CLEFT LIP WITH
OR WITHOUT PALATE: A META-ANALYSIS**

A Project dissertation submitted
In partial fulfilment for degree of

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By

Ms. Archana Patel

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**Association between COMT Val158Met
polymorphism and development of preeclampsia: A
meta-analysis of the case control studies**

A

Project dissertation submitted

In partial fulfilment for degree of

M.Sc. Zoology

By

Babul Meher

Under Supervision of

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(Professor of Zoology)



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**A REVIEW ON ROLE OF TRADITIONAL
AYURVEDIC MEDICINAL PLANTS IN
REGULATION OF DIABETES**

A

Project dissertation submitted in partial fulfilment for
Degree of M. Sc. Zoology IVth Semester

By

BIJAYA MEHER

Under the supervision of

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(Assistant Professor, Department of Zoology, GGV)



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This is to certify that **Ms. Bijaya Meher** has worked on postgraduate dissertation project entitled “**A review on role of traditional ayurvedic medicinal plants in regulation of diabetes**” under my supervision for 3 months and this work has not been formed the basis for the award of any other similar title.

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**STUDY OF TOXIC EFFECT OF ALUMINUM CHLORIDE [AlCl₃] ON
BEHAVIOUR, HISTOLOGY, AND BIOCHEMICAL PARAMETERS
in Zebrafish (*Danio rerio*)**

A Project work submitted to
in partial fulfillment of the requirement for the award of the degree of
Master of Science in Zoology

By

Ms. Chitrarekha Patel

Roll No. 20404012

Enrollment no. GGV/20/03408

Under the supervision of

Dr. Gita Mishra

Assistant Professor

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Academic session 2020-2022



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(A Central university established by central university act 2009 no.25 of 2009)


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This is to certify that the dissertation entitled "*Study of Toxic Effect of Aluminum Chloride (AlCl₃) on Behaviour, Histology, and Biochemical Parameters in Zebrafish (Danio rerio)*" is based on the original work done and being submitted by Ms. Chitrarekha Patel bearing Roll No. – 20404012, Enrollment No. GGV/20/03408 to the Department of Zoology, Guru Ghasidas Vishwavidyalaya (A Central University) for the award of the degree of Master of Science in Zoology, is a record of bonafide research work carried out by her under my supervision and guidance.

The matter presented in this dissertation has not been submitted for the award of any other degree of this or any other institute and it represents entirely an independent work of the candidate.

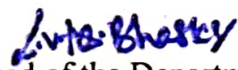
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Zebra fish as a model organism in the research of Epilepsy



A Project dissertation submitted in partial fulfillment for degree of

Master of Science in Zoology

By

Damini Jyoti Kaibarta

Under Supervision of

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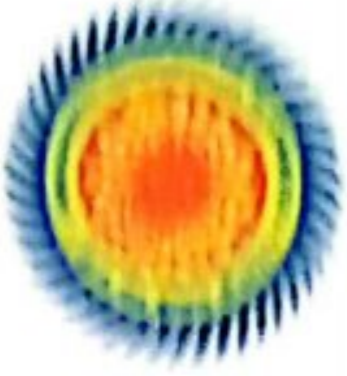


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Date: 19/09/2022

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No Association between COMT Val 158 Met Polymorphism and Alcoholism

A Project Dissertation

Submitted in Partial Fulfilment for Degree of

M.Sc. Zoology

By

DEEPLATA BARMAN

Under Supervision of

DR. NISHA SAHU

(Assistant Professor)



**DEPARTMENT OF ZOOLOGY GURU GHASIDAS
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2021-22

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CERTIFICATE

I certify that the dissertation entitled "No Association Between COMT Val 158 Met Polymorphism and Alcoholism" submitted for the partial fulfilment of M.Sc. Zoology by Ms. Deeplata Barman, is the record of research/review work carried out by her during the period from April to September 2022, under my supervision and that this research work has not formed the basis for the award of any degree, diploma, associate ship, fellowship or other similar titles in this University or any other University or institution.

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Place: Bilaspur

Signature of the supervisor

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SUSTAINABLE AQUACULTURE: AQUAPONICS



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Under the Supervision of
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This is to certify that **Ms. Devanwasha Pradhan** has on postgraduate dissertation project entitled “**Sustainable Aquaculture : Aquaponics**” under my supervision for 3 months and this work has not been formed the basis for the award of any other similar title.

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Thyroxine And Autoimmune Diseases

Λ

A Project dissertation submitted

In partial fulfillment for the degree of

M. Sc. Zoology IVth Semester

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This is to certify that **Ms. Dipali Thakur**, a student of M. Sc. IVth semester, Department of Zoology, Guru Ghasidas Vishwavidyalaya, has worked on post graduate dissertation project entitled **“Throxine and Autoimmune Diseases”** under my supervision for 3 months and this work has not been formed the basis for the award of any other similar title.

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**ANGIOTENSIN RECEPTOR AND PREECLAMPSIA
DURING PREGNANCY**

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It represents entirely independent work on the part of the candidate.

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**STUDY OF TOXIC EFFECT OF LEAD ACETATE [Pb(C₂H₃O₂)₂] ON
BEHAVIOUR, HISTOLOGY, AND BIOCHEMICAL PARAMETERS in
Zebrafish (*Danio rerio*)**

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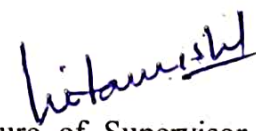
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This is to certify that the dissertation entitled "*Study of Toxic effect of Lead Acetate [Pb(C₂H₃O₂)₂] on Behaviour, histology, and biochemical parameters in Zebrafish (Danio rerio)*" is based on the original work done and being submitted by **Ms. Ipsita Patel** bearing **Roll No. – 20404019, Enrollment No. GGV/20/03412** to the Department of Zoology, Guru Ghasidas Vishwavidyalaya (A Central University) for the award of the degree of Master of Science in Zoology, is a record of the bonafide research work carried out by her under my supervision and guidance.

The matter presented in this dissertation has not been submitted for the award of any other degree of this or any other institute and it represents entirely an independent work of the candidate.

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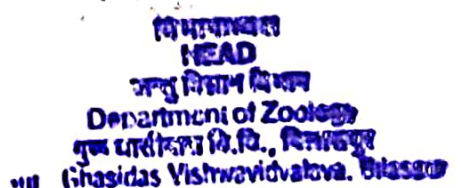
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Zebra fish as a model organism in the research of Epilepsy



A Project dissertation submitted in partial fulfillment for degree of

Master of Science in Zoology

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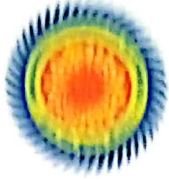


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09	Drug uptake in Zebrafish	28-29
10	Seizure Phenotyping Paradigms	30-31
12	Conclusion	33
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**A review on genotoxicity induced by herbicides in
fishes**



Review Paper

Submitted in partial fulfilment of the requirements for degree of

Master of Science

in Zoology

By

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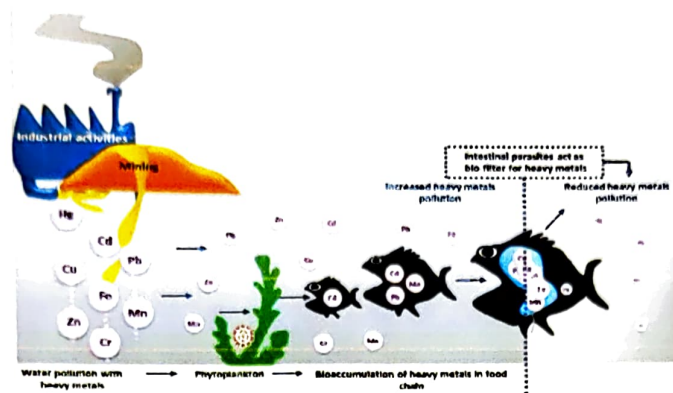
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EFFECT OF HEAVY METALS ON FISHES: SOURCE, BIO-ACCUMULATION AND TOXICITY



A

Project dissertation submitted

In partial fulfillment for degree of

M. Sc. Zoology IVth Semester

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Miss Lisha sahu

Under supervision of

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FISH DIVERSITY DISTRIBUTION AND CONSERVATION STATUS IN INDIAN CONTEXT



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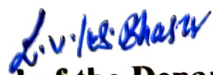
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**A REVIEW ON HERBICIDE INDUCED
REPRODUCTIVE AND BEHAVIOURAL CHANGES
IN FISHES**



Review Paper

Submitted in a partial achievement for the degree of
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By

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(Supervisor)

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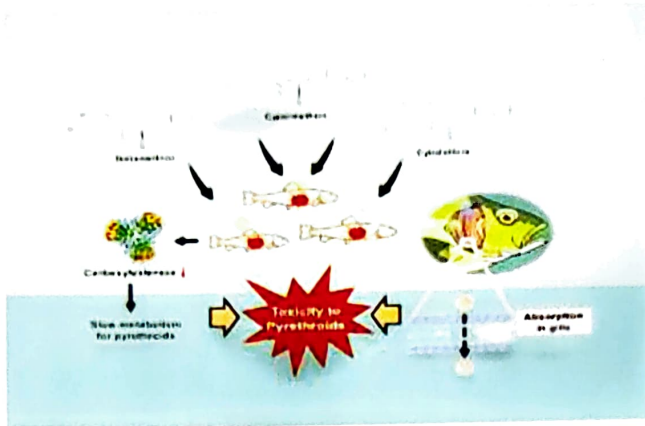
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TOXICOLOGICAL IMPACT OF SOME PESTICIDES ON FISH



A

Project dissertation submitted
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This is to certify that **Manish Kumar Sahu** has a postgraduate dissertation project entitled "**Toxicological impact of some pesticides on fish**" under my supervision for 3 months and this work has not formed the basis for the award of any other similar title.

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**Therapeutic effect of Resveratrol against oxidative stress
in the kidney of rats with Acute liver failure**



**Submitted in Partial Fulfilment for the Degree of Master of
Science in Zoology Honors**

Submitted By

Ms. Mansee Patel

M.Sc. Zoology (IV Semester)

UNDER THE SUPERVISION OF

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Certificate

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Therapeutic role of naringenin against acrylamide induced biochemical alterations in microsomal compartment of liver in rats



Dissertation submitted
in partial fulfilment for degree of
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By

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Under the supervision of

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This is to certify that Ms. Megha Dahire has worked for M.Sc. (Zoology) dissertation entitled “**Therapeutic role of naringenin against acrylamide induced biochemical alterations in microsomal compartment of liver in rats**” under my supervision for about 3 months and this work has not been formed the basis for the award of any other similar title.

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Signaling Pathways involved in bipolar disorder and role of Olanzapine

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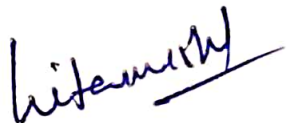
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This is to certify that the dissertation entitled "*Signaling pathway involved in bipolar disorder and role of Olanzapine*" is based on the original work done and being submitted by **Mr. Mojesh Kumar Dewangan** bearing Roll No. – 20404028, Enrollment No. **GGV/17/3103** to the Department of Zoology, Guru Ghasidas Vishwavidyalaya (A Central University) for the award of the degree of Master of Science in Zoology, is a record of bonafide research work carried out by her under my supervision and guidance.

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Hepatoprotective potential of naringenin against acrylamide induced liver injury in rats



Dissertation submitted
in partial fulfilment for degree of
M. Sc. in Zoology

By

Ms. Monisha Bhardwaj

Under the supervision of

Dr. Satendra Kumar Nirala
Assistant Professor

.....

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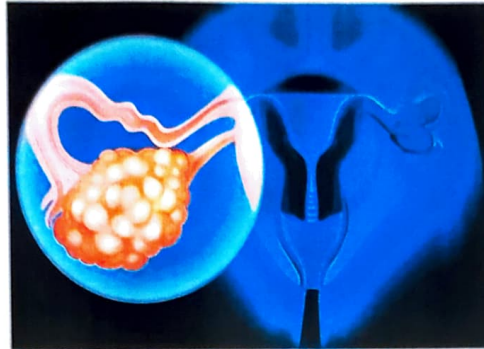
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Herbal remedies for a fast-spreading endocrine disorder Polycystic ovary syndrome (PCOS)



A review article

*Submitted in partial fulfilment for
degree of M.Sc. in Zoology*

Submitted by

Ms. Nikshita Mahakud

Under supervision of:

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Effect of COMT Val158Met Polymorphism in Bipolar Disorder:

A Meta-analysis study

A dissertation

Submitted in partial fulfillment

for

degree of M.Sc. in Zoology

Submitted by

Mr. PARAG BANERJEE

Roll No. 20404031

Enrollment no. GGV/20/03418

Under supervision of

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A REVIEW ON STRESS HORMONE AND OBESITY

A

**Project dissertation submitted in partial fulfilment for
Degree of M. Sc. Zoology IVth Semester**

By

Pooja Sahu

Under the supervision of

Dr. Manish Kumar Tripathi

(Assistant Professor, Department of Zoology, GGV)



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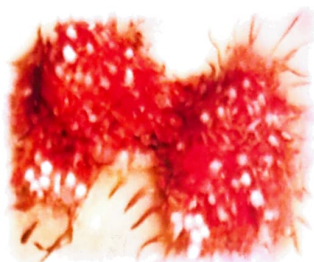
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- **Abstract**
- **Introduction**
- **Review of literature**
- **Conclusion**
- **References**

Nutraceuticals and Their Anticancer Property



A review article

Submitted in partial fulfilment

for

degree of M.Sc. in Zoology

Submitted by

Ms. Prangyamayee Mishra

Under supervision of

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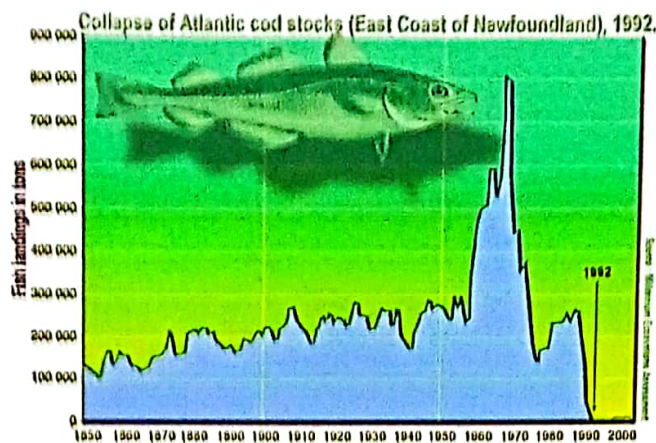
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OVERFISHING: A BURNING ISSUE FOR DEPLETING FISHERY RESOURCES



A Project dissertation submitted
In partial fulfillment for degree of

M.Sc. in Zoology

By

Prayojecta Bishi

Under Supervision of

Dr. Naresh Chandra Agrawal
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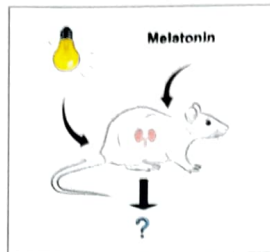
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Effect of constant light and exogenous melatonin on kidney of rat



A dissertation submitted
in partial fulfillment for degree of
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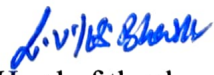
This is to certify that Ms. Premlata Banjare has worked on dissertation work entitled “**Effect of constant light exposure and exogenous melatonin on kidney of rat**” for degree in M.Sc. (Zoology) under my supervision for three months and this work has not been formed the basis for the award of any other similar title.

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**IL-18 GENE POLYMORPHISMS ARE
INVOLVED IN THE PERIODONTAL DISEASE:
A META-ANALYSIS**

A

Project dissertation submitted
In partial fulfillment for degree of

M.Sc. Zoology

By

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Under supervision of

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I certify that the dissertation entitled “**IL-18 gene polymorphisms are involved in the periodontal disease: A meta-analysis**” submitted for the partial fulfilment of M.Sc. Zoology by **Ms. Preeti Shit**, is the record of research/review work carried out by her during the period from April to September 2022, under my supervision and that this research work has not formed the basis for the award of any degree, diploma, associateship, fellowship or other similar titles in this University or any other University or institution.

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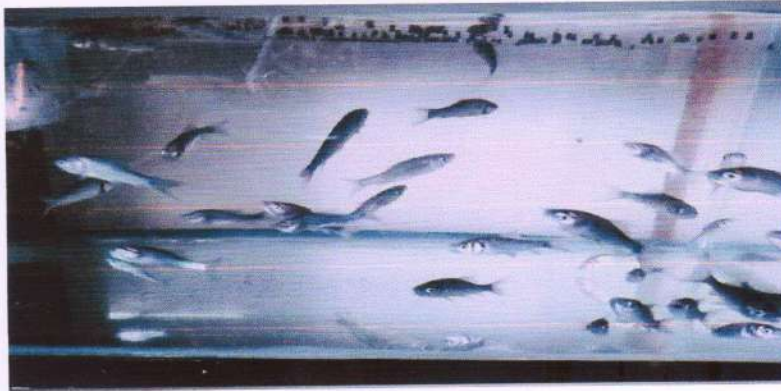
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A Review On
Oxidative stress induced by herbicides in fish



Review Paper

Submitted in partial fulfilment of the requirements for degree of

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In Zoology

By

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Curative role of naringenin against acrylamide induced toxic manifestations in brain of rats



Dissertation submitted
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[2] Review of Literature	06-18
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**ANALYSIS OF MATRILIN 1 (MANT1) GENE
POLYMORPHISM IN MANDIBULAR
PROGNATHISM**

**A Project dissertation submitted
In partial fulfillment for degree of
M. Sc. Zoology**

**By
POOJA KURMI**

**Under supervision of
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Signature of supervisor

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Prof LVKS Bhaskar
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**Neuroprotective potential of *Putranjiva roxburghii*
Wall. against carbon tetrachloride induced
neuronal injury in rats**



**Dissertation submitted
in partial fulfilment for degree of
M. Sc. in Zoology**

By

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Under the supervision of

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Dr. Nisha Sahu
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[5] Discussion	20-21
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*Demographic study in male bipolar patients from
Bilaspur and adjoining areas*

A Project work submitted to
in partial fulfillment of the requirement for the award of the degree of
Master of Science in Zoology

By

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Roll No. 20404041

Enrollment no. GGV/20/03424

Under the supervision of

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**STUDY OF TOXIC EFFECT OF IRON CHLORIDE [FeCl₂] ON
BEHAVIOUR, HISTOLOGY, AND BIOCHEMICAL PARAMETERS
in Zebrafish (*Danio rerio*)**

A Project work submitted to
in partial fulfillment of the requirement for the award of the degree of
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By

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Therapeutic potential of naringenin against acrylamide induced oxidative stress in spleen in rats



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in partial fulfilment for degree of
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A REVIEW ON ESTROGEN AND CANCER

A

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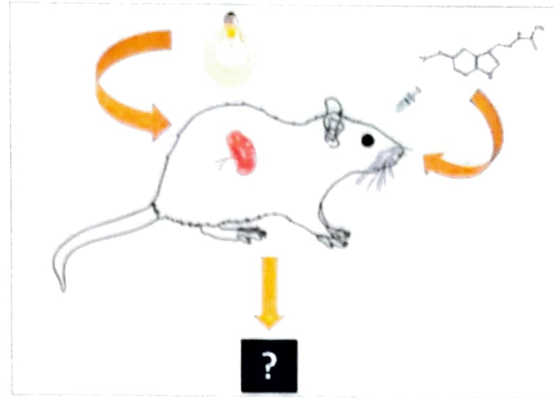
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EFFECT OF CONSTANT LIGHT AND MELATONIN ON SPLEEN OF RAT



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Assessment on awareness among poultry workers regarding occupational health hazards in poultry farms located in countryside of Bilaspur district in Chhattisgarh state



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*Effect of olanzapine, lithium, and citalopram on depression
score in the patients suffering from bipolar disorder*

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**TOXIC EFFECT OF MAGNESIUM CHLORIDE ON BEHAVIOUR,
HISTOLOGY, AND BIOCHEMICAL PARAMETERS
in Zebrafish (*Danio rerio*)**

A Project work submitted to
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EFFECT OF ACUTE HYPERAMMONEMIA ON KIDNEY AND PANCREAS OF RATS: THERAPEUTIC ROLE OF ANDROGRAPHOLIDE



Dissertation submitted for the
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***Putranjiva roxburghii* Wall. extract ameliorates carbon tetrachloride induced biochemical alterations in hepatic microsomal compartment in rats**



**Dissertation submitted
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**STUDY OF TOXIC EFFECT OF CADMIUM NITRATE [Cd (NO₃)₂] ON
BEHAVIOUR, HISTOLOGY, AND BIOCHEMICAL PARAMETERS
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A REVIEW ON HORMONE THERAPY IN CANCER

Project dissertation submitted in partial fulfilment for the
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❖ **REVIEW OF LITERATURE**

❖ **CONCLUSION**

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Association of IRF6 functional variants with non-syndromic cleft lip/palate:

A META ANALYSIS

A Project dissertation submitted in partial fulfilment for

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- **Introduction**
- **Materials and Methods**
- **Results**
- **Discussion**
- **References**

*Potential Phyto therapeutic intervention for treatment of
poly cystic ovarian syndrome (PCOS)*

A dissertation submitted

In partial fulfilment

for degree of

M.Sc. in Zoology

Submitted by

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**Nephroprotective potential of
Putranjiva roxburghii Wall. against
carbon tetrachloride induced renal injury**



**Dissertation submitted
in partial fulfilment for degree of**

M. Sc. in Zoology

By

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CERTIFICATE

This is to certify that Mr. Tanmoy Ghosh has worked for M.Sc. (Zoology) dissertation entitled “**Nephroprotective potential of *Putranjiva roxburghii* Wall. against carbon tetrachloride induced renal injury**” under my supervision for about 3 months and this work has not been formed the basis for the award of any other similar title.

It represents entirely an independent work on the part of candidate.

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