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**A PHYLOGENETIC AND COMPARATIVE STUDY  
OF SERUM ALBUMIN FROM DIFFERENT SPECIES  
USING BIOINFORMATICS TOOLS TO DETERMINE  
A POTENTIAL ALTERNATE SOURCE**

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A Dissertation Submitted for partial Fulfillment for Award of Degree of  
**Master of Science**  
In  
**ZOOLOGY**

**ASUTOSH BISWAL**  
**19PZOL01**  
**Semester IV**

Under the guidance of  
**DR. DEEPAK KUMAR SINGH**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

**MICROBIAL CONTAMINATION OF MILK QUALITY &  
HEALTH RISK OF THE CONSUMERS OF RAW MILK AND  
DAIRY PRODUCTS**

**A Dissertation submitted for partial fulfillment for the degree of  
Master of Science in Zoology - 2021**

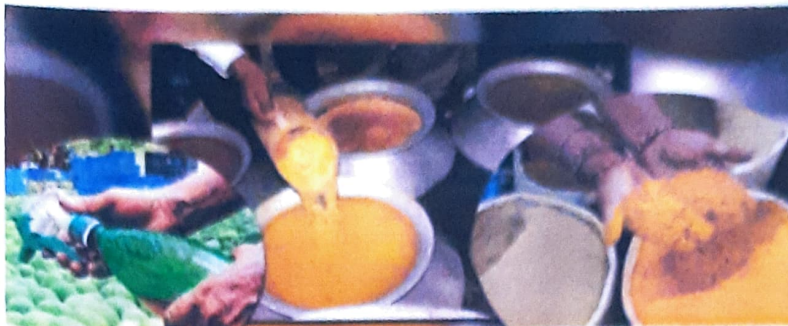
**Submitted by :- LISAMAYEE MAJHI  
(Roll No. : 19PZOL-02)**

**PG Department of Zoology  
Government Autonomous College, Rourkela  
(Accredited by NAAC "Grade B")**



**Under the guidance of  
Mr. Sameer Saurava Prusty  
H.O.D  
Department of Zoology  
PG Department of Zoology  
Government Autonomous College, Rourkela**

**ADULTERATION IN DIFFERENT FOOD PRODUCTS  
SOLD IN THE TWIN CITIES OF BHUBANESWAR AND  
CUTTACK**



A Dissertation Submitted for partial Fulfillment for Award of Degree of

Master of Science

In

ZOOLOGY

**SRIDHAR BEHERA**

**19PZOL03**

Semester IV

Under the guidance of

Dr. Deepak Kumar Singh



**DEPARTMENT OF ZOOLOGY  
GOVERNMENT AUTONOMOUS COLLEGE ROURKELA**

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# **GREEN HOUSE GAS EMISSIONS IN MILK AND DAIRY PRODUCTS CHAINS**

**IMPROVING THE CARBON FOOTPRINT OF DAIRY PRODUCTS**

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A Dissertation Submitted for partial Fulfillment for Award of Degree of



**Master of Science  
In  
ZOOLOGY**



**PRIYADARSHINI PATRA  
19PZOL04  
Semester IV**

**Under the guidance of  
Mr. Sameer Saurava Prusty  
H. O. D. (Assistant Professor)**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY  
GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

**DIVERSITY OF AVIFAUNA IN BONAI FOREST DIVISION**

**A DISSERTATION SUBMITTED FOR PARTIAL FULFILLMENT  
OF  
MASTER OF SCIENCE IN ZOOLOGY**

**SUBMITTED BY**

**SHIKHA SAHOO**

**19PZOL05**



**SUBMITTED TO**

**PG DEPARTMENT OF ZOOLOGY**

**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

**SESSION: 2019-2021**

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**A STUDY ON HUMAN ELEPHANT CONFLICT IN  
BAGDIHI RANGE OF JHARSUGUDA FOREST  
DIVISION DURING 2015-2021**

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A Dissertation Submitted for partial fulfilment for Award of Degree of  
**Master of Science**  
In  
**ZOOLOGY**

**PREETAM KUMAR RATH**  
**19PZOL07**  
**Semester IV**

**Under the guidance of**  
**DR. DEEPAK KUMAR SINGH**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

**DAIRY MICROBIOLOGY AND LACTOSE COMPARISON IN  
OF  
DIFFERENT MILK AND MILK RELATED PRODUCTS**

**A Dissertation submitted for partial fulfillment for the degree of  
Master of Science in Zoology - 2021**

**Submitted by: - Manoharlal Singh  
(Roll No.: 19PZOL-08)**

**PG Department of Zoology  
Government Autonomous College, Rourkela  
(Accredited by NAAC "Grade B")**



**Under the guidance of  
Mr. Sameer Saurava Prusty  
H.O.D  
Department of Zoology  
PG Department of Zoology  
Government Autonomous College, Rourkela**

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**A COMPARATIVE ANALYSIS OF FOLLOW  
UP FORMULA FROM DIFFERENT BRANDS  
IN ORDER TO DETERMINE THE MOST  
SUITABLE ONE FOR PROPER NUTRIENT  
CONSUMPTION FOR AGE GROUP 12-18  
MONTHS**

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A Dissertation Submitted for partial fulfillment for Award of Degree of  
**Master of Science**  
In  
**ZOOLOGY**

**BISHNUPRIYA TRIPATHY**  
**19PZOL09**  
**Semester IV**

Under the guidance of  
**DR. DEEPAK KUMAR SINGH**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**



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**A COMPARISON OF INFANT FORMULA FOR  
INFANTS OF AGE GROUP 7 – 12 MONTHS**

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A Dissertation Submitted for partial fulfillment for Award of Degree of  
**Master of Science**  
**In**  
**ZOOLOGY**

**GAYATREE SAHOO**  
**19PZOL13**  
**Semester IV**

**Under the guidance of**  
**DR. DEEPAK KUMAR SINGH**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

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# GENERATION AND MANAGEMENT OF WASTE IN BASUNDHARA COAL MINES

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A DISSERTATION SUBMITTED FOR PARTIAL FULFILLMENT FOR AWARD OF  
DEGREE OF MASTER OF SCIENCE IN ZOOLOGY

CHUMKI PATTANAİK  
ROLL NO.- 19PZOL14  
SEMESTER- IV

SESSION 2020-21

DEPARTMENT OF ZOOLOGY  
GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA



SUPERVISOR

Asst. Prof. SAMEER SOURAV PRUSTY

# **APPROACHES AND TECHNIQUES FOR MANAGING HUMAN-ELEPHANT CONFLICTS IN KOLABIRA RANGE OF JHARSUGUDA FOREST DIVISION**

A Dissertation Submitted for partial Fulfillment for Award of Degree of  
**Master of Science**  
In  
**ZOOLOGY**

**NIBEDITA KANTA**  
**19PZOL15**  
**Semester IV**

Under the guidance of  
**DR. DEEPAK KUMAR SINGH**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**



Study of diversity and distribution of butterflies  
along a densely populated urban habitat of smart city  
Bhubaneswar

A Dissertation submitted for partial fulfilment of

**Master of science**

**In**

**ZOOLOGY**

Madhusmita Mallick

19PZOL16

Semester IV

Under the guidance of

DR. DEEPAK KUMAR SINGH

SESSION 2020-21



DEPARTMENT OF ZOOLOGY

GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA

# **Avifaunal Diversity and its Habitat of Jamukani reserve forest, Odisha**

A Dissertation submitted for partial fulfilment of master of science in  
zoology



**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

**DEPARTMENT OF ZOOLOGY**

**SESSION 2020-21**

**Submitted by:**

**Rajashree Bisoi**

**19PZOL17**

**P.G 4<sup>th</sup> SEMESTER**

**Under the Guidance of:**

**Mr. Sameer Saurava Prusty**

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# **MANAGEMENT OF HUMAN- ELEPHANT INTERFACE IN BRAJRAJNAGAR RANGE, JHARSUGUDA, ODISHA**

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A Dissertation Submitted for partial Fulfillment for Award of Degree of  
**Master of Science**  
In  
**ZOOLOGY**

**SHWETA NAYAK**  
**19PZOL18**  
**Semester IV**

Under the guidance of  
**DR. DEEPAK KUMAR SINGH**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

**HUMAN-ELEPHANT CONFLICT : A STUDY ON**  
**CURRENT MANAGEMENT STRATEGIES IN**  
**BELPAHAR RANGE OF JHARSUGUDA DIVISION**

A Dissertation Submitted for the partial fulfillment of Award of Degree of

**Master of Science**

**In**

**ZOOLOGY**

**SARMISTHA SWAIN**

**19PZOL20**

**Semester 4th**

**Under the guidance of**

**DR. DEEPAK KUMAR SINGH**

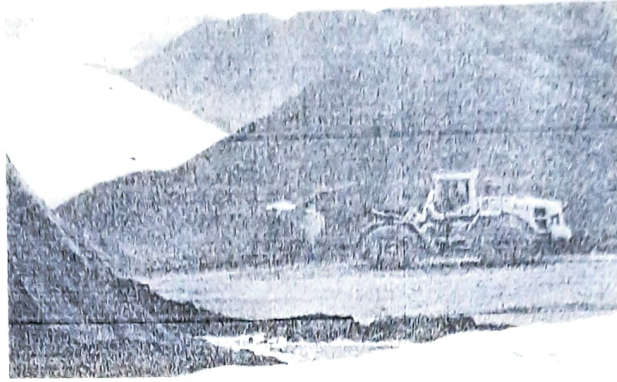
**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY**

**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

# WASTE MANAGEMENT IN MINING INDUSTRY



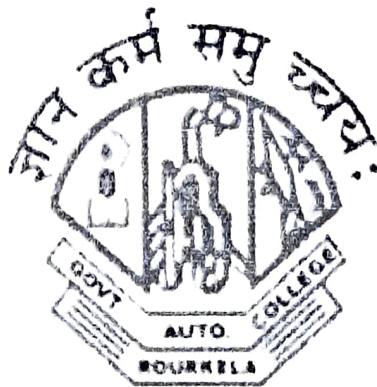
BY

SABA PERVEEN

Submitted To

Government Autonomous College, Rourkela

Department Of Zoology



Supervisor

Asst. Prof. SAMEER SOURAV PRUSTY



# **Avifaunal Diversity and its Habitat of Rourkela, Odisha**

A Dissertation submitted for partial fulfilment of master of science in  
zoology



**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

**DEPARTMENT OF ZOOLOGY**

**SESSION 2020-21**

Submitted by:

**SUSHMITA TOPPO**

**19PZOL22**

**P.G 4<sup>th</sup> SEMESTER**

Under the Guidance of:

**Sameer Saurava Prusty**

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# **WASTE MANAGEMENT IN STEEL INDUSTRIES AND ROURKELA STEEL PLANT**

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A Dissertation Submitted for partial Fulfillment for Award of Degree of  
**Master of Science in Zoology**

**SALOMI EKKA**

**ROLL NO- 19PPZOL23**

**SEMESTER -4**

**Under the guidance of**

**Asst. Prof . SAMEER SOURAV PRUSTY**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY  
GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

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**A CASE STUDY ON MALARIA IN RURAL TRIBAL  
AREA, KALAHANDI, ODISHA**

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A Dissertation Submitted for partial Fulfillment for Award of Degree of  
**Master of Science**  
In  
**ZOOLOGY**

**ROSHNI MINZ**  
**19PZOL24**  
**Semester IV**

Under the guidance of  
**MR. SAMEER SAURAVA PRUSTY**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

**COMPARISON OF MILK PROTEIN CASEIN IN LOCALLY  
PURCHASED MILKS**

**A Dissertation submitted for partial fulfillment for the degree of  
Master of Science in Zoology - 2021**

**Submitted by:- Madhusmita Sa  
(Roll No.: 19PZOL -25)**

**PG Department of Zoology  
Government Autonomous College, Rourkela  
(Accredited by NAAC "Grade B")**



**Under the guidance of  
Mr. Sameer Saurava Prusty  
H.O.D  
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PG Department of Zoology  
Government Autonomous College, Rourkela**

**MALARIA IN**  
**SUNDARGARH DISTRICT**

**Master of Science**  
**In**  
**ZOOLOGY**

**AJAY XALXO**  
**19PZOL26**  
**Semester IV**

**Under the guidance of**  
**DR.DEEPAK**  
**KUMAR SINGH**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE,ROURKELA**

# **PROCESSING OF MILK**

A Dissertation Submitted for partial Fulfillment for Award of Degree of

**Master of Science  
In  
ZOOLOGY**

**BISWAJITA PARIJA  
19PZOL27  
Semester IV**

**Under the guidance of  
ASST.PROFESSOR  
SAMEER SOURAVA PRUSTY**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY  
GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

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**A COMPARATIVE ANALYSIS OF NUTRIENTS OF  
DIFFERENT NUTRITIONAL POWDER FOR THE  
TODDLERS (2 - 5 YEARS)**

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A Dissertation Submitted for partial Fulfilment for Award of Degree of  
**Master of Science**  
In  
**ZOOLOGY**

**JYOTIRMAYEE DEY**  
**19PZOL28**  
**Semester IV**

**Under the guidance of**  
**DR. DEEPAK KUMAR SINGH**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

**A STUDY ON ACTIVITIES AND IMPACTS OF  
ELEPHANTS ON HUMAN IN JHARSUGUDA  
RANGE OF JHARSUGUDA FOREST DIVISION**

A Dissertation Submitted for partial Fulfillment for Award of Degree of

**Master of Science**

**In**

**ZOOLOGY**

**ARCHANA PARIDA**

**19PZOL29**

**Semester IV**

**Under the guidance of**

**SAMEER SAURAVA PRUSTY**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY  
GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**



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**A COMPARATIVE STUDY OF INFANT FORMULA  
ALONG WITH MOTHER'S MILK FOR NEW BORN  
(0 – 6 MONTHS )**

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A Dissertation Submitted for partial Fulfillment for Award of Degree of  
**Master of Science**  
In  
**ZOOLOGY**

**RASHMITA PRADHAN**  
**19PZOL30**  
**Semester IV**

Under the guidance of  
**DR. DEEPAK KUMAR SINGH**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

**Avifaunal Diversity and its Habitat of  
Sundergarh , Odisha**

A Dissertation submitted for partial fulfilment of master of science in  
zoology



**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

**DEPARTMENT OF ZOOLOGY**

**SESSION 2020-21**

Submitted by:

**SUDIPTA SAHOO**

**19PZOL31**

**P.G 4<sup>th</sup> SEMESTER**

Under the Guidance of:

**Mr. Sameer Saurava Prusty**

**MALARIA CONTROL IN ANUGUL DISTRICT :  
CASE STUDY OF A DISTRICT OF ODISHA**



**BY**

**BIDYUTPRAVA TRIPATHY**

**Submitted To**

**Government Autonomous College, Rourkela**

**Department Of Zoology**



**Supervisor**

**Asst. Prof. SAMEER SOURAV PRUSTY**

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**THE STUDY OF COMPLEX MALARIA IN  
ROURKELA**

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A Dissertation Submitted for partial Fulfillment for Award of Degree  
of  
**Master of Science**  
In  
**ZOOLOGY**

**SHIB CHANDAN SAHU**  
**19PZOL33**  
**Semester IV**

Under the guidance of  
**SAMEER SAURAVA PRUSTY (H.O.D)**

**SESSION 2020-21**

**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

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**A NUTRITIONAL ANALYSIS OF VARIOUS  
BRANDS OF MILK FORMULA FOR BABIES OF  
(18-24 MONTHS)**

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A Dissertation Submitted for partial Fulfillment for Award of Degree of  
**Master of Science**  
In  
**ZOOLOGY**

**RANJIT DASH**  
**19PZOL34**  
**Semester IV**

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**DR. DEEPAK KUMAR SINGH**

**SESSION 2020-21**



**DEPARTMENT OF ZOOLOGY**  
**GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA**

# **WASTE MANAGEMENT IN BISRA STONE LIME COMPANY LIMITED**



**BY**

**SUKADEV DAS**

**Submitted To**

**Government Autonomous College, Rourkela**

**Department Of Zoology**



**Supervisor**

**Asst. Prof. SAMEER SOURAV PRUSTY**