



THE ASSAM
ROYAL GLOBAL UNIVERSITY
— GUWAHATI —

CRITERION 1

CURRICULAR ASPECTS

METRIC NO.
1.3.3

M.Sc. Environmental Science

Field Work / Research Project / Internship



COVER PAGE

A study on
Roadside Soil Analysis With Respect to Vehicular Emission and Its Health Impacts
A Report submitted in partial fulfilment of the requirements for the degree of
Masters of Science
Under



THE ASSAM

ROYAL GLOBAL UNIVERSITY

Submitted by:

Name: Azekah C Marak

School: Royal School of Environmental and Earth Sciences.

Department: Environmental Science

Programme: Masters of Science

Registration No.: 1191330

Roll No.: 194161002

Forwarded
Azekah

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

CERTIFICATE

This is to certify that the work contained in the thesis entitled "Roadside Soil Analysis with respect to vehicular emission and its health impacts." by Azekah C Marak, Roll.No:194161002, is the bona fide work of her submitted to DEPT.OF ENVIROMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GHY for consideration in partial fulfilment of the award of the degree of Master of Science.

The research work was carried out by her under my supervision in the academic year 2021. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date: 16.09.2021

Place: Guwahati

Pallabi Borah.

Dr. Pallabi Borah

(Assistant Professor)

Department of Environmental Science

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

DECLARATION

I, Azekah C Marak, bearing Roll no 194161002, a student of Environmental Science under Royal School of Environmental and Earth Sciences, hereby declare that this Final Semester Project Report/Dissertation entitled "*Roadside Soil Analysis with respect to vehicular emission and its health impacts*" is a bonafide project work undertaken by me, during the period of January 2021 to June 2021, as partial fulfilment of the requirements of the degree of Masters of Science of The Assam Royal Global University, Guwahati. Further, I declare that this report has not been submitted by me elsewhere for the award of any degree/diploma/certificate and not linked to any other qualification.

Azekah

SIGNATURE

AZEKAH C MARAK

Date: 16 / Sept / 21

Place: Guwahati

REGISTRATION NO: 1191330

ROLL NO.: 194161002

Forwarded
[Signature]

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Belkuchi, NH 37, Guwahati 781035

**“Environmental Clearance and Impact Assessment for
Limestone Mining in Sohra, East Khasi Hills”**

A Minor Project submitted in partial fulfillment of the requirements

for the Degree of

Masters of Science in Environmental Science by

Azekah C Marak Roll No. 194161002



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Royal School of Earth & Environmental Science

Department of Environmental Science

Royal Global University

Betkuchi, Guwahati- 781035

Assam, India

August, 2020-21

*Forwarded
Josh.*

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

CERTIFICATE

This is to certify that the work contained in the thesis entitled, "Environmental Clearance and Impact Assessment for Limestone Mining in Sohra, East Khasi Hills" by Azekah C Marak, Roll.No:194161002, is the bona fide work of her submitted to DEPT.OF ENVIRONMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GHY for consideration in partial fulfillment of the award of the degree of Master of Science.

The research work was carried out by her under my supervision in the academic year 2020-21. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date: 7th Jan'2021

Place: Guwahati

Suravi Kalita
7/1/2021

Dr. Suravi Kalita

(coordinator)

Department of Environmental Science

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Bokardo, Nrh 37, Guwahati, Assam 781035

COVER PAGE

A study on
Roadside Soil Analysis with respect to vehicular emission and its health impacts.
A Report submitted in partial fulfilment of the requirements for the degree of
Masters of Science
Under



THE ASSAM

ROYAL GLOBAL UNIVERSITY

Submitted by:

Name: Adrika Dutta

School: Royal School of Environmental and Earth Sciences.

Department: Environmental Science

Programme: Masters of Science

Registration No.: 1191329

Roll No.: 194161001

Forwarded
Forward

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

CERTIFICATE

This is to certify that the work contained in the thesis entitled "Roadside Soil Analysis with respect to vehicular emission and its health impacts." by Adrika Dutta, Roll.No:194161001, is the bona fide work of her submitted to DEPT.OF ENVIROMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GHY for consideration in partial fulfilment of the award of the degree of Master of Science.

The research work was carried out by her under my supervision in the academic year 2021. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date: 16.09.2021

Place: Guwahati

Pallabi Borah.

Dr. Pallabi Borah

(Assistant Professor)

Department of Environmental Science

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

DECLARATION

I, Adrika Dutta, bearing Roll no 194161001 , a student of Environmental Science under Royal School of Environmental and Earth Sciences, hereby declare that this Final Semester Project Report/Dissertation entitled "Roadside Soil Analysis with respect to vehicular emission and its health impacts" is a bonafide project work undertaken by me, during the period of January 2021 to June 2021, as partial fulfilment of the requirements of the degree of Masters of Science of The Assam Royal Global University, Guwahati. Further, I declare that this report has not been submitted by me elsewhere for the award of any degree/diploma/certificate and not linked to any other qualification.

Adrika Dutta
SIGNATURE
ADRIKA DUTTA

Date: 16/09/21

Place: Guwahati

REGISTRATION NO: 1191329

ROLL NO.: 194161001

Forwarded
[Signature]

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

COVER PAGE

A Study on

Heavy metal accumulation in roadside plants due to high traffic density

A Report submitted in partial fulfilment of the requirements for the degree of

Masters of Science

Under



THE ASSAM

ROYAL GLOBAL UNIVERSITY

Submitted by:

Name: Sochulo Kath

School: Royal School of Environmental and Earth Sciences.

Department: Environmental Science

Programme: Masters of Science

Registration No.: 1191333

Roll No.: 194161005

*Forwarded
Forch*

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

CERTIFICATE

This is to certify that the work contained in the thesis entitled "**Heavy metal accumulation in roadside plants due to high traffic density**" by Sochulo Kath, Roll.No:194161005, is the bona fide work of her submitted to DEPT.OF ENVIROMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GHY for consideration in partial fulfilment of the award of the degree of Master of Science.

The research work was carried out by her under my supervision in the academic year 2021. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date: 22/11/21

Place: RGU

Pallabi Borah

Dr. Pallabi Borah

(Assistant Professor)

Department of Environmental Science

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

DECLARATION

I, Sochulo Kath, bearing Roll no 194161005 , a student of Environmental Science under Royal School of Environmental and Earth Sciences, hereby declare that this Final Semester Project Report/Dissertation entitled “ **Heavy metal accumulation in roadside plants due to high traffic density** ” is a bonafide project work undertaken by me, during the period of January 2021 to June 2021, as partial fulfilment of the requirements of the degree of Masters of Science of The Assam Royal Global University, Guwahati. Further, I declare that this report has not been submitted by me elsewhere for the award of any degree/diploma/certificate and not linked to any other qualification.

Sochulo

SIGNATURE

SOCHULO KATH

Date: 22/11/21

Place: Guwahati

REGISTRATION NO. : 1191333

ROLL NO. : 194161005

*Forwarded
Pamh*

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

A study on

**Deepor Beel Water Quality Analysis: Application of Weighted Arithmetic
Water Quality Index**

A Report submitted in partial fulfilment of the requirements for the degree of
M.Sc. Environmental Science

Under



Submitted by:

Name: **Ms. Anusuya Gogoi**

School: Royal School of Environmental and Earth Sciences

Department: Environmental Science

Programme: M.Sc. Environmental Science

Registration No. 1201400

Roll No.: 204161002

July, 2022

Forwarded
[Signature]

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

DECLARATION

I, Anusuya Gogoi, bearing Roll no. 204161002, a student of Environmental Science under Royal School of Environmental and Earth Sciences hereby declare that this Final Semester Project Report/Dissertation entitled "**Deepor Beel Water Quality Analysis: Application of Weighted Arithmetic Water Quality Index**" is a bona fide project work undertaken by me, during the period of May 2022 to July 2022, as partial fulfilment of the requirements of the degree of M.Sc. Environmental Science of The Assam Royal Global University, Guwahati.

Further, I declare that this report has not been submitted by me elsewhere for the award of any degree/diploma/certificate and not linked to any other qualification.

Anusuya Gogoi

ANUSUYA GOGOI

Date: 11/07/22

Registration No.: 1201400

Place: Guwahati

Roll No.: 204161002

*Forwarded
Prash*

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

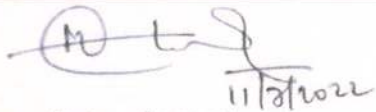
CERTIFICATE

This is to certify that the work contained in the Dissertation entitled "**Deepor Beel Water Quality Analysis: Application of Weighted Arithmetic Water Quality Index**" by Anusuya Gogoi, Roll No. 204161002, is the bona fide work of her, submitted to the DEPARTMENT OF ENVIRONMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GUWAHATI for consideration in partial fulfilment of the award of the degree of Master of Science.

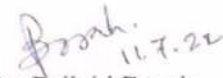
The research work was carried out by her under my supervision in the academic year 2022. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date: 11/7/22

Place: Guwahati


External expert

Dr. Mayur Chabukdhara


Dr. Pallabi Borah
(Assistant Professor)

Department of Environmental Science

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

A study on

**Analysis and evaluation of physico-chemical properties of soils
from different rice fields of Mirza, Assam**

A report submitted in partial fulfilment of the requirements for the degree of

M. Sc. Environmental Science

Under



Submitted by:

Name: Ms. Arundhati Gogoi

School: Royal School of Environmental and Earth Sciences

Department: Department of Environmental Science

Programme: M. Sc. Environmental Science

Registration No.: 1201402

Roll No.: 204161001

*Forwarded
for*

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781031

July 2022

DECLARATION

I, Arundhati Gogoi, bearing Roll no. 204161001, a student of Environmental Science under Royal Global University, hereby declare that this Final Semester Project Report/Dissertation entitled "Analysis and evaluation of physico-chemical properties of soils from different rice fields of Mirza, Assam" is a bona fide project work undertaken by me, during the period of May 2022 to July 2022, as partial fulfilment of the requirements of the degree of M. Sc. Environmental Science of The Assam Royal Global University, Guwahati.

Further, I declare that this report has not been submitted by me elsewhere for the award of any degree/diploma/certificate and not linked to any other qualification.

Arundhati Gogoi

ARUNDHATI GOGOI

Date: 11/07/22

REGISTRATION NO: 1201402

Place: Guwahati

ROLL NO.: 204161001

Forwarded

Pank


HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

CERTIFICATE

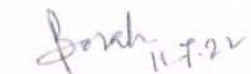
This is to certify that the work contained in the thesis entitled "**Analysis and evaluation of physico-chemical properties of soils from different rice fields of Mirza, Assam**" by Arundhati Gogoi, Roll No. 204161001, is the bona fide work of her, submitted to the DEPARTMENT OF ENVIRONMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GUWAHATI for consideration in partial fulfilment of the award of the degree of Master of Science.

The research work was carried out by her under my supervision in the academic year 2022. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date: 11/07/22
Place: Guwahati


External expert

Dr. Mayur Chabukdhara


Dr. Pallabi Borah
(Assistant Professor)

Department of Environmental Science
HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

A study on
**Analysis and evaluation of noise pollution in different zones along NH-27 of
Guwahati, Assam**

A report submitted in partial fulfilment of the requirements for the degree of
M.Sc. Environmental Science

Under



THE ASSAM
ROYAL GLOBAL UNIVERSITY

Submitted by:

Name: **L. Arvind Singh**

School: Royal School of Environmental and Earth Sciences

Department: Department of Environmental Science

Programme: M. Sc. Environmental Science

Registration No.: 1201403

Roll No.: 204161005

*Forwarded
for*

HOD/Coordinator

July, 2022

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Berhampur, NH 37, Guwahati 781015

Declaration

I, L. Arvind Singh, bearing Roll no 204161005, a student of Environmental Science under Royal Global University, hereby declare that this Final Semester Project Report/Dissertation entitled "*Analysis and evaluation of noise pollution in different zones along NH-27 of Guwahati, Assam*" is a bona fide project work undertaken by me, during the period of May 2022 to July 2022, as partial fulfilment of the requirements of the degree of M.Sc. Environmental Science of The Assam Royal Global University, Guwahati.

Further, I declare that this report has not been submitted by me elsewhere for the award of any degree/diploma/certificate and not linked to any other qualification.

Date: Arvind
11/07/22
Place: Guwahati

L. ARVIND SINGH
REGISTRATION NO.: 1201403
ROLL NO.: 204161005

*Forwarded
for*

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

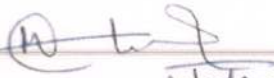
Certificate

This is to certify that the work contained in the thesis entitled "*Analysis and evaluation of noise pollution in different zones along NH-27 of Guwahati, Assam*" by L. Arvind Singh, roll no. 204161005, is the bona fide work of his submitted to DEPARTMENT OF ENVIRONMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GUWAHATI for consideration in partial fulfilment of the award of the degree of Master of Science.

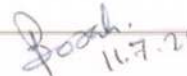
The research work was carried out by him under my supervision in the academic year 2022. To the best of my knowledge, the matter presented in report is not been submitted for the award of any other diploma or degree certificate of any university.

Date: 11/07/22

Place: Guwahati


11/07/22
External expert

Dr. Mayuri Chabukdhara


11.7.22

Dr. Pallabi Borah

(Assistant Professor)

Department of Environmental Science

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

**Monitoring Noise Pollution on Diwali & Post-Diwali: A Study to investigate
Climate role towards noise pollution**

A Report submitted in partial fulfilment of the requirements for the degree of
MSc. Environmental Science 3rd Semester
Under



ROYAL GLOBAL UNIVERSITY
— GUWAHATI —

Submitted by

Name: **Jabed G Momin**

School: Royal School of Environmental and Earth Sciences

Department: Environmental Science

Programme: Masters of Environmental Science

Registration No.: 1211636

Roll No.: 214161002

Project guide:

Name: **Dr. Pallabi Borah**

Designation: Assistant professor (Department of Environmental Science)

Dr. Damsai Reang

Designation: Assistant professor (Department of Environmental Science)

Forwarded
Borah.
HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

Royal Global University, Guwahati - 781035
Assam, India

Department of Environmental Science

CERTIFICATE

This is to certify that the work contained in the Dissertation entitled " **Monitoring Noise Pollution on Diwali & Post-Diwali: A Study to investigate Climate role towards noise pollution** by Javed G Momin, Roll No. 214161002, is the bona fide work of her, submitted to the DEPARTMENT OF ENVIRONMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GUWAHATI for consideration in partial fulfilment of the award of the degree of Master of Science 3rd Semester. The project work was carried out by her under my supervision in the academic year 2022. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date: 28-12-2022

Place: Guwahati

Borah
28/12/2022
External Expert
(Leena Borah)

Borah
28.12.22
Dr. Pallabi Borah

Reang
28.12.22
Dr. Damsai Reang
Department of Environmental Science

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

A Study on

Quantifying Biomass and Carbon Stocks across urban green space in Guwahati City

A Report submitted in partial fulfilment of the requirements for the degree of
MSc. Environmental Science 4th Semester

Offered by

Royal School of Environmental and Earth Science

Submitted by

Name: **Jabed G Momin**

Registration No.:1211636

Roll No.: 214161002

*Forwarded
Borah*

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

Project guide:

Name: **Dr. Pallabi Borah**

Designation: Assistant professor (Department of Environmental Science)

Dr. Demsai Reang

Designation: Assistant professor (Department of Environmental Science)

DECLARATION

I, Javed G Momin, bearing Roll no. 214161002, a student of Environmental Science under Assam Royal Global University, hereby declare that this 4th Semester Project Report entitled **Quantifying Biomass and Carbon Stocks across urban green space in Guwahati City** is a Bonafede project work undertaken by me, during the period of February 2023 to April 2023, as partial fulfilment of the requirements of the degree of Masters of Science in Environmental Science of The Assam Royal Global University, Guwahati.

Further, I declare that this report has not been submitted by me elsewhere for the award of any degree/diploma/certificate and not linked to any other qualification.

Date: 20-06-23

Place: Guwahati



JAVED G MOMIN

REGISTRATION NO: 1211636

ROLL NO.: 214161002

Forwarded



HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

Royal Global University, Guwahati- 781035
Assam, India
Department of Environmental Science


CERTIFICATE

This is to certify that the work contained in the Dissertation entitled "**Quantifying Biomass and Carbon Stocks across urban green space in Guwahati City**" by Javed G Momin, Roll No. 214161002, is the bona fide work of her, submitted to the DEPARTMENT OF ENVIRONMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GUWAHATI for consideration in partial fulfilment of the award of the degree of Master of Science 4th Semester. The project work was carried out by him under my supervision in the academic year 2023. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date: 20-06-23

Place: Guwahati


External Expert

 20/06/23
Dr. Demsai Reang
Assistant Professor
Department of Environmental Science

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati-781035

A study on

Microplastics in fish from freshwater ecosystem of Loktak lake (a Ramsar site)

A Report submitted in partial fulfilment of the requirements for the degree of MSc.
Environmental Science 4th Semester

Offered by

Royal School of Environmental and Earth Sciences

Submitted by

Name: **Naphibaniarlin Kshiar**

Registration No.: 1211637

Roll No.: 214161003

Project guide:

Name: **Dr. Pallabi Borah**

Designation: Assistant professor (Department of Environmental Science)

Dr. Demsai Reang

Designation: Assistant professor (Department of Environmental Science)

*Forwarded
Pallabi Borah*

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

DECLARATION

I, Naphibaniarlin Kshiar, bearing Roll no. 214161003, a student of Environmental Science under Assam Royal Global University, hereby declare that this 4th Semester Project Report entitled “**Microplastics in fish from freshwater ecosystem of Loktak lake (a Ramsar site)**” is a bona fide project work undertaken by me, during the period of February 2023 to June 2023, as partial fulfilment of the requirements of the degree of Masters of Science in Environmental Science of The Assam Royal Global University, Guwahati.

Further, I declare that this report has not been submitted by me elsewhere for the award of any degree/diploma/certificate and not linked to any other qualification.



NAPHIBANIARLIN KSHIAR

REGISTRATION NO: 1211637

ROLL NO.: 214161003

Date: 16-06-2023

Place: Guwahati



Forwarded
[Signature]

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

CERTIFICATE

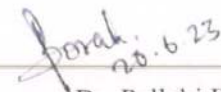
This is to certify that the work contained in the Dissertation entitled “**Microplastics in fish from freshwater ecosystem of Loktak lake (a Ramsar site)**” by Naphibaniarlin Kshiar, Roll No. 214161003, is the bona fide work of her, submitted to the DEPARTMENT OF ENVIRONMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GUWAHATI for consideration in partial fulfilment of the award of the degree of Master of Science 4th Semester.

The project work was carried out by her under my supervision in the academic year 2023. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date: 20-06-23

Place: Guwahati


External expert


20.6.23

Dr. Pallabi Borah

(Assistant Professor & Coordinator)

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

Microplastic Pollution in soil and water - A review

A Report submitted in partial fulfilment of the requirements for the
degree of MSc. Environmental Science 3rd Semester
Under



ROYAL GLOBAL UNIVERSITY

— GUWAHATI —

Name: Naphibaniarlin Kshiar

School: Royal School of Environmental and Earth Sciences

Department: Environmental Science

Programme: Masters of Environmental Science

Registration No.: 1211637

Roll No.: 214161003

Project guide:

Name: Dr. Pallabi Borah

Designation: Assistant professor (Department of Environmental Science)

Dr. Demsai Reang

Designation: Assistant professor (Department of Environmental Science)

DECEMBER, 2022

*Forwarded
Pomb*

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH-37, Guwahati-781035

CERTIFICATE

This is to certify that the work contained in the Dissertation entitled " **A study on Microplastic Pollution in water and Soil-A review** " by Naphibaniarlin Kshiar, Roll No. 214161003, is the bona fide work of her, submitted to the DEPARTMENT OF ENVIRONMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GUWAHATI for consideration in partial fulfilment of the award of the degree of Master of Science 3rd Semester.

The project work was carried out by her under my supervision in the academic year 2022. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date:

Place:

Borah
28/12/2022
External expert

(Leena Borah)

Borah
28.12.22
Dr. Pallabi Borah (Assistant Professor)

Borah
28.12.22
Dr. Demsai Reang (Assistant Professor)

Department of Environmental Science

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchir, NH 37, Guwahati 781035

**STRUCTURE AND DIVERSITY OF URBAN FORESTS
ACROSS MAJOR LANDUSE TYPES IN GUWAHATI CITY**

*A Report submitted in partial fulfilment of the requirements for the degree of MSc.
Environmental Science 4th Semester*

Offered by

Royal School of Environmental and Earth Science

Submitted by

Name: **Nuksha Debbarma**

Programme: Masters of Environmental Science

Registration No.: 1211638

Roll No.: 214161004

Project guide:

Name: **Dr. Pallabi Borah**

Designation: Assistant professor (Department of Environmental Science)

Name: **Dr. Demsai Reang**

Designation: Assistant professor (Department of Environmental Science)

JUNE, 2023

Forwarded

Porb

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal College of Engineering
Betkuchi, NH 37, Guwahati, Assam, 781035

DECLARATION

I, Nuksha Debbarma, bearing Roll no. 214161004, a student of Environmental Science under Assam Royal Global University, hereby declare that this dissertation report entitled "STRUCTURE AND DIVERSITY OF URBAN FORESTS ACROSS MAJOR LANDUSE TYPES IN GUWAHATI CITY" is an original project work undertaken by me, during the period of February 2023 to June 2023 for the partial fulfilment of the requirements of the degree of Masters of Science in Environmental Science of The Assam Royal Global University, Guwahati.

Further, I declare that this report has not been submitted by me elsewhere for the award of any degree/diploma/certificate and not linked to any other qualification.

Nuksha Debbarma

NUKSHA DEBBARMA

Date: 20-06-2023

REGISTRATION NO: 1211638

Place: Guwahati

ROLL NO.: 214161004

Forwarded

Pratik

HOD/Coordinator

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Royal School of Earth & Environmental Sciences
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Royal Global University, Guwahati - 781035
Assam, India
Department of Environmental Science

CERTIFICATE

This is to certify that the work contained in the Dissertation entitled "Structure and diversity of urban forests across major land use types in Guwahati city" by Nuksha Debbarma, Roll No. 214161004, is the Bonafide work submitted to the DEPARTMENT OF ENVIRONMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GUWAHATI for consideration in partial fulfilment of the award of the degree of Master of Science 4th Semester. The project work was carried out by him under my supervision in the academic year 2023. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date: 20-06-2023

Place: Guwahati

Pallabi Borah
20.6.23

Dr. Pallabi Borah (Assistant Professor)

[Signature]
20/06/23

[Signature]
20/06/23
(External Examiner)

Dr. Demsai Reang (Assistant Professor)

Department of Environmental Science

HOD/Coordinator
Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

**Monitoring Noise pollution on Diwali and post-Diwali: A study to
investigate Climate role towards noise pollution**

A Report submitted in partial fulfilment of the requirements for the
degree of MSc. Environmental Science 3rd Semester

Under



ROYAL GLOBAL UNIVERSITY

GUWAHATI

Submitted by

Name: **Nuksha Debbarma**

School: Royal School of Environmental and Earth Sciences

Department: Environmental Science

Programme: Masters of Environmental Science

Registration No.: 1211638

Roll No.: 214161004

Project guide:

Name: **Dr. Pallabi Borah**

Designation: Assistant professor (Department of Environmental Science)

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Assam, India

Department of Environmental Science

CERTIFICATE

This is to certify that the work contained in the Dissertation entitled " **A study carried out on Monitoring Noise pollution on Diwali and post-Diwali: A study to investigate Climate role towards noise pollution** " by Nuksha Debbarma, Roll No. 214161004, is the bona fide work of her, submitted to the DEPARTMENT OF ENVIRONMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GUWAHATI for consideration in partial fulfilment of the award of the degree of Master of Science 3rd Semester.

The project work was carried out by her under my supervision in the academic year 2022. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date: 28-12-2022

Place: Guwahati

Borah
28.12.22
Dr. Pallabi Borah (Assistant Professor)

Reang
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28/12/2022
(External Examiner)
(Leena Borah)

A study on
Status of microplastics pollution and distribution in a freshwater ecosystem of Loktak
lake (a Ramsar site)

A Report submitted in partial fulfillment of the requirements for the degree of
M.Sc. Environmental Science

Offered by

Royal School of Environmental and Earth Sciences

Submitted by:

Name: Sneha Dutta Chowdhury

Registration No.: 1211639

Roll No.: 214161005

Academic project guide:

Name: Dr. Pallabi Borah

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DECLARATION

I, Sneha Dutta Chowdhury, bearing Roll no. 214161005, a student of Environmental Science under Royal School of Environmental and Earth Sciences hereby declare that this Final Semester Project Report/Dissertation entitled 'is **'Status of microplastics pollution and distribution in a freshwater ecosystem of Loktak lake (a Ramsar site)** is a bona fulfillment of the requirements of the degree of M.Sc. Environmental Science of The Assam Royal Global University, Guwahati.

Further, I declare that this report has not been submitted by me elsewhere for the award of any degree/diploma/certificate and not linked to any other qualification.



SIGNATURE

SNEHA DUTTA CHOWDHURY

Date: 20.06.23

Place: Guwahati

REGISTRATION NO: 1211639

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Forwarded
from

HOD/Coordinator

Department of Environmental Science
Royal School of Earth & Environmental Sciences
The Assam Royal Global University
Betkuchi, NH 37, Guwahati 781035

CERTIFICATE

This is to certify that the work contained in the Dissertation entitled '**Status of microplastics pollution and distribution in a freshwater ecosystem of Loktak lake (Ramsar site)**' by Sneha Dutta Chowdhury, Roll No. 21461005, is the bona fide work of her, submitted to the DEPARTMENT OF ENVIRONMENTAL SCIENCE, ASSAM

ROYAL GLOBAL UNIVERSITY, GUWAHATI for consideration in partial fulfillment of the award of the degree of Master of Science. The research work was carried out by her under my supervision in the academic year 2023. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

Date: 20.06.23

Place: Guwahati

Borah
20/6/23
External expert

Borah
20.6.23
Dr. Pallabi Borah

(Assistant Professor & Coordinator)

Department of Environmental Science
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Department of Environmental Science
Royal School of Earth & Environmental Sciences
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Betkuchi, NH 37, Guwahati 781035

Assessment of microplastics contamination from commercial products: A review on the sources and their impacts

A Report submitted in partial fulfillment of the requirements for the minor project of

M.Sc. Environmental Science

Under



ROYAL GLOBAL UNIVERSITY

GUWAHATI

Submitted by:

Ms. Sneha Dutta Chowdhury

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CERTIFICATE

This is to certify that the work contained in the Dissertation entitled " Assessment of Microplastics contamination from Commercial products: A review on the sources and their impacts" by Sneha Dutta Chowdhury, Roll No. 214161005, is the bona fide work of her, submitted to the DEPARTMENT OF ENVIRONMENTAL SCIENCE, ROYAL GLOBAL UNIVERSITY, GUWAHATI for consideration in partial fulfillment of the award of the degree of Master of Science.

The research work was carried out by her under my supervision in the academic year 2022. To the best of my knowledge, the matter presented in this report has not been submitted for the award of any other diploma or degree certificate of any university.

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Place: Guwahati
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External expert 28/12/2022

(Leena Borah)

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