

A Project report
On
**Self Assembly of Fluorescent Monomer and Ionic Polymer
Embedded in a Polystyrene Film**



Submitted to
Department of Chemistry
Royal Global University, Guwahati
For the partial fulfillment of the requirements for the degree of
Master of Science (M.Sc) in Chemistry
Session 2020-2022

Submitted by
LATIFA KHATUN
M.Sc. (4th semester)
Roll No-204013020
Department of chemistry

Under the supervision of
Dr. RAJAN KUMAR
Assistant Professor
Department of Chemistry, RSAPS
The Assam Royal Global University
Betkuchi, NH- 37, Guwahati- 781035

1

Examined

Anumolha Deusa

Dean, RSAPS
The Assam Royal Global University

Tomato powder-A tool for Management of Organic Dye



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to

Department of Chemistry

The Assam Royal Global University

For the partial fulfillment of the requirements for the degree of

Master of Science (MSc) in Chemistry

Session : 2020-22

Submitted by

JERINA NAZNIM IASMIN

M.Sc (4th semester)

Roll No. 204013017

Department of Chemistry, RGU

Under the supervision of

DR. RAJAN KUMAR

Assistant Professor

Department of Chemistry

(Royal School of Applied and Pure Sciences)

The Assam Royal Global University,

Betkuchi, NH-37, Guwahati-781035

Examined

Anuradha Devi
Dean, RSAPS
The Assam Royal Global University

A Project Report on
**Materials derived from Natural Resources for Management of
Amphiphilic Wastes**



Submitted to

Department of Chemistry
Royal School of Applied and Pure Sciences (RSAPS)
The Assam Royal Global University (RGU)

For the partial fulfillment of the requirements for the degree of
Master of Sciences (M.Sc) in Chemistry
2020-2022

Submitted by

SHWETA SEN

M.Sc. Chemistry (4th Semester)
Roll No: 204013035
Department of Chemistry,
Royal School of Applied and Pure Sciences (RSAPS)
The Assam Royal Global University (RGU)

Under the Supervision of

Dr. RAJAN KUMAR

Assistant Professor
Department of Chemistry
Royal School of Applied and Pure Sciences (RSAPS)
The Assam Royal Global University (RGU)
Guwahati-781035

Examined

Anusudha *Den*
Dean, RSAPS
The Assam Royal Global University

A Project Report on
**Analysis of Water Quality Parameters from Flood Affected Ponds
and Rivers of Guwahati Region**



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to
Department of Chemistry
The Assam Royal Global University
For the partial fulfillment of the requirements for the degree of
Master of Science (M.Sc.) in Chemistry
2020-22

Submitted by
SHASHANKA SAIKIA
M.Sc. (4th semester)
Roll No. 204013034
Department of Chemistry
Royal School of Applied and Pure Sciences (RSAPS)
The Assam Royal Global University (RGU)

Under the supervision of

Dr. RAJAN KUMAR

Assistant Professor
Department of Chemistry
Royal School of Applied and Pure Sciences (RSAPS)
The Assam Royal Global University (RGU)
Betkuchi, NH-37, Guwahati-781035

Examined

Anuradha Devi
Dean, RSAPS
The Assam Royal Global University

A Project Work

On

"Application of Copper Complexes as Precursor for Fenton Like Reaction for
Degradation of Acid Orange 7 Dye"



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to

Department of Chemistry

Royal Global University, Guwahati

For the partial fulfillment of the requirements for the degree of Master of

Science (M.Sc.) in Chemistry

Session 2020-2022

Submitted by

Sharifa Akhtar

M.Sc. (4th Semester)

Roll No: 204013033

Department of Chemistry

Examined

Anuradha Devi

Dean, RSAPS

The Assam Royal Global University

A Project Work

On

"Application of Copper Complexes as Precursor for Fenton Like Reaction for Degradation of Acid Orange 7 Dye"



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to

Department of Chemistry

Royal Global University, Guwahati

For the partial fulfillment of the requirements for the degree of Master of
Science (M.Sc.) in Chemistry

Session 2020-2022

Submitted by

Sharifa Akhtar

M.Sc. (4th Semester)

Roll No: 204013033

Department of Chemistry

Examined

Anusudha Deka

Dean, RSAPS
The Assam Royal Global University

A Project Report
On
Micellization of SDS: Effect of inorganic salts



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to
Department of Chemistry
Royal School of Applied and Pure Sciences,
The Assam Royal Global University, Guwahati
For the partial fulfilment of the requirements for the degree of Master of Science (M.Sc.) in
Chemistry
Session 2020-2022

Submitted by
RUBUL AMIN KHAN
M.Sc. (4th Semester)
Roll No: 204013031
Department of Chemistry,
Royal School of Applied and Pure Sciences
The Assam Royal Global University, Guwahati.

Under the supervision of
Dr. SANCHAYITA RAJKHOWA
Assistant Professor,
Department of Chemistry,
(Royal School of Applied and Pure Sciences)
The Assam Royal Global University, Guwahati

Evaluated

Anumudha Devi.
Dean, RSAPS
The Assam Royal Global University

A Project Report
On
Role of Biomolecules on Surfactant Aggregation: CMC Study



Submitted to
Department of Chemistry
Royal School of Applied and Pure Sciences,
The Assam Royal Global University, Guwahati

*For the partial fulfilment of the requirements for the degree of Master of Science (MSc) in
Chemistry
Session 2020-2022*

Submitted by
PANKAJ SARMA
M.Sc. (4th Semester)
Roll No: 204013027
Department of Chemistry,
Royal School of Applied and Pure Sciences
The Assam Royal Global University, Guwahati.

Under the supervision of
Dr SANCHAYITA RAJKHOWA
Assistant Professor,
Department of Chemistry,
(Royal School of Applied and Pure Sciences)
The Assam Royal Global University, Guwahati

Evaluated

Anuradha Devi

Dean, RSAPS
The Assam Royal Global University

A literature review
on
“RECENT ADVANCEMENTS IN HECK REACTION”



ROYAL GLOBAL UNIVERSITY
GUWAHATI

**Department of Chemistry,
Royal Global University, Guwahati**

**For the partial fulfilment of the requirements for the degree of Master of
Science (M.Sc.) in Chemistry
Session 2017-2019**

***Submitted by*
Anamika Das
M.Sc.(4th Semester)
Roll No. 174013006
Registration No. 1170554
Department of Chemistry, RGU**

***Under the supervision of*
Dr. Debojeet Sahu
Assistant Professor,
Department of Chemistry,
(Royal School of Applied & Pure Sciences)
Royal Global University,
Betkuchi, NH-37, Guwahati-781035**

**ROYAL GLOBAL UNIVERSITY
DEPARTMENT OF CHEMISTRY
(ROYAL SCHOOL OF APPLIED AND PURE SCIENCES)
BETKUCHI, NH-37, GUWAHATI-781035**

Anamika Das
Dean, RSAPS
The Assam Royal Global University

Examined

**QUANTUM MECHANICAL STUDY ON STACKING
INTERACTION OF SOME BORAZINE DERIVATIVES WITH
INTERMOLECULAR ROTATION**



**ROYAL GLOBAL UNIVERSITY
GUWAHATI**

**A PROJECT REPORT SUBMITTED FOR THE PARTIAL FULFILMENT
OF THE DEGREE OF MASTER OF SCIENCE (2017-2019)**

Aanchal Patodia
M. Sc - 4th Semester
Roll no: 174013001
Department of Chemistry
Royal Global University, Guwahati

Anumaha Devi
Dean, RSAPS
The Assam Royal Global University



Examine

Under the guidance of
DR. BIPUL BEZBARUAH
Department of Applied Sciences
Gauhati University, Guwahati, Assam

June - 2019

A project report on
Extraction of different parts (leaf and stem) of Datura
Stramonium: GCMS profiling of compounds present
in the extract and Anti-microbial activity test

Dissertation submitted in partial fulfillment of the requirements for the degree
Of

Master of Science (Chemistry) session 2017-2019

The Assam Royal Global University, Assam



**GUWAHATI
BIOTECH PARK**



ROYAL GLOBAL UNIVERSITY
GUWAHATI

By

ADITI HAZARIKA

Roll No.174013002

Registration No.1170550

Under the guidance of

Dr. Madan Gopal Barthakur

(Senior scientist, Guwahati Biotech Park)

2019

Anuradha Devi

Dean, RSAPS

The Assam Royal Global University

Examined

**QUANTUM MECHANICAL STUDY ON STACKING
INTERACTION OF SOME BORAZINE DERIVATIVES WITH
INTERMOLECULAR ROTATION**



ROYAL GLOBAL UNIVERSITY
GUWAHATI

**A PROJECT REPORT SUBMITTED FOR THE PARTIAL FULFILMENT
OF THE DEGREE OF MASTER OF SCIENCE (2017-2019)**

Aanchal Patodia
M. Sc - 4th Semester
Roll no: 174013001
Department of Chemistry
Royal Global University, Guwahati

Anuradha Devi

Dean, RSAPS
The Assam Royal Global University



Examined

Under the guidance of

DR. BIPUL BEZBARUAH

Department of Applied Sciences
Gauhati University, Guwahati, Assam

June - 2019

A project report on
Extraction of different parts (leaf and stem) of Datura
Stramonium: GCMS profiling of compounds present
in the extract and Anti-microbial activity test

Dissertation submitted in partial fulfillment of the requirements for the degree
Of

Master of Science (Chemistry) session 2017-2019

The Assam Royal Global University, Assam



GUWAHATI
BIOTECH PARK



ROYAL GLOBAL UNIVERSITY
GUWAHATI

By

ADITI HAZARIKA

Roll No.174013002

Registration No.1170550

Under the guidance of

Dr. Madan Gopal Barthakur

(Senior scientist, Guwahati Biotech Park)

2019

Anuradha Das

Dean, RSAPS

The Assam Royal Global University

Examined

A dissertation on
**"MECHANICAL AND PHYSICAL PROPERTY EVALUATION OF NATURAL
COIR FIBER COMPOSITE"**

Submitted to



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Department of Chemistry,

Royal Global University, Guwahati

For the partial fulfillment of the requirements of

Master of Science (M.Sc.) in Chemistry

Session: - 2017-19

SUBMITTED BY

BIKASH KUMAR

M.Sc. (4th Semester)

Roll No. : 174013010

Department of Chemistry, RGU

Under the guidance of

DR. HAREKRISHNA DEKA

In-charge of Training Department,

Diploma in Plastic Technology

**CENTRAL INSTITUTE OF PLASTIC ENGINEERING AND TECHNOLOGY,
CHANGSARI, Pin : 781101**

Anuradha Devi
Dean, RSAPS
The Assam Royal Global University
E. Anuradha

**A Review Article
on
Applications of Nanoparticle in Drug Delivery**

**Submitted to
Department of Chemistry,
Royal Global University, Guwahati
For the partial fulfillment of the requirements of
Master of Science (M.Sc.) in Chemistry
Session 2017-2019**



**ROYAL GLOBAL UNIVERSITY
GUWAHATI**

**Submitted by
REZAUL KARIM AHMED
M.Sc. (4th Semester)
RGU
Roll No. : 174013038**

Anuradha Devi
Dean, RSAPS
The Assam Royal Global University

Examined

Under the guidance of
**DR. PUBALEE SARMAH
HOD,
Department of Chemistry
(Royal School of Applied & Pure Science)
Royal Global University, Guwahati**

A dissertation on
**ADSORPTION CHARACTERISTICS OF THE DYE, BRILLIANT GREEN,
ON SILIKHA LEAF POWDER**

Submitted to



**ROYAL GLOBAL UNIVERSITY
GUWAHATI**

Department of Chemistry,

Royal Global University, Guwahati

For the partial fulfillment of the requirements of

Master of Science (M.Sc.) in Chemistry

Session 2017-2019

Submitted by

SAFIKUL ISLAM

M.Sc. (4th Semester)

Roll No: 174013043

Department of Chemistry, RGU

Under the guidance of

Dr. DEBAJANI BASUMATARY

Assistant Professor,

Department of Applied Sciences,

Gauhati University, Guwahati-14

Anusmaha Devi

Dean, RSAPS
The Assam Royal Global University

Examiner

A literature review
on
“RECENT ADVANCEMENTS IN HECK REACTION”



ROYAL GLOBAL UNIVERSITY
GUWAHATI

**Department of Chemistry,
Royal Global University, Guwahati**

**For the partial fulfilment of the requirements for the degree of Master of
Science (M.Sc.) in Chemistry
Session 2017-2019**

***Submitted by*
Anamika Das
M.Sc.(4th Semester)
Roll No. 174013006
Registration No. 1170554
Department of Chemistry, RGU**

Anamika Das

Dean, RSAPS
The Assam Royal Global University

Examined

***Under the supervision of*
Dr. Debojeet Sahu
Assistant Professor,
Department of Chemistry,
(Royal School of Applied & Pure Sciences)
Royal Global University,
Betkuchi, NH-37, Guwahati-781035
ROYAL GLOBAL UNIVERSITY
DEPARTMENT OF CHEMISTRY
(ROYAL SCHOOL OF APPLIED AND PURE SCIENCES)
BETKUCHI, NH-37, GUWAHATI-781035**

A dissertation on
**ADSORPTION CHARACTERISTICS OF THE DYE, BRILLIANT GREEN,
ON SILIKHA LEAF POWDER**

Submitted to



**ROYAL GLOBAL UNIVERSITY
GUWAHATI**

Department of Chemistry,

Royal Global University, Guwahati

For the partial fulfillment of the requirements of

Master of Science (M.Sc.) in Chemistry

Session 2017-2019

Submitted by

SAFIKUL ISLAM

M.Sc. (4th Semester)

Roll No: 174013043

Department of Chemistry, RGU

Under the guidance of

Dr. DEBAJANI BASUMATARY

Assistant Professor,

Department of Applied Sciences,

Gauhati University, Guwahati-14

Anumoha Devi
Dean, RSAPS
The Assam Royal Global University

Examined

A STUDY ON

"A Study on Phytochemical analysis of a few selected Anti-Diabetic Plant"

A report submitted for the partial fulfillment of the requirements

The degree of Master of Science (M.Sc.) in Chemistry

Session 2019-2021

Under

Dr. Biswajit Sharma

Assistant Professor, HOD

Department of Chemistry

(Royal School of Applied and Pure Sciences)

The Assam Royal Global University

Betkuchi, NH-37, Guwahati-781035



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Anusudha Devi
Dean, RSAPS
The Assam Royal Global University

Submitted by

Bhupoti Patgiri

M.Sc. (4th Semester)

Registration no. 1190930

Roll no. 19401300

Examined

PROJECT
on
**“OXIDATION OF ALCOHOL BY IRON NANOCATALYST
SYNTHESIZED FROM IRON NANOPARTICLE OF LEMON LEAF
EXTRACT”**



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to
Department of Chemistry
Royal School of Applied and Pure Sciences
Royal Global University, Guwahati

For the partial fulfilment of the requirements for the degree of
Master of Science (M.Sc.) in Chemistry
Session 2019-2021

Submitted by
UJJAL SAIKIA
M.Sc. (4th Semester)
Roll No. 194013046

Under the supervision of
Dr. Debojeet Sahu
Assistant Professor
Department of Chemistry
Royal School of Applied and Pure Sciences
Royal Global University, Betkuchi, NH-37, Guwahati – 781035

Anuradha Devi
Dean, RSAPS
The Assam Royal Global University

Examined

A STUDY ON

"A Study on Phytochemical analysis of a few selected Anti-Diabetic Plant"

A report submitted for the partial fulfillment of the requirements

The degree of Master of Science (M.Sc.) in Chemistry

Session 2019-2021

Under

Dr. Biswajit Sharma

Assistant Professor, HOD

Department of Chemistry

(Royal School of Applied and Pure Sciences)

The Assam Royal Global University

Betkuchi, NH-37, Guwahati-781035



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Anuradha Devi
Dean, RSAPS
The Assam Royal Global University

Submitted by

Bhupoti Patgiri

M.Sc. (4th Semester)

Registration no. 1190930

Roll no. 19401300

Exvini

A Project Report
On
"REMOVAL OF DYES BY ADSORPTION PROCESS"



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted To
Department Of Chemistry
Royal Global University, Guwahati
For Partial Fulfillment of the Requirements of Master of
Science (M.Sc.) in Chemistry
Session 2019-2021

Submitted By
SHAZID IKBAL HUSSAIN
M.Sc. (4th Semester)
Roll No.194013041
Department of Chemistry, RGU

Under the supervision of
Dr. UTTAM THAPA
Assistant Professor,
Department of Chemistry,
(Royal School of Applied and Pure Sciences)
Royal Global University,
Betkuchi, NH-37, Guwahati-781035

Anusudha Devi
Dean, RSAPS
The Assam Royal Global University

Examined

A REVIEW ON HECK REACTION

Submitted to:

Department of Chemistry,

Royal Global University, Guwahati

For the partial fulfillment of the requirement for the degree of Master of Science

(M.Sc.) in Chemistry

Session : 2019-2021

Submitted by:

Naim Azahar

M.Sc. 4th Semester

Roll No. 194013027

Department of Chemistry

Royal School of Applied & Pure sciences

Royal Global University, Guwahati

Under the supervision of:

Dr. Debojeet Sahu

Assistant Professor

Department of Chemistry

Royal School of Applied & Pure Sciences

Royal Global University

Betkuchi, NH-37, Guwahati-781035

Anusudha Devi
Dean, RSAPS
The Assam Royal Global University

Examined



ROYAL GLOBAL UNIVERSITY
GUWAHATI

ROYAL GLOBAL UNIVERSITY
DEPARTMENT OF CHEMISTRY
(ROYAL SCHOOL OF APPLIED AND PURE SCIENCES)
BETKUCHI, NH-37, GUWAHATI-781035



ROYAL GLOBAL UNIVERSITY
GUWAHATI

CERTIFICATE

This is to certify that the review article entitled "*Fundamental and Applications of Photochemical and Photocatalytic Water Splitting Reactions*" carried out by Pallavjyoti Konwar, a student of M.Sc. 4th semester having Roll No. 184013031, Department of Chemistry, Royal Global University has been successfully completed in his literature review survey under our supervision.

Examin

Anuradha Devi

Dean, RSAPS
The Assam Royal Global University

Akalakal
25/10/21
Mr. Anup Malakar

Signature of supervisor
Department of Chemistry,
Royal Global University,
Guwahati-781035

A REVIEW ON ANTIVIRAL PLANTS OF NORTHEAST

Submitted to:

**Department of Chemistry,
Royal Global University, Guwahati**

For the partial fulfilment of the requirement for the degree of Master of Science

**(M.Sc.) in Chemistry
Session : 2019-2021**

Submitted by:

**Rampauposing Heloing
M.Sc. 4th Semester
Roll No. 194013035
Department of Chemistry
Royal School of Applied & Pure Sciences
Royal Global University, Guwahati**

Under the supervision of:

**Dr. Debojit Sahu
Assistant Professor
Department of Chemistry
Royal School of Applied & Pure Sciences
Royal Global University
Betkuchi, NH-37, Guwahati-781035**



**ROYAL GLOBAL UNIVERSITY
GUWAHATI**

Anusmaha Devi

Dean, RSAPS

The Assam Royal Global University

Exam

*A Literature review
On
Production of energy from biomass*



ROYAL GLOBAL UNIVERSITY
GUWAHATI

**Submitted to
Department of Chemistry
Royal Global University, Guwahati
For the partial fulfilment of the requirements for the degree of Master
of
science (M. Sc) in Chemistry
Session-2019-2021**

Examined

Submitted by

Almamun

M.Sc.(4th Semester)

Roll No: 194013002

Regn. No: 1190924

Department of Chemistry, RGU

Under the Supervision of

Dr. Debojeet Sahu

Assistant Professor

Department of Chemistry

(Royal School Of Applied And Pure Sciences)

Royal Global University, Bethkuchi, NH-37

Anuradha Devi
Dean, RSAPS
The Assam Royal Global University

A PROJECT WORK
On
**Preparation of Activated Charcoal from Rice Husk and Orange Peel
by Thermal Analysis**



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to
Department of Chemistry,
Royal Global University, Guwahati.

For the partial fulfilment of the requirements for the degree of
Masters of Science (M.Sc.) in Chemistry
Session 2020-22

Submitted by
Bibhuti Bhusan Roy
MSc (4th Semester)
Roll No. 204013008

Under the supervision of
Dr. Anup Malakar
Assistant Professor
Department of Chemistry,
Royal School of Applied and Pure Sciences
Royal Global University,
Betkuchi, NH-37, Guwahati-781035

Evaluated

Anandha Devi

Dean, RSAPS
The Assam Royal Global University

A Project Report on
Effect of Electrolytes on CMC of
Surfactant



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to-

Department of Chemistry

Royal School of Applied and Pure Sciences

The Assam Royal Global University

For the fulfillment of the requirements for the degree of Master of Science

(M.Sc.) in Chemistry

Session 2020-2022

Submitted by-

Abu Taleb

M.Sc (4th Semester)

Roll No. 204013001

Department of Chemistry

Royal School of Applied and Pure Sciences, RGU

Under the supervision of

Dr. Sanchayita Rajkhowa

Assistant Professor

Department of Chemistry,

Royal School of Applied and Pure Science, RGU

Betkuchi, NH-37, Guwahati-781035

Examined

Anuradha Devi
Dean, RSAPS

The Assam Royal Global University

A project report on
“Betel Nut Derived Resources for Management of Amphiphilic Organic Waste”



ROYAL GLOBAL UNIVERSITY
GUWAHATI



Submitted to
Department of Chemistry
Royal Global University, Guwahati
For the partial fulfillment of the requirements for the degree of
Master of Science (M.Sc) in Chemistry
2020-2022

Submitted by
ALMINA KHATUN
M.Sc. (4th semester)
Roll No-204013003
Department of Chemistry
The Assam Royal Global University

Under the supervision of
Dr. RAJAN KUMAR
Assistant Professor
Department of Chemistry
Royal School of Applied & Pure Science (RSAPS)
The Assam Royal Global University
Betkuchi, NH- 37, Guwahati- 781035

Evaluated

Anurupa Devi
Dean, RSAPS
The Assam Royal Global University

**SYNTHESIS OF IRON NANOPARTICLES FROM NATURAL EXTRACT
AND PERFORMING ALCOHOLOXIDATION**



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted By

JEEMANI DEVI

M.Sc. 4th semester

Roll No: 204013016

Department of chemistry, RGU

Session: 2020-2022

Under the supervision of

Dr. DEBOJEET SAHU

ASSISTANT PROFESSOR

Department of chemistry

ROYAL GLOBAL UNIVERSITY, GUWAHATI

Evaluated

Anuradha Devi

Dean, RSAPS

The Assam Royal Global University

A Project report
On
**Engineering Polymeric Material for Adsorption of Synthetic
Dye from Dye-Treated Water**



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to
Department of Chemistry
Royal Global University, Guwahati
For the partial fulfilment of the requirements for the degree of
Master of Science (M.Sc.) in Chemistry
Session 2020-2022

Submitted by

JANARDAN PHUKAN

M.Sc. (4th Semester)
Roll No: 204013015
Department of Chemistry, RGU

Under the supervision of

DR. RAJAN KUMAR

Assistant Professor,
Department of Chemistry, RSAPS
The Assam Royal Global University
Betkuchi, NH-37, Guwahati-781035

Anuradha Devi
Dean, RSAPS
The Assam Royal Global University

Examined

A Project work
on
**“DEGRADATION OF CONGO RED BY COPPER(II) OXALATE USING FENTON TYPE
REACTION ”**



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to

Department of Chemistry

Royal Global University, Guwahati

For the partial fulfillment of the requirements for the degree of Master of

Science (M.Sc.) in Chemistry

Session 2020-2022

Submitted by

IJAJUL HOQUE

M.Sc. (4th Semester)

Roll No: 204013014

Department of Chemistry, RGU

Under the supervision of

Dr. Anup Malakar

Assistant Professor,

Department of Chemistry,

(Royal School of Applied and Pure Sciences)

Royal Global University,

Betkuchi, NH-37, Guwahati-781035

E. Valmsted

Amrinda Devi
Dean, RSAPS
The Assam Royal Global University

A Project Work On
“Exploring Mechanical and Antibacterial properties of Char
Composite using Reinforced polymer”



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to

Department of Chemistry
Royal Global University, Guwahati

For the partial fulfillment of the requirements for the degree of Master of
Science (M.Sc.) in Chemistry
Session 2020-2022

Submitted by

Dikshita Sarma
M.Sc. (4th Semester)
Roll No: 204013010
Department of Chemistry, RSAPS
Assam Royal Global University

Under the supervision of

Dr. Debojeet Sahu
Assistant Professor,
Department of Chemistry, RSAPS
Royal Global University,

Anumolha Devi

Dean, RSAPS
The Assam Royal Global University

Examined

A Project Work
On
“production of Bio plastic from potato peel and Banana peel”



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to
Department of Chemistry
Royal Global University, Guwahati
For the partial fulfillment of the requirements for the degree of Master of
Science (M.Sc.) in Chemistry
Session 2020-2022

Submitted by
Subrata Dey
M.Sc. (4th Semester)
Roll No: 204013037
Registration No. :-1201109
Department of Chemistry, RGU

Under the supervision of
Dr. Biswajit Sarma
Associate Professor, HOD
Department of Chemistry,
(Royal School of Applied and Pure Sciences)
Royal Global University,
Betkuchi, NH-37, Guwahati-781035

Anuradha Devi
Dean, RSAPS
The Assam Royal Global University

Evaluated

A PROJECT
On
Green Synthesis of Silver Nanoparticles and Their Antibacterial Activities



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to
Department of Chemistry
Royal School of Applied and Pure Sciences
The Assam Royal Global University, Guwahati
For the partial fulfilment of the requirements for the degree of
Master of Science (M.Sc.) in Chemistry

Session 2020-2022

Submitted by

Aysha Siddika

M.Sc. (4th Semester)

Roll No. 204013006 Reg. No: 1201079

Under the supervision of

Dr. Debojit Sahu

Assistant Professor

Department of Chemistry

Royal School of Applied and Pure Sciences

The Assam Royal Global University, Betkuchi, NH-37, Guwahati – 781035

1

Aysha Siddika

Anumolha Devi

Dean, RSAPS
The Assam Royal Global University

**A Project report
ON
Green Synthesis of Silver Nanoparticles Using Medicinal Plant
Extract and Their Antibacterial Activities**



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to
Department of Chemistry
Royal School of Applied and Pure Sciences
The Assam Royal Global University, Guwahati

For the partial fulfillment of the requirements for the degree
of Master of Science (M.Sc.) in Chemistry
Session 2020-2022

Submitted by
MONTAZUL ALOM PERVEZ
M.Sc. (4th Semester)
Roll No: 204013024
Department of Chemistry,
Royal School of Applied and Pure Sciences
The Assam Royal Global University, Guwahati

Evaluated

Under the Guidance of
Dr. DEBOJEET SAHU
Assistant Professor
Department of Chemistry
Royal School of Applied and Pure Sciences
The Assam Royal Global University, Guwahati

Anumoha Devi
Dean, RSAPS
The Assam Royal Global University

A Project
On
"Study the Effect of Sodium Salt on the CMC of Anionic Surfactant"



ROYAL GLOBAL UNIVERSITY
GUWAHATI

Submitted to
Department of Chemistry
Royal Global University, Guwahati
For the partial fulfillment of the requirements for the degree of Master of Science (M.Sc.)
in Chemistry
Session 2020-2022

Submitted by
MASUM RABBICK
M.Sc. (4th Semester)
Roll No: 204013022
Department of Chemistry,
Royal School of Applied and Pure Sciences
The Assam Royal Global University, Guwahati

Under the supervision of
Dr. SANCHAYITA RAJKHOWA
Assistant Professor,
Department of Chemistry,
(Royal School of Applied and Pure Sciences)
The Assam Royal Global University, Guwahati

Examined

Anuradha Devi
Dean, RSAPS

The Assam Royal Global University