

CRITERION 1

CURRICULAR ASPECTS

METRIC NO. 1.3.3

M.Sc. Biotechnology

Field Work / Research Project / Internship









A STUDY ON GREEN SYNTHESIS OF SILVER AND ZINC NANOPARTICLES USING ENHYDRA FLUCTUATIONS & TRIGONELLA FOENUM-GRAECUM LEAF EXTRACT FOR EVALUATION OF THEIR ANTIMICROBIAL ACTIVITY

A dissertation submitted for partial fulfilment of the requirement for the degree of Master of Science in biotechnology of



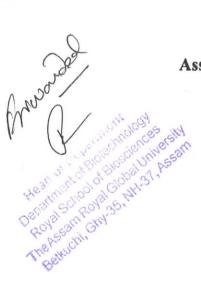
Submitted by

Saahana Syed Juhi Examination Roll No- 184151011 Registration no:1181063

Under the Supervision of

Dr. Rupesh Kumar
Assistant Professor
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Assam Royal Global University
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Session: 2018-2020





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CERTIFICATE OF THE SUPERVISOR

This is to certify that Ms. Saahana Syed Juhi, student of M.Sc. final semester, Department of Biotechnology has worked on the project entitled "Green Synthesis of Silver and Zinc Nanoparticles Using Enhydra fluctuans & Trigonella foenum-graecum Leaf Extract for Evaluation of Their Antimicrobial Activity" under my supervision towards the partial fulfillment of the award of the degree of M.Sc. in Biotechnology under The Assam Royal Global University, Guwahati.

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Place: RGU, Guwahti

Dr. Rupesh Kumar

Date:13-08-2020

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CITRUS MAXIMA (BURM.) MERR. FRUIT JUICE AND PEEL EXTRACT MEDIATED SYNTHESIS OF SILVER NANOPARTICLES (AgNPs) AND IT'S APPLICATION IN ANTIMICROBIAL ACTIVITY & ENHANCEMENT OF PLANT GROWTH

A dissertation report submitted to The Assam Royal Global University, Guwahati in partial fulfilment for the award of the degree of Master of Science in Biotechnology



Submitted By:

ABHIJIT SONOWAL

M.Sc. in Biotechnology (4th Semester) Roll No-184151001 Reg. No.: 1181053

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Department of Biotechnology **Royal School of Biosciences** Assam Royal Global University, Guwahati-781035

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CERTIFICATE

This is to certify that Mr. Abhijit Sonowal, student of M.Sc. in Biotechnology final semester of this department has undergone his project work entitled "Citrus maxima (Burm.) Merr. fruit juice and peel extract mediated synthesis of silver nanoparticles (AgNPs) and its application in antimicrobial activity & enhancement of plant growth", under my supervision and guidance towards the partial fulfilment of the award of the degree of M.Sc. in Biotechnology under Assam Royal Global University, Guwahati.

During the period his conduct was found satisfactory and I wish him all the success in his future.

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Debisit Born 21/08/2020 Dr. Debajit Borah

(Supervisor)

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GREEN SYNTHESIS OF SILVER NANOPARTICLES USING CITRUS AURANTIFOLIA AND THEIR ANTIMICROBIAL ACTIVITY

A dissertation report submitted for partial fulfillment of the Requirements for the Award of the degree of the Masters of Science in Biotechnology



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This is to certify that Mousumi Mahanta, student of M.Sc. final semester, Department of Biotechnology has worked on the project entitled "Green synthesis of silver nanoparticles using Citrus aurantifolia and their antimicrobial activity" under my supervision towards the partial fulfillment of the award of the degree of M.Sc. in Biotechnology under The Assam Royal Global University, Guwahati.

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Dr. Rupesh Kumar Gupta

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A study on

PHLOGACANTHUS THYRSIFORMIS FLOWER EXTRACT MEDIATED GREEN SYNTHESIS OF ZINC OXIDE NANOPARTICLES AND THEIR ANTI-MICROBIAL ACTIVITY AGAINST M. SMEGMATIS

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

Master of Science in Biotechnology

Under



Submitted by:

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Royal School of Biosciences
Department of Biotechnology
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Registration No.: 1191293
Roll No.: 194151016

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Dr. Bhaskarjyoti Gogoi, Ph.D.

Assistant Professor Department of Biotechnology Royal School of Diosciences Ph. No: 9854146208 (M) Email ID: bgogott@rgu.ne

CERTIFICATE OF THE PRINCIPAL SUPERVISOR

This is to certify that the work presented in the thesis entitled "Phlogacanthus thyrsiformis flower extract mediated Green Synthesis of Zinc Oxide Nanoparticles and their Anti-Microbial activity against M. Smegmatis" submitted to the Department of Biotechnology, School of Biosciences, The Assam Royal Global University in partial fulfillment for the award of the degree of Master of Science in Biotechnology is a record of project work carried out by Ms Priyanka Chhetri under my supervision. She has fulfilled the requirements of the rules and regulations related to the nature and prescribed period of research at The Assam Royal Global University.

All helps received from various sources have been duly acknowledged.

No part of this thesis has been submitted elsewhere for award of any degree.

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A study on

Development of Anti-Diabetic Ready to Eat Food

A report submitted in partial fulfilment of the Requirements for the degree of the Masters of Science in Biotechnology.

Under



Submitted by:

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Assistant Professor Department of Biotechnology Royal School of Biosciences Ph. No: 9854346208 (M) Email ID: bgogoil@rgu.ac

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This is to certify that the work presented in the thesis entitled "Development of Anti-Diabetic Ready to Eat Food" submitted to the Department of Biotechnology, School of Biosciences, The Assam Royal Global University in partial fulfillment for the award of the degree of Master of Science in Biotechnology is a record of project work carried out by Ms. Priyamvada Sharma under my supervision. She has fulfilled the requirements of the rules and regulations related to the nature and prescribed period of research at The Assam Royal Global University.

All helps received from various sources have been duly acknowledged.

No part of this thesis has been submitted elsewhere for award of any degree.

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Place: Guwahati, Assam

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(Bhaskarjyoti Gogoi)

Betkuchi, (Opposite to Tirupati Balaji Temple), Guwahati-781035, Assam (India)

Department of Biotechnology Royal School of Biosciences The Assam Royal Global University Betkuchi, Ghy-35, NH-37, Assam

A study on

Production of Musa acuminata (banana) wine with longer shelf life

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

of

Master of Science in Biotechnology

Under



Submitted by:

K. Monica Khrasi

Royal School of Biosciences

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This is to certify that Ms. K. Monica Khrasi, a student of M.Sc. in Biotechnology (roll no. 194151006) final semester of this department had undergone their project work entitled "Production of Musa acuminata (banana) wine with longer shelf life", under my supervision and guidance towards the partial fulfillment of the award of the degree of M.Sc. in Biotechnology under the Assam Royal Global University, Guwahati.

During the period her conduct was found satisfactory and I wish her all the success in her future endeavors.

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Debajit Borah (Supervisor)

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PRODUCTION OF INDUSTRIAL GRADE GOOSEBERRY FRUIT WINE WITH LONGER SHELF LIFE AND ESSENTIAL NUTRITIONAL VALUES

A dissertation report submitted in partial fulfillment of the requirements for the degree of

Master of Science in Biotechnology

Under



Submitted by:

Emili Das

Royal School of Biosciences

Department of Biotechnology

Master of Science in Biotechnology

Registration No: 1191280

Roll No: 194151003

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This is to certify that Ms. Emili Das, student of M.Sc. in Biotechnology final semester of this department has undergone her project work entitled "Production of industrial grade gooseberry fruit wine with longer shelf life and essential nutritional values", under my supervision and guidance towards the partial fulfilment of the award of the degree of M.Sc. in Biotechnology under the Assam Royal Global University, Guwahati.

During the period her conduct was found satisfactory and I wish her all the success in her future endeavours.

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Dr. Debajit Borah

(Supervisor)

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ISOLATION AND PARTIAL CHARACTERIZATION OF PROBIOTIC MICROORGANISMS FROM A FEW TRADITIONALLY USED FERMENTED FOODS OF NORTH-EAST INDIA

A Report submitted in partial fulfillment of the requirements for the degree of Master of Science in Biotechnology

Under

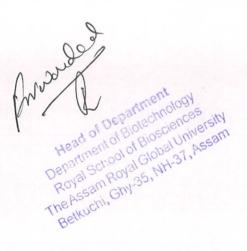


Submitted by:

Daisy Narzary
Royal School of Bio-Science

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This is to certify that the work presented in the thesis entitled "Isolation and partial characterization of probletic microorganisms from a few traditionally used fermented foods of North-East India" submitted to the Department of Biotechnology, School of Biosciences, The Assam Royal Global University in partial fulfillment for the award of the degree of Master of Science in Biotechnology is a record of project work carried out by Daisy Narzaryunder my supervision. He/She has fulfilled the requirements of the rules and regulations related to the nature and prescribed period of research at The Assam Royal Global University.

All helps received from various sources have been duly acknowledged.

No part of this thesis has been submitted elsewhere for award of any degree.

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ISOLATION AND PARTIAL CHARACTERIZATION OF PROBIOTIC MICROORGANISMS FROM A FEW TRADITIONALLY USED FERMENTED FOODS OF BOKO, ASSAM

A Report submitted in partial fulfillment of the requirements for the degree of Masters of Science in Biotechnology

Under



Submitted by:

Sumita Rabha

Royal School of Bio-Science

Department of Biotechnology

Registration No: 1201388

Roll no: 204151015

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This is to certify that the work presented in the thesis entitled "Isolation and partial characterization of probiotic microorganisms from a few traditionally used fermented foods of North-East India" submitted to the Department of Biotechnology, School of Biosciences, The Assam Royal Global University in partial fulfillment for the award of the degree of Master of Science in Biotechnology is a record of project work carried out by Sumita Rabhaunder my supervision. He/She has fulfilled the requirements of the rules and regulations related to the nature and prescribed period of research at The Assam Royal Global University.

All helps received from various sources have been duly acknowledged.

No part of this thesis has been submitted elsewhere for award of any degree.

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Date: (Dr. Bhaskarjyoti Gogoi)

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January 11