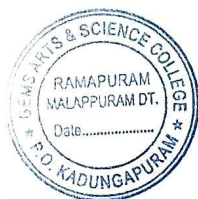
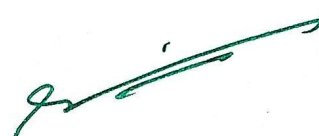


ACTIVITY REPORT

POTENTIAL SECONDARY METABOLITES FOCUSING COLORECTAL CANCER FROM NATURAL SOURCES

The project proposal entitled 'Potential Secondary Metabolites focusing Colorectal Cancer from Natural Sources' was submitted to the scheme DBT Initiative on Chemical Ecology of the North East Region (NER) of India by Dr. Finose A (Principal Investigator), Assistant professor, PG Department of Microbiology, GEMS Arts and Science College. The Co-PI for the project was Dr. Papia Dutta, Assistant Professor, Chemistry, Faculty of Science, Assam down town University, Guwahati, Assam




Dr. NAVEEN MOHAN
PRINCIPAL
GEMS ARTS AND SCIENCE COLLEGE
KADUNGAPURAM (PO), RAMAPURAM
MALAPPURAM DT., KERALA-679 321



Project Proposal On

"POTENTIAL SECONDARY METABOLITES FOCUSING COLORECTAL CANCER FROM NATURAL SOURCES -[41790]"

Submitted to:

**Department of Biotechnology
Ministry of Science and Technology
Government of India
New Delhi, India**

**Submitted By
Project Coordinator:**

**Dr. Papia Dutta
(ASSAM DOWN TOWN UNIVERSITY - Guwahati)**



Part 1: General Information



1. Name of the Institute/University/Organisation submitting the Project Proposal :

ASSAM DOWN TOWN UNIVERSITY

2. State: Assam

3. Status of the Institute: NGO/VO/Foundation/Trust

4. Designation of the Executive Authority of the Institute/University forwarding the application :

DR. NAREN DUTTA

5. Project Title :

POTENTIAL SECONDARY METABOLITES FOCUSING COLORECTAL CANCER FROM NATURAL SOURCES -[41790]

6. Category of the Project R & D [1]

:

7. Specific Area : NER Programme

Is the Proposal Submitted Under Specific Call for Proposal: Yes

8. Project Duration : 3 Years and 0 Months

9. Project Total Cost (Rs): 4961000.00



10. **Single/Multiple-Institutional:** Multi-Institute

11. **If the project is multi-institutional, please furnish the following :**

Project Coordinator : Dr.Papia Dutta

Affiliation : Assistant Professor in Chemistry, Faculty of Sciences, Assam down town University

Address : Assam down town University, Sankar Madhab Path, Gandhinagar, Panikhaiti, Assam 781026

12. **Project Keywords:** Cancer, Cardiovascular diseases, pharmacology, epidemiology, medicinal herbs, secondary metabolites, bioactivity.

13. **Require Regulatory Clearance:** No

Uploaded Regulatory Clearance Document: **Not uploaded**

14. **Require Ethical Clearance:** No

15. **Industry Collaboration:** No

16. **Project Summary (Not to exceed one page. Please use separate sheet).**

Cancer is one of the leading causes for death in India & abroad. In spite of remarkable advancements in the field of diagnosis and treatment, it's still a major threat to our society. It's the second most common disease after cardiovascular disorders for maximum



deaths in the world. The usual consumption of traditional herbs has also been observed in several ethnic communities as they have been passed from ancestral generations to the present. The medicinal herb is a plant or a part used for therapeutic properties. It is a widely recognized fact that many pharmacologically active drugs are derived from natural resources. Epidemiological evidences also focus on herbs as dietary constituents with multiple anticancer characteristics. It would be crucial to define appropriate strategies to achieve benefits from medicinal herbs. The main aim here is to isolate and characterize a secondary metabolite with anticancer potential and can be further assayed for other bioactivity studies with patenting.

Part 2: Particulars of Investigators



Principal Investigator:

1) Name: Dr. Papia Dutta

Date of Birth: 16/09/1985

Designation : Assistant Professor

Department: Chemistry

Institute/University: ASSAM DOWN TOWN UNIVERSITY

Address: Assam down town University, Sankar Madhab Path,
Gandhi Nagar, Panikhaiti, Guwahati, Kamrup (M), Assam,
India

Pin: 781026

Email: papiadutta3@gmail.com

Fax: 0

Phone: 8638979093

Number of Projects being submitted/pursued/carried out by PI(s): 2

2) Name: Dr. Finose Assamakkantath



Date of Birth: 25/04/1985

Designation : Assistant Professor

Department: Microbiology

Institute/University: GEMS Arts and Science College

Address: GEMS Arts and Science College (Affiliated to University of Calicut) Kadungapuram(PO) Ramapuram, Malappuram (Dist) Kerala - 679321

Pin: 679321

Email: finose.sunny@gmail.com

Fax: 0

Phone: 8075498763

Number of Projects being submitted/pursued/carried out by PI(s): 0

Co-Investigator: