



NALBARI COLLEGE

ESTD-1945

NALBARI-781335 (ASSAM)

Accredited "B" Grade by NAAC

Website: www.nalbaricollege.ac.in E-mail: nalbaricollege1945@gmail.com

Mobile: +9194353-10880

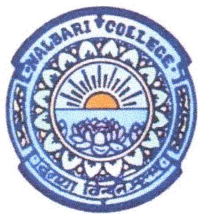
Fax: 03624-220241

CRITERION-III

RESEARCH, INNOVATION AND AND EXTENSION



Submitted to
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
Bangalore, India, Pin-560072



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Ref. No.:

Date: 04/05/2024

DECLARATION

I hereby declare that the data furnished and the documents submitted herein are true and authentic to the best of my knowledge and belief.



(Dr. Kamal Nayan Patowary)

Principal,
Nalbari College, Nalbari
Principal
Nalbari College, Nalbari
Nalbari : Assam



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Supporting Documents for Criteria III

3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs) :7.65

3.1.1.1: Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs) :7.65

2022-23	2021-22	2020-21	2019-20	2018-19
7.15	0.5	Nil	Nil	Nil

Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned INR in Lakhs	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Tarini Charan Talukdar Memorial Project	Dr. Goutam Choudhury	Sanskrit	2022	0.5	One year	T.C. Meomrial Trust	Non Government
Development of an Autologous Endophytic Bacterial Consortium to Enhance Seed Germination and Growth Promotion of 'Kopou phul' (Rynchostylis retusa), the State Flower of Assam	Dr. Rupak Kumar Sarma	Botany	2022	7.15	Two years	DBT-Advanced Level State Biotech Hub (Assam)	Government

(Dr. Kamal Nayan Patowary)
Principal
Nalbari College, Nalbari



**DIRECTORATE OF RESEARCH (VETERINARY)
ASSAM AGRICULTURAL UNIVERSITY
KHANAPARA, GUWAHATI-781022**

ORDER

With the approval of the Hon'ble Vice-Chancellor, Assam Agricultural University, sanction is hereby accorded for implementation of the research project entitled "Development of an Autologous Endophytic Bacterial Consortium to Enhance Seed Germination and Growth Promotion of 'Kopou phul' (*Rhynchosyilis retusa*), the State Flower of Assam" for a period of 2 years at a total cost of Rs. 7,15,000.00 (Rupees Seven lakhs fifteen thousand only) under the 'Microgrant' component of the DBT-funded Advanced Level State Biotech Hub (ALSBT Hub) project on the terms and conditions detailed hereunder –

1. The Project:

1.1 Title: 'Development of an Autologous Endophytic Bacterial Consortium to Enhance Seed Germination and Growth Promotion of 'Kopou phul' (*Rhynchosyilis retusa*), the State Flower of Assam'

1.2 Name and address of the investigators:

Principal Investigator: Dr. Rupak Kumar Sarma, Assistant Professor, Department of Botany, SBMS College, Sualkuchi, Assam – 781103

Collaborating PI, if any: Dr. Luit Moni Barkalita, Assistant Professor, Dept. of Animal Biotechnology, College of Veterinary Science, AAU, Khanapara, Guwahati-781022

1.3 Objectives:

1. To isolate and characterize the plant growth-promoting endophytic bacteria colonizing inside different plant organs (aerial roots, stems, and leaves) of *Rhynchosyilis retusa*
2. To examine the *in vivo* seed germination and growth-promoting activity of the potential PGP (plant growth promoting) endophytes in the host plants

1.4 Time schedule: The duration of the project is 2 years from the date of this sanction order.

1.5 Project cost:

1.5.1 The total cost of the project cost is Rs. 7,15,000.00 (Rupees Seven lakhs fifteen thousand only) as per the details given below:

A. For the PI:

Budget head	Year I (Rs.)	Year II (Rs.)	Total (Rs.)
A. Non-recurring:			
Equipment and accessories	1,50,000.00	-	1,50,000.00
Subtotal (A)	1,50,000.00	-	1,50,000.00
B. Recurring:			
Consumables	1,40,000.00	80,000.00	2,20,000.00
Contingencies	40,000.00	10,000.00	50,000.00
Travel	20,000.00	10,000.00	30,000.00
Others, if any	-	-	-
Overhead charges	10,000.00	5,000.00	15,000.00
Subtotal (B)	2,10,000.00	1,05,000.00	3,15,000.00
Total (A+B)	3,60,000.00	1,05,000.00	4,65,000.00

B. For the Collaborating PI:

Budget head	Year I (Rs.)	Year II (Rs.)	Total (Rs.)
A. Non-recurring:			
Equipment and accessories	-	-	-
Subtotal (A)	-	-	-
B. Recurring:			
Consumables	1,30,000.00	1,00,000.00	2,30,000.00
Contingencies	10,000.00	10,000.00	20,000.00
Travel	-	-	-
Others, if any	-	-	-
Overhead charges	-	-	-
Subtotal (B)	1,40,000.00	1,10,000.00	2,50,000.00
Total (A+B)	1,40,000.00	1,10,000.00	2,50,000.00

1.6. Equipment: Details of the equipment sanctioned for the project are given at Annexure-I.

2.1. Terms and conditions:

Detailed Terms and Conditions of the grant are given separately at Annexure-II.

2.2. Memorandum of Agreement: A Memorandum of Agreement (MoA) will be signed between the Director of Research (Veterinary), AAU and the grantee institution on a non-judicial stamp paper of Rs. 100.00 in the enclosed format and the release of grants will be subject to submission of signed MoA and Terms & Conditions of the grant.

(Niranjan Kalita)
Director of Research (Veterinary)
AAU, Khanapara, Guwahati-22

Memo No. 99/DRV/341/2022-23/Microgrants/ 5050-59

Dated: 31.10.22

Copy for information and necessary action to:

1. The Secretary to the Hon'ble Vice-Chancellor, Assam Agricultural University, Jorhat-785013. This has reference to the Hon'ble Vice-Chancellor's approval in the N¹³, Dated 15.10.2022
2. The Registrar, AAU, Jorhat-785013
3. The Comptroller, AAU, Jorhat-785013
4. Dr. P. Borah, Professor & Head, Dept. of Animal Biotechnology and Project Coordinator, DBT-funded ALSBT Hub project, College of Veterinary Science, AAU, Khanapara, Guwahati-781022
5. The Principal, SBMS College, Sualkuchi, Assam – 781103.
6. Dr. Rupak Kumar Sarma, Assistant Professor, Department of Botany, SBMS College, Sualkuchi, Assam – 781103.
7. Dr. Luit Moni Barkalita, Collaborating PI & Assistant Professor, Dept. of Animal Biotechnology, College of Veterinary Science, AAU, Khanapara, Guwahati-781022
8. Dy. Comptroller, AAU, Khanapara, Guwahati-22
9. Account Section, Directorate of Research (Vety.), AAU, Khanapara, Guwahati-781022
10. Office copy

(Niranjan Kalita)
Director of Research (Veterinary)
AAU, Khanapara, Guwahati-22

LIST OF APPROVED EQUIPMENT

Details of equipment sanctioned for the implementation of the project entitled, "Development of an Autologous Endophytic Bacterial Consortium to Enhance Seed Germination and Growth Promotion of 'Kopou phul' (*Rynchosyilis retusa*), the State Flower of Assam"

Sl. No.	Name of the equipment	Number	Cost (Rs.)
1.	Rotary Shaker	1	1,50,000.00
	Total	1	1,50,000.00


(Niranjana Kalita)
Director of Research (Veterinary)
AAU, Khanapara, Guwahati-22



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Ref.:

Date: 20/05/2022

To,

Dr. Gautam Choudhury
Assistant Professor,
Department of Sanskrit,
Nalbari College, Nalbari

Sub: Financial Assistance for undertaking Research Project under Prof. Tarini Charan Talukdar Memorial Research Fellowship-2022.

Dated: Nalbari the 20th May, 2022

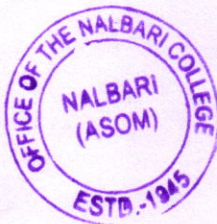
Sir,

With reference to the proposal submitted by you for financial assistance under the above scheme, you are selected for financial assistance under the above scheme for undertaking the research project on Rare Manuscripts of Kamrup Sanskrit Sanjivani Sabha: A Survey. A grant of **Rs 50,000/- (Rupees Fifty thousand only)** has been approved for undertaking the research project for the items listed below:

Items	Amount
Books & Journals	Rs. 10,000.00
Field work & Travel	Rs. 30,000.00
Contingency (including special needs)	Rs. 10,000.00
Grand Total	Rs. 50,000.00

Terms and Conditions:

- (1) The duration of the fellowship will be of one year.
- (2) The date of commencement will be from the date release of first installment.
- (3) The total grant of the fellowship is **Rs 50,000/-**
 - i. Recurring expenditure: Rs 30,000/-
 - ii. Books grant: Rs 10,000/-
 - iii. Contingency: Rs 10,000/-
- (4) The first installment will be 50% of the total grants (i.e. **Rs 25,000/-**)
- (5) A progress report is to be submitted on completion of 8 months.
- (6) The second installment will be released after the submission of final report along with an audited statement of expenditure. It will cover 30% of the total grants (i.e. **Rs 15,000/-**)
- (7) The Research work must be published in UGC-CARE List Journals.
- (8) The final installment (i.e. **Rs 10,000/-**) will be released after the publication of the research paper in UGC-CARE List Journals



(Dr. Kamal Nayan Patowary)
Chairman & Principal
Nalbari College, Nalbari
Principal
Nalbari College, Nalbari
Nalbari : Assam