

# **Research Projects**

- 1. Dr. Krishna Gangopadhyay**
- 2. Dr. Ujjwal Kumar Pahari**

**R &D Project entitled**

**DEVELOPING PHYSIOLOGICAL, CELLULAR AND  
MOLECULAR MARKERS TO UNDERSTAND SURVIVAL  
STRATEGY AND PATTERN DIVERSITY FOR FISHES  
ALONG ALTITUDINAL GRADIENT IN FOOTHILLS OF  
THE EASTERN HIMALAYAS**

**Dr. Krishna Gangopadhyay (PI)**

Netaji Nagar Day College  
Kolkata-92  
&

**Mrs. Adwitiya Chaudhuri (Co PI)**

Pingla Thana Mahavidyalaya  
Maligram, Paschim Medinipur

**Submitted to**

The Department Of Higher Education,  
Science & Technology and Biotechnology  
Government of West Bengal

To,  
The Principal Secretary  
Department of Science and Technology  
and Biotechnology  
Govt, of West Bengal  
Vigyan Chetana Bhavan,  
Salt Lake,  
Kolkata 700064

**Ref:** Developing physiological, cellular & molecular markers to understand survival strategy and pattern diversity for fishes along altitudinal gradient in foothills of the Eastern Himalayas.

Memo No.: 1765 (Sanc.)/STP/ S&T/1G-30/2017

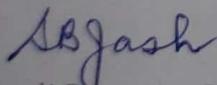
**Sub:** Submission of Final Year Project Report, Audit Report and Utilization Certificate.

Sir,

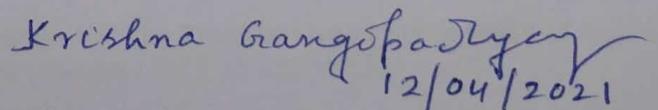
I am hereby submitting the Final Year Project Report, Audit Report and Utilization Certificate for the period of 01.04.2019 to 31.03.2020 of the above mentioned research project for your kind consideration.

With best regards,

Yours truly,



(Dr. Sonali Banerjee Jash)  
Principal  
Netaji Nagar Day College

  
12/04/2021

(Dr. Krishna Gangopadhyay)  
Department of Zoology  
Netaji Nagar Day College

Principal  
Netaji Nagar Day College  
Kolkata - 700 092

Enclosure:

Audit report (5 Copies)  
Utilization certificate (5 Copies)  
Project report

GOVERNMENT OF WEST BENGAL  
Department of Science & Technology  
Bikash Bhawan, 4th floor

Tel: 25693717

Fax:

Date: 24/03/2018

Memo No 241(Sanc.)/ST/P/S&T/1G-30/2017

Sanction Order for Grant-in-Aid

Demand No 70

Department Code : ST

Financial Year : 2017 - 2018

- 1 Sanctioning Authority: Higher Education, Science & Technology and Biotechnology(Sci. & Tech.)
- 2 Name of the Grantee Institution: Netaji Nagar Day College.
- 3 Address of the Grantee Institution: 170/436, NSC Bose Road, Regent Estate, Kol-92.
- 4 Category of Grantee Institution: Education Institution
- 5 Amount Sanctioned: 405729 (in words Rs. Four Lakh Five Thousand Seven Hundred Twenty Nine Only.)
- 6 Name of the DDO: Registrar & DDO, Higher Education Department
- 7 Department Code: ST-Higher Education, Science & Technology and Biotechnology(Sci. & Tech.)
- 8 Name of the Treasury/PAO: Pay & Accounts Officer-III, PAO-III
- 9 Nature of Grant (a) Recurring or Non-recurring: Recurring  
(b) Capital or Revenue: Revenue
- 10 Condition of Grant Utilisation Certificate required: Yes
- 11 Category of Grant : Education Institution
- 12 Purpose of Grant R&D project entitled- Developing Physiological, cellular & molecular markers to understand survival strategy and pattern diversity for fishes along altitudinal gradient in foothills of the Eastern Himalayas.
- 13 An amount of Rs 405729 is hereby allotted for this period in favour of the Registrar & DDO, Higher Education Department From the head of account 3425-60-200-SP-001-31-02-V from the budget provision of the financial year.2017 - 2018 under Demand No.70 Department Code ST and payable to Grantee Institution or by A/c payee cheque/By-Transfer Credit / ECS.
- 14 Head of Account Code :3425-60-200-SP-001-31-02-V
- 15 Name of the Scheme :Financial Assistance to other Scientific Bodies for undertaking Scientific Projects/Surveys/Research/Training and Science Awareness & Science Popularisation programme (State Share)
- 16 The amount will be drawn in T.R. from No.31/32/43 (As applicable as per WBTR)
- 17 The sanctioned amount will be payable to Netaji Nagar Day College. by Transfer Credit to the Head of Account the LF/PL/Deposit Account of the Grantee Institution or by A/C payee Cheque / ECS as applicable.
- 18 Remarks. Present release is the 1st installment of the total project cost Rs. 4,99,729/- sanctioned for 2 year (s) work. Now Rs. 4,05,729/- will be transferred through e-Pradan system to Netaji Nagar Day College Govt. Misc. Grant A/C A/C No.-3524282126 (Current), IFSC CODE-CBIN0281075, Mobile No.-9239446502.
19. Total released amount is within the Budget Provision of the above mentioned head of account during 2017 - 2018
20. This order issues in exercise of the power delegated under Finance Department Memo. No. nullwith the concurrence Finance Deptt. vide Gr. F.A. Branch U.O. No. 264 F.A./Education Date 21/03/2018

Sd/

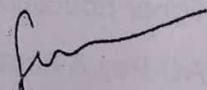
OSD & E.O. DEPUTY SECRETARY

Memo No:241(Sanc.)/ST/P/S&T/1G-30/2017

Memo Date:24/03/2018

Copy forwarded for information and necessary action to:-

1. The Principal Accountant General (A&E), Treasury Buildings, Kolkata-700001
2. The Principal Accountant General (Audit), Treasury Buildings, Kolkata-700001
3. The Principal Accountant General (Receipt, Works & Local Bodies Audit), CGO Complex at Salt Lake, Kolkata-700
4. Registrar & DDO, Higher Education Department
5. Pay & Accounts Officer-III, PAO-III
6. J.S (Budget), Deptt. Of HE, S&T and BT.
7. PSO, Science & Technology.                      11) Shri Soumyajit Mukherjee, SSO, Science & Technology.
8. Shri S.Roy, SSO, Science & Technology.                      12) Guard File.
9. Principal, Netaji Nagar Day College, 170/436, NSC Bose Road, Regent Estate, Kol-92.
10. Dr. Krishna Gangopadhyay, P.I. of the project, Netaji Nagar Day College, 170/436, NSC Bose Road, Regent Estate, Kol-92. (Strictly follow annexure-A).

  
OSD & E.O. DEPUTY SECRETARY

**Government of West Bengal**  
**Department of Higher Education, Science & Technology and Biotechnology**  
**"Vigyan Chetana Bhavan", Salt Lake,**  
**DD 26/B, Sector-I,**  
**Kolkata - 700064.**

**Annexure -A**

File No.: ST/P. S&T/1G-30/2017

Name of the P.I. with Institute: Dr. Krishna Gangopadhyay, P.I. of the project, Netaji Nagar Day College.

General Guideline must be followed by the P.I.:

1. The selection of JRF/SRF shall be made as per guidelines of this Deptt. (Science & Technology).
2. The remuneration to the JRF/SRF & project Asstt. Should be disbursed as per FD Memo No. 626 dt. 27.06.2011.
3. Follow FD Memo No. 5400-F(Y) dt. 25.06.2012 and Memo No. 3060-F(Y) dt. 11.06.2014 where applicable.
4. The UC along with the audited statement of expenditure should be obtained within prescribed time before release of further installment of grant.
5. Follow the Budget break-up given below:

**SUMMARY (in Rupees)**

Sl no.	Item	BUDGET		
		1 <sup>st</sup> year	2 <sup>nd</sup> year	Total
A.	<b>Non Recurring - Minor Permanent equipment:</b>			
	i) DNA isolation kit	56774		
	ii) Variable pipette	9447		
	iii) Micro centrifuge	164708		
	iv) Fish shocker & fish stunner	37800	0	268729
B	<b>Recurring</b>			
1.	<b>Consumables</b>			
	i) Glass goods & Plastic wares	30000	10000	40000
	ii) Chemicals & Reagents	50000	30000	80000
2.	Outsourcing of sample analysis & other primary & secondary data	15000	10000	25000
3.	TA for field work sampling (conference/ seminar travel not allowed)	30000	30000	60000
4.	Reprography, photocopy etc.	3000	3000	6000
5.	Postage & Stationary	3000	3000	6000
6.	Report preparation & auditing of project	3000	5000	8000
7.	Miscellaneous/ special expenditure	3000	3000	6000
	<b>TOTAL</b>	<b>405729</b>	<b>94000</b>	<b>499729</b>

  
**Officer on Special Duty**

GOVERNMENT OF WEST BENGAL  
Science & Technology and Biotechnology DEPARTMENT

Tel:

Fax:

Date: 28/01/2020

Memo No : 1765(Sanc.)/ST/P/S&T/1G-30/2017

Sanction Order for Grant-in-Aid in Cash

Demand No. : 76

Department Code : BS

Financial Year : 2019 - 2020

1. Sanctioning Authority: Science & Technology and Biotechnology
2. Recipient of Grant: Netaji Nagar Day College.
3. Category of the recipient of Grant: Grantee Institution
4. Amount Sanctioned: Rs.94000/-  
Rupees Ninety Four Thousand Only.
5. DDO Code :- CAFSTA003
6. DDO Designation: Sec. Officer, Science & Technology & Biotechnology Dept.
7. Department Code: BS-Science & Technology and Biotechnology
8. Head of Account Code :76-3425-60-200-010-31-02-V
9. Scheme Name : Financial Assistance to other Scientific Bodies for undertaking Scientific
10. Name of the Treasury/PAO & Accounts office: Pay & Accounts Officer-III, Calcutta PAO-III
11. Type of Grant:- Recurring
12. Utilization Certificate Required or Not: Yes
13. Purpose of Grant : R&D project entitled- Developing Physiological, cellular & molecular markers to understand survival strategy and pattern diversity for fishes along altitudinal gradient in foothills of the Eastern Himalayas.
14. Applicable T.R Form No:- TR Form No.31
15. An amount of Rs.94000/- (Rupees Ninety Four Thousand Only.) is hereby sanctioned for payment of Grant to the recipients as per SI.No.2 from the Head of Account as stated in SI.No.8 above against the Budget Provision of the Financial Year 2019 - 2020. The sanctioned amount will be payable through Transfer Credit into the LF/PL/Other Deposit Account/ECS/Cheque, as the case may be following the order issued by Finance Department in this regard.
16. Total released amount is within the Budget Provision of the Financial Year. 2019 - 2020
17. This order issues in exercise of the power delegated under Finance Department Memo. No. 1854-F.B. dated- 26.03.2019 & 550-F.B. dated-30.07.2019 with the concurrence of Finance Deptt. vide Gr. F.A. Branch U.O. No. 152 - F.
18. The Principal Accountant General (A&E), West Bengal and Pay & Accounts Officer/Treasury Officer and other concerned are being informed.
19. Remarks: Present release Rs. 94,000/- is the 2nd & final installment of the total project cost Rs. 4,99,729/- sanctioned for 2 year (s) work, will be transferred through e-Pradan system to Netaji Nagar Day College Govt. Misc. Grant A/C. A/C No.-3524282126 (Current), IFSC CODE-CBIN0281075, Mobile No.-9239446502.

*sdf*

ASSISTANT SECRETARY

Science & Technology and Biotechnology

Copy forwarded for information and necessary action to:-

1. The Principal Accountant General (A&E), Treasury Buildings, Kolkata-700001
2. The Principal Accountant General (Audit), Treasury Buildings, Kolkata-700001
3. The Principal Accountant General (Receipt, Works & Local Bodies Audit), CGO Complex at Salt Lake, Kolkata.
4. ~~Sec. Officer, Science & Technology & Biotechnology Dept.~~
5. Pay & Accounts Officer-III, Calcutta PAO-III
6. PSO.
7. Shri S. Roy, SSO.
8. Principal, Netaji Nagar Day College, 170/436, NSC Bose Road, Regent Estate, Kol-92.
9. ✓ Dr. Krishna Gangopadhyay, P.I. of the project, Netaji Nagar Day College, 170/436, NSC Bose Road, Regent Kol-92.
10. Shri Soumyajit Mukherjee, SSO. 11) Guard File.

*Sarda*  
ASSISTANT SECRETARY

**Government of West Bengal**  
**Department of Higher Education,**  
**Science & Technology and Biotechnology (DHESTBT)**  
**(Science & Technology and Biotechnology Branch)**  
Vigyan Chetana Bhavan, Block-DD, Plot-26/B, Sector-I  
Salt Lake City, Kolkata-700064

**UTILISATION CERTIFICATE IN RESPECT OF GRANT-IN-AID**

No.

Date:

1. Name of the Grantee Institute (s) : *Netaji Nagar Day College*  
[Attach separate list for more than one Grantee Institution] *Kolkata - 92*
2. Sanctioning Authority : *Higher Education, Science & Technology*  
*and Biotechnology (Sci & Tech.)*
3. Sanction Order Number & Date : *1765 (Sanc)/ST/PIST/16-30/2017*  
*DT: 28/01/2020*
4. Amount Sanctioned : *₹ 94,000/-*
5. Drawing & Disbursing Officer : *NA*
6. Treasury/PAO : *Pay & Accounts officer - III, PAO - III*  
[From where the bill was drawn]
7. Bill No. & Date : *NA*
8. T. V. No. & Date : *NA*
9. Amount Drawn : *Rs. 94,000/-*
10. Unspent Balance of Previous year, if any : *Nil*
11. Amount Utilised : *Rs 94,000/-*
12. Unspent Balance, if any, in Current year : *Nil*
13. Purpose of Utilisation : *R & D Project*

**CERTIFICATE**

Certified that I have satisfied myself that the conditions on which the Grant-in-Aid was sanctioned have been duly fulfilled/are being fulfilled that I have exercised the following checks to see that the money was actually utilised for the purpose for which was sanctioned.

[Applicable in case of unspent balance] The unspent fund will be adjusted against the Grant-in-Aid to be sanctioned and paid in the Current Financial Year (applicable in case of recurring grant only).

**Kinds of checks exercised**

1. Cash Book
2. Ledger
3. ....
4. ....
5. ....

*Dipankar Sanyal*

Signature with Official Stamp

Date *12.04.2021*



Auditor's Report

Certified that the grant of Rs. 94,000/- (Rupees Ninety Four Thousand only) approved by the Department of Higher Education, Science and Technology and Biotechnology (DHESTBT), Government of West Bengal, under the scheme of support for Minor Research project entitled **Developing Physiological, cellular & molecular markers to understand survival strategy and pattern diversity for fishes along altitudinal gradient in foothills of the Eastern Himalayas**, vide Memo No. 1765 (Sanc.)/ST.P/S&T/1G-30/2017 dated 28/01/2020, has been fully utilized for the purpose of which it was sanctioned and in accordance with the terms and conditions laid down by the Department of Higher Education, Science and Technology and Biotechnology (DHESTBT), Government of West Bengal.

*Dipankar Sanyal*  
12.04.2021



Details of expenses incurred on the project - Developing physiological, cellular & molecular markers to understand survival strategy and pattern diversity for fishes along altitudinal gradient in foothills of the Eastern Himalayas.

Sanctioning authority: Dept, of Science & Technology, Govt. of West Bengal, Sector -V, Salt lake, Kolkata-64, vide Memo No, 1765 (Sanc.)/STP/ S&T/1G-30/2017 dated 28.01.2020

SL NO	ITEMS	BUDGET (2 <sup>ND</sup> YEAR)
1.	Consumables	40000.00
2.	Outsourcing of sample analysis	10000.00
3.	TA for field work sampling	30000.00
4.	Repography	3000.00
5.	Postage and stationary	3000.00
6.	Report preparation and auditing	5000.00
7.	Miscellaneous	3000.00
	<b>Total</b>	<b>94000.00</b>

*Dipankar Sanyal*  
12.04.2021



Statement of Expenditure (SoE)

Program: R & D Project (Developing Physiological ..... Eastern Himalayan

Duration: 2 years Venue: Netaji Nagar Day College

Organized by: Government of West Bengal, Department of Science and Technology

Receipts	Amount (Rs.)	Payments	Amount (Rs.)
Amount received from DHESTBT	4,99,729	1. 405729.00	405729.00
		2. 94000.00	94000.00
Amount received from other Institution/ Organisation/ other means etc.		3.	
		4.	
Amount contributed from own Institution/ Organisation		5.	
		6.	
Total	4,99,729	Total	4,99,729

Certified that we have exercised all kinds of checks to see that the grant has been utilized for the purpose for which it was sanctioned by DHESTBT vide Order No.

(Sanct.)/ST/P/S&T/16-30/2017 dated 24/03/2018 of Rs. 499729.00  
(Sanct.)/ST/P/S&T/16-30/2017 28/01/2020

*Ushna Gangopadhyay*

Name & Signature of Program Coordinator

*SBgash 12.04.21*

Name & Signature of Head of the Institution

Principal  
Netaji Nagar Day College  
Kolkata - 700 092  
Office Seal with date

*Dipankar Sanyal*  
12.04.2021

Name & Signature of Chartered Accountant



All Communications are to be addressed to the  
Joint Secretary by designation and not by name



UNIVERSITY GRANTS COMMISSION  
EASTERN REGIONAL OFFICE  
LB 8 Sector III Salt Lake, Kolkata 700 098  
Phone : (033) 2335 4767  
Fax : (033) 2335 0586

No. F.PSW-102/15-16 (ERO)

To

The Principal,  
Netaji Nagar Day College  
170/436 N S C Bose Road, Kolkata  
West Bengal-700092

26 SEP 2017

**Subject: Approval of financial assistance to Dr./Mr./Ms Dr. Ujjwal Kumar Pahari, Department of Mathematics of your college for Minor Research Project regarding.**

Sir/Madam,

1. The University Grants Commission has approved the proposal of Minor Research Project mentioned hereinabove as per the recommendations of the Expert Committee and has also approved an allocation of ₹ 260000/- for the project as per details given below :

Non-Recurring Items :	Amount (In ₹)
Books and Journals	70000/-
Equipment	70000/-
Recurring Items :	
Travel and Field Work	60000/-
Hiring Services	0/-
Chemicals and Consumables	0/-
Contingency (including special needs)	60000/-
<b>Total :</b>	<b>260000/-</b>

2. The terms and conditions of the grant will be as per the Guidelines of the scheme.
3. A sanction letter (100% of non-recurring and 50% of recurring grant) is enclosed herewith.
4. The college is requested to submit 'Acceptance Certificate' duly signed by the Principal and The Principal Investigator after receiving this letter.
5. The date of implementation will be the date of receipt of the first instalment by the college and it may be intimated in the Acceptance Certificate. The tenure of the Project will be for two years for all subjects.

Yours sincerely,

  
( Dr. Mohammad Arif )  
Joint Secretary

Copy forwarded for information & necessary action to;

1. The Registrar, Calcutta University.
2. The Director, Higher Education, Government of West Bengal state, state Secretariat,
3. Dr./Mr./Ms Dr. Ujjwal Kumar Pahari, department of Mathematics
4. Guard File

  
( Vinod Sharma )  
Under Secretary

UNIVERSITY GRANTS COMMISSION  
EASTERN REGIONAL OFFICE  
LB 8 Sector III Salt Lake, Kolkata 700 098

TFR-2017-18-1140

ज्ञान-विज्ञान विमुक्तये

No. PSW-102/15-16

(ERO) ID No. WC2-087

Date: 23-Jun-17

The Accounts Officer/D/O  
University Grants Commission  
Eastern Regional Office, Kolkata 700 098

S.No. 300403

pdcollege WB100 00001038

Sub : Release of Grant-In-Aid under the Scheme of Minor Research Project in Science during 12th Plan in the year 2017-18 to Netaji Nagar Day College

Sir/Madam,

I am directed to convey the sanction of the Commission for payment of Rs.  towards the scheme Minor Research Project in Science to the Principal, Netaji Nagar Day College for the Plan expenditure to be incurred during the current financial year as per details given below:

Purpose of the grant	Approved allocation	Amount already sanctioned	Amount being sanctioned now	Total grant released including Gen/SC/ST component
Dr. U.K.Pahari, Mathematics	(Rs.)	(Rs.)	(Rs.)	(Rs.)
1st instalment				
MRP-Non-Recurring	140000	0	140000	140000
MRP-Recurring	120000	0	60000	60000

Total

Component-wise total grants released to the College now:

SC:Rs. 0 ST:Rs. 0 General:Rs. 0 Total:Rs. 0

Accordingly I am to further inform that:

- |   |   |
|---|---|
| A. SC component: 16% (3B-2202.03.789.27.01(SC):Rs. 0                                  | 0 |
| B. ST component: 8%, (3C-2202.03.796.28.01(ST):Rs.                                    | 0 |
| C. General component (including Minorities): 76% or 100% (3A-2202.03.102.02.1(Gen):Rs | 0 |

- The sanctioned amount is debitable to Head of account as mentioned above and valid for payment by Accounts Officer, UGC-ERO, Kolkata to the College during the financial year 2017-18 only.
- The amount of the grant shall be drawn by the Accounts Officer (Drawing and Disbursing Officer), University Grants Commission on the Grant-In-Aid bill and shall be disbursed to and credited to grantee as above through Electronic mode through PFMS portal at the following details:

(a) Details (Name & Address) of Account Holder:

Principal, Netaji Nagar Day College

170/436 N S C Bose Road, Kolkata

West Bengal 700092

(b) Account No.: 3524282126

(c) IFSC Code : CBIN0281075

(d) Name & Address of Branch: Central Bank of India, N.S.C. Bose Road Branch, Kolkata

You are requested to confirm the receipt of the above amount in your account by sending back the enclosed stamped receipt within 7 days.

- The grant is subject to the adjustment on the basis of Utilisation Certificate in the prescribed proforma submitted by the University/College/Institution.
- The University/College shall maintain proper accounts of the expenditure out of the grant which shall be utilised only on approved items of expenditure.
- The University/Institution may follow the General Financial Rules, 2005 and take urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those don't have their own approved manuals on financial procedures may adopt the provisions of GFRs, 2005 and Instructions/Guidelines there under from time to time.
- The Utilisation Certificate to the effect that the grant has been utilised for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission as early as possible after the closing of the current financial year.
- The assets acquired wholly or substantially out of the University Grants Commission's grant shall not be disposed or encumbered or utilised for the purpose other than those for which the grant was given, without proper sanction of the University Grants Commission.
- A register of assets acquired, wholly or substantially out of the grant shall be maintained by the University/College in the prescribed form.

Annexure – V

UNIVERSITY GRANTS COMMISSION  
BAHADUR SHAH ZAFAR MARG  
NEW DELHI – 110 002

Utilization certificate

Certified that the grant of Rs. 200000/- (Rupees Two Lac only) received from the University Grants Commission under the scheme of support for Minor Research Project entitled “**Modeling Food-Web Dynamics: Complexity, Stability and Implications**” vide UGC letter No. F. PSW-102/15-16 (ERO) dated 23-June-2017 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University Grants Commission.

*Ujjwal Kumar Pahari*  
29.01.2022  
SIGNATURE OF THE

PRINCIPAL INVESTIGATOR

*SB Jash* 29.01.22  
PRINCIPAL  
*Principal*  
Netaji Nagar Day College  
Kolkata- 700 092

*DWT*  
STATUTORY AUDITOR  
29/01/2022

D. Bandyopadhyay, Proprietor  
M. No.- 057861  
for DEBASIS BANDYOPADHYAY & CO.  
Chartered Accountants

UDIN-22057861AAAACG4492



# NETAJI NAGAR DAY COLLEGE

(Under Graduate & Post Graduate Institution)

Affiliated to University of Calcutta

Accredited by NAAC (B<sup>++</sup>)

170/436, N.S.C. BOSE ROAD

REGENT ESTATE – KOLKATA - 700092

Ref. No.....

Date: .....

To  
The Joint Secretary,  
University Grants Commission,  
Eastern Regional Office,  
L B 8 Sector III Salt Lake,  
Kolkata - 700098

Forwarded  
SB Jash  
31.01.2022  
Principal  
Netaji Nagar Day College  
Kolkata- 700 092

**Sub: Submission of Final Report of Minor Research Project  
(S. No. 300403 dated 23<sup>rd</sup> Jun 2017)**

Respected Sir,

This is to inform you that I am hereby submitting the Final Report of the Minor Research Project (F. PSW-102/15-16 (ERO) dated 23-June-2017) entitled “**Modeling Food-Web Dynamics: Complexity, Stability and Implications**” for the period from 20.11.2017 to 19.11.2019.

In this context, I am submitting also one bound copy of the Final Report of Work done of the Project.

Thanking you.

Sincerely yours,

*Ujjwal Kumar Pahari*

Dr. Ujjwal Kumar Pahari  
Principal Investigator

(UGC-MRP No. F PSW-102/15-16 (ERO))

Department of Mathematics,

Netaji Nagar Day College, Kolkata-92

Date: 31.01.2022

**RECEIVED**

Date: 31-01-22  
University Grants Commission  
Eastern Regional Office  
Kolkata-700098