Government of West Bengal

Department of Science & Technology and Biotechnology (DSTBT)
Vigyan Chetana Bhavan, Block-DD, Plot-26/B, Sector-I
Salt Lake, Kolkata-700064

Application Format for Science Popularisation Programme

(Please upload the filled in "Application Format" along with necessary documents in vigyansathi portal)

1.	Programme Type (ref SN 10 of the Guidelines): Seminar Organised by School (
2.	Title of the proposed Programme: Awarness on Food Security (st. 20)
3.	Target Group (Faculty, Teacher, Research Scholar, Student, Community): Minorily Student
	Duration (days):; Tentative Dates of the proposed Programme: 1.7-18 August 202
5.	Aims, Objectives and Details of the Programme (attach separate sheet, if necessary):
6.	Name, Designation, Postal Address, mobile no. and e-mail id of the (only one) Programme Co-ordinator (PC) (attach separate sheet, if necessary): Separate Sheet—B
7.	Legal status of the Institute (School/ College/ University/ Institute/ Polytechnic/ ITI/ Autonomous body/ registered NGO/ Trust etc.): Govt. Arded Madra sah. Index. No 18-02-03-01-003 H.S. Code Mo 0249.9. Vot. C. Code No 15 74 DISB Code - 19180511003
8.	Date wise detail Programme Schedule (attach separate sheet, if necessary):
9.	Collaborating Institutions/ Organizations, if any, with their specific contribution:
10.	Expected number of participants and list of Resource Persons/ Invited Speakers: Seperate Sheet -D
11.	Give details of the grant received from DSTBT in last three Financial Years, if any alongwith the date of submission of UC, Audited SoE, Report etc.:
	Name and address of the authority to whom the allotted amount is to be credited (if sanctioned) who will also be responsible for submitting the UC, audited SoE, Programme Completion Report, Feedback, Still and Video photographs etc. of the grant: Sharful Islam. Teach - In Change, Bhangar A. H. High. Madra Sah (HS), Bhangar, Sawth 24 Pangardas, N.D.
13.	Total Programme Expenditure (A)/ Organisation's contribution (B)/ Grant expected from DSTBT (C): C: ₹.50,000 = (A: ₹.60,000 = B: ₹.10,000 =) (provide detail Budget break-up as per Annexure-II):

Check List (put tick) of attachments to be submitted with the application

- Proposed Total Budget with break-up (Annexure-I) and Bank Details (Annexure-II) in Institute/ Organization's letter head: YES/NO
- For registered NGO/ Trust, filled in Application Format recommended by the appropriate Recommending Authority, viz., Jt.BDO/ BDO/ SDO/ DM/ Executive Officer-Municipality/ Commissioner-Municipal Corporation as the case may be (where the programme is actually going to be held): YES/NO
- For registered NGO/ Trust, attested copies of the registration certificate, latest renewal certificate, Memorandum and Rules & Regulations of the Organization, last three years Audited Statement of Accounts, Annual Reports etc., List of recommended beneficiaries: YES/NO

DECLARATION

Certified that the details furnished in the filled in format are correct to the best of our knowledge & belief and that the amount of financial assistance, if sanctioned, will be utilized for the purpose for which it is granted within the time as prescribed by DSTBT. We also undertake to abide by the General Guidelines and Terms & Condition prescribed by DSTBT and provide due coverage to DSTBT during the Programme and publications/ print and electronic media made from the Programme in future. We also declare that within one month after completion of the Programme we shall submit the Utilisation Certificate (UC), Audited Statement of Expenditure (Audited-SoE), Programme Completion Report, Feedbacks from the Participants, still and video photographs etc.

Signature: Dalia llevznde

Date: 15/3 /2021

Name of Programme Coordinator:

DR. DALIA MAZUMDER

Designation: ASSISTANT TEACHER

Address:

BHANGAR A.H. HIGH MADRAS AH (H.S) (Office Seal)

Bhangal,
South 24 Pargand RECOMMENDATION
(only for registered NGO/ Trust)

Certified that the said Organisation is reputed in this field and I/ we recommend the said proposal for getting grant-in-aid from DSTBT, Govt of West Bengal for the benefit of the local students/ community etc.

Signature:

Signature:

Designation:

Address:

Date:

Date:

Name of Recommending Authority:

Name of Head of the Institution:

Teacher-in-charge Bhangar A.H. High Madrasah (H.S.)

Bhangar, 24 Parganas (S)

Designation:

Proposed Total Budget with break-ups

Sl. No.	Items required with justification and rate	Total expenditure (A) Rs.	Institution/ Organization Contribution (*)(B) Rs.	Grant Expected from DSTBT (C= A-B) Rs.
1.	Honorarium to Resource Persons/Experts 08 Lecture X Rs 500.00 per Lecture	4,000.00	101.9	relative services
2.	Training/Study materials, Consumables expenses 50 Students @Rs. 150.00 per kit	7,500.00	monte diserb	ind en er ene knd en er ene komma
3.	Hall rent, if any Hire of Chair Table etc	4 A.D.	10,000.00	organization la per Alle Numbers
4.	Publicity materials Flex, Banner etc L.S	1,000.00		collector/des
5.	Travel Expenses L.S.	5,000.00	The water to a N	An/, real
6.	T.A. to the external Resource Persons/ Experts 06 Lecturer X Rs. 200.00 per one lecture	1,200.00	(55)	ADMENT CHECK
7.	Documentation expenses including audiovisual Like, print, Register Note books, Binding etc) L.S	4,000.00	a de lo tento	pri) smining §
8.	Light Refreshments Including Resource Persons and helping hands. 60 nos. X 02 Days X Rs. 120.00	14,400.00		
9.	Auditors' fee L.S.	3,000.00		
10.	Other expenses, if any (please specify) Water Carrier, Sweeper, Sound System, rope, scissor, Marker pen, other unforeseen etc . L.S.	9,900.00		
	Grand Total Expenditure	50,000.00	10,000.00	60,000.00

(*) At least 10% of the total budget contribution from the Institute/ Organization is desirable.

(Dr. Dalia Mazumder)

Dalia levzundon.

Programme Coordinator

(Sarrul Islam)

Head of the Institute

Teacher-in-charge
Bhangar A.H. High Madrasah ("J.S.)
Bhangar, 24 Parganas (S)

Annexure-II

Bank details of the Applicant Organization

Name of the Organization	BHANGAR A.H. HIGH MADRASAH(H.
Bank Account Number & name of the Account holder/ Organization	BHANGAR A.H. HIGH MADRASAH(H. AICNO-45090100002222, BAANGARA.H HIGH MADRASAH.
Type of Account (Saving or Current A/c)	Saving
Name of the Bank	BANK OF BARODA
Name of the Branch with Branch address	GHATAK PURUR
IFSC of the Branch	BARBOGHATAK
Mobile Number of the Programme Coordinator/Head of the Organization	7980107960
PAN/TAN of the Account holder/ Organization	4AALB1839Q

Dalia Mazumder)
Programme Coordinator

(Sajful Islam) 15 13 21 Head of the Institute

Teacher-in-charge Bhangar A.H. High Madrasah (H.S.) Bhangar, 24 Parganas (S)

AIM AND OBJECTIVES

ANNEXURE- A

Food security is defined by FAO as access by all people at all times to the food needed for a healthy and active life. Achieving food security means ensuring that sufficient food is available, that supplies are relatively stable and that those in need of food can obtain it. Although over the years governments, with support have addressed food security and its related elements in many ways, today some people are chronically undernourished. With a growing world population this situation will worsen unless very determined and well-targeted actions are taken to improve food security.

- 01. To popularization of Science among students
- 02. To aware about Nutrition, food quality and food safety
- 03. To develop a basic concept regarding daily nutritional food
- 04. To reduce the average household food insecurity
- 05. To make an idea for Dietary diversity for the specified population group
- 06. To find the Dietary diversity for the Student group
- 07. To recommend the Caloric intake for school/ Madrasah student in daily allowances
- 08. To develop a knowledge about Weight-for-age or height-for-age for relative to World Health Organization standards
- 09. Achieving nutrition objectives usually requires the introduction of activities that affect non-food causes of malnutrition, like public health interventions or the promotion of improved student food.
- 10. To improve their national food security through rapid increases in productivity and food production
- 11. To improve people's access to food
- 12. The sociological contexts of food production, access, quality, and consumption
- 13. To develop the basic idea about food intake and to prepare a base line data for future programme.

Dr. Dalia Mazumder

(Programme Co-ordinator)

Dalies Margudon.

About Programme Coordinator

ANNEXURE- B

Name:

Dr. Dalia Mazumder

Present Employment:

Assistant Teacher

Name of School/ Madrasah:

Bhangar A.H. High Madrasah (H.S), Bhangar, South 24 Parganas

e-Mail:

ddpalui@gmail.com

Phone No.

9064766294/9432431955

Address:

a) School/ Madrasah:

Vill. + P.O. + P. S. : Bhangar, South Parganas

b) Residential:

479-Banerjee Para Road, Paschim Putiari, Kolkata-700041

Experience:

a) Research:

02 Years as SRF + 02 Years as Ph. D Research Scholar

b) Teaching:

01 years as Contractual Lecturer at South Calcutta Girls' College

14 + years in School/ Madrasah

Ralia llarguda, Dr. Dalia Mazumder

(Programme Co-ordinator)

Date wise Detail Programme Schedule (Tentative)

ANNEXURE- C

Venue: Bhangar A.H. High Madrasah, Bhangar, South 24 Parganas

Date: 17.08.2021 & 18.08.2021

Date	Topics	Resource Person	Time		
	Registration		10.00 AM		
	Introduction: Students and Local Area	Sahiful Islam, Head of the Institute	11.00AM-12.00 Noon		
17.08.2021	Food –Physical and Mental development enhancing the ability to pay attention in class	Dr. Dalia Mazumder, Assistant Teacher, Biology	12.00 Noon-1.00 PM		
	Refreshment Break				
	Availability of Local Nutritious food	Dr. Debjani Dey Professor, Dept. of Geography, Bhangar College.	2.00 PM-3.00 PM		
	Food and Health	Dr. Animesh Hore, Doctor of Nalboni Hospital, Bhangar	3.00 PM-4.00 PM		
	Government and Food Security	Sahiful Islam, Head of the Institute	11.00AM-12.00 Noon		
	Food status: Past and Present	Dr. Debjani Dey Professor, Dept. of Geography, Bhangar College	12.00 Noon-1.00 PM		
18.08.2021	Refreshment Break				
	Different Food and Nutritional Value	Dr. Animesh Hore, Doctor of Nalboni Hospital, Bhangar	2.00 PM-3.00 PM		
	Discussion & Evaluation	Dr. Dalia Mazumder, Assistant Teacher, Biology	3.00 PM-4.00 PM		

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Dr. Dalia Mazumder (Programme Co-ordinator)

Expected Number of Participants and List of Resource Persons/ Invited Speakers

ANNEXURE- D

• Expected Number of Participants: 50 (fifty) nos.

Minority Students from Class V to XII

• Resource Persons:

Name	Designation	/ Invited Speaker
Sahiful Islam	Head of the Institute	Institutional Resource
Dr. Dalia Mazumder	Assistant Teacher, Zoology	Institutional Resource
Dr. Debjani Dey	Professor, Dept. of Geography, Bhangar College	Invited Speaker
Dr. Animesh Hore	Doctor, Nalboni Hospital, Dept. of Health, West Bengal	Invited Speaker

Dalia Mazumder

(Programme Co-ordinator)



केन्द्रीय अंतर्स्थलीय मात्स्यकी अनुसंघान संस्थान

(भारतीय कृषि अनुसंघान परिषद्)

बैरकपुर कोलकाता- ७००१२०, पश्चिम बंगाल

Central Inland Fisheries Research Institute

(Indian Council of Agricultural Research)

Barrackpore Kolkata-700 120 West Bengal

Dr. B. C. JhaPrincipal Scientist

TO WHOM SOEVER IT MAY CONCERN

This is to certify that Mrs. Dalia Palui (Majumder) worked under me as a Senior Research Fellow under a National Agricultural Technology Project entitled Assessment of Status and Possible Impact of Exotic Fish Species in Major River systems of India of ICAR for period of two years ending 31 December, 2004. The project was basically dealt with ecology and biodiversity of river systems.

Mrs. Dalia is a diligent, sincere, motivated and energetic lady with genuine sense of responsibility towards work. It is my pleasure to mention that her contribution in the above said project was quite significant.

Her integrity is beyond doubt and she possesses strong moral value. I know nothing against her.

I wish her all the success in her life.

PRINCIPAL SCIENTIST

Central Inland Capture
Pisheries Research Institute
Barrackpore, W. B.





VIDYASAGAR UNIVERSITY

MIDNAPORE ★ WEST BENGAL ★ PIN 721102

Phone: (03222) 276554 :: 276555 :: 276557 :: 276558

Ref. No.....

Date F. 03/2009

To whom it may Conceon

This is to certify that, Sont. Dalie Palue is working for his Ph. D. degree under joint supervision of myself and Progressor N.C. Datha Since 200%. She has already completed her field and Latoralory work and may submit the Thesis by July-August, 200%. She is very much sincere and hardworking in habit.

I which her every meets in Life.

Bidhan Chnida bah

Professor Bidhan Chandra Patra Aquaculture Research Unit Department of Zoology Vidyasagar University Midnapore - 721 102, W.B., India

Fax: (91) 03222, 275329, 264338

e=mail: vidya295@sancharnet,in // website; url: http://www.vidyasager.ac.in



THIRD INTERNATIONAL CONFERENCE



On the Theme

Mother Earth: Environmental Crisis & Sustainable Strategies

Organised by

Department of Environmental Science

THE UNIVERSITY OF BURDWAN

Certificate of Participation

This is to certify that

Dr Ralia Palui Majumder

Assistant Teacher

(Designation)

(Name of the participant)

(Place)

(College/University/Institute)

presented paper / participated in the THIRD INTERNATIONAL CONFERENCE on the Theme: "Mother Earth: Environmental Crisis & Sustainable Strategies" held during January 11 to 13, 2018.

Jt. Conveners

Environmental Sc., The University of Burdwan nternational Conference

Purba Bardhaman, West Bengal, India

Date: January 13, 2018

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Environmental Sc., The University of Burdwan International Conference

Plankton Distribution and Productivity at Kakdwip in the River Ganga in Relation to Certain Environmental Variables

Dalia Palui*, B. Patra* and D. Palui**

* Dept. of Zoology, Vidyasagar University

**Assistant Director of Fisheries, West Bengal

Abstract

Aquatic wealth is passing through a critical phase throughout the Globe owing to increased anthropogenic pressure. Any life phenomenon on earth is closely related to water and life cannot evolve without water. The River Hooghly is also under threat like anthropogenic activity, siltation, Sea going Fishing Boat activities etc. and loosing the natural characteristics of the ecosystem. Hence, a concert effort has been made for the study at the saline zone i.e. Kakdwip to study the limnological and biotic variable and their role in production process, including the conservation of the biodiversity thriving, where a regular tidal interaction is going on. After commissioning of the Farakka barrage (1975-1977), the increased freshwater discharge has resulted in considerable decrease in salinity in this region. This has effected major changes in the marine Zone in water and soil characteristics, plankton dynamics, and productivity. Kakdwip region of the estuary was more or less congenial for high aquatic productivity with the regular nutrient interaction through tidal effect.

Key words: anthropogenic pressure, siltation, biodiversity, plankton dynamics etc.

Introduction

The Hooghly estuary- can be divided into three zones on the basis of salinity gradient (Dutta et. al. 1973). But after construction of Farakka Barrage during 1975, from Kakdwip to Frezerganj including the entire Sunderbans is the marine zone (Sinha et. al. 1996). After commissioning of Farakka barrage in 1975, the Hooghly estuary receives freshwater from Ganga through manmade Feeder canal and Bhagirathi, which improved the ecology of the estuary (Sinha et al. 1996). It is an accepted fact that the freshwater becomes a major determining factor in salinity (Ketchum 1951, Pritchard 1955), hydrology and fishery of any estuarine system (Dutta et al. 1973). The marine region i.e. also in Kakdwip, is now densely populated of which, majority of them were migrated from the adjacent district Midnapur and also the refugees from Bangladesh. Most of these rural people are living much below abject poverty and they are solely or partly dependent on these virgin and fragile. Kakdwip, in the Hooghly estuary mixohaline in nature, exhibiting semidiumal-tide. Siltation is the other important phenomenon in this zone as the river Ganga has an annual runoff of 493 Km3 and carries 616 x 106 tonnes of suspended solids to the Hooghly





DISTRIBUTION OF NUTRIENTS AND PRIMARY PRODUCTION IN TWO DIFFERENT SALINITY REGIME OF HOOGHLY RIVER, INDIA.

Dalia Palui*, S. Patra, D. Palui* and N. C. Dutta**

Aquaculture Research Unit, Department of Zoology, Vidyasagar University,

Midnapore – 721 102, West Bengal.

* Department of Fisheries, Government of West Bengal.

** Department of Zoology, Calcutta University, Kolkata - 700 019

ABSTRACT ■ The Hooghly estuarine system located in West Bengal is the important estuaries of the Indian coast under the Gangetic delta called the Sundarbans, which is considered as estuarine inlets carrying tidal brackish-water causing, considerable fluctuations in salinity and other physico chemical condition resulting in significant changes in the estuarine ecosystem. Water and soil characteristics of Hooghly estuary at freshwater and marine regions were studied during the period, July 2006 to June 2008. In water dissolved oxygen, pH, total alkalinity, phosphate, nitrate and silicate contents were higher in the freshwater zone compared to those at the marine zones indicating that the nutrients were allochthonous. Salinity was very low in freshwater zone, but high salinity was noted in marine zone. Nutrient rich diluted water from the Hooghly estuarine and run off from catchment areas, during monsoon, enter into this estuarine inlet. In soil the marine region had higher contents of available and total Nitrogen, available Phosphorus, Organic carbon and sp. conductivity. Gross and net primary productions were significantly higher at the marine zone which indicated that this zone is nutrient rich and more productive. The study indicated that the Hooghly main channel was, on the whole, conducive for aquatic animals during the period. Ample food supply from the Sundarban mangrove vegetation, absence of aquatic pollution, tidal effect etc., were important role for high availability of P.monodon seed and other fisheries resources, mainly prized prawns, mullets (Mugil sp), hilsa (Tenualosa sp.), milkfish (Chanos sp), bhetki (Lates sp) etc., because of regular active tidal interaction.

Key words: Estuary, Brackish-water, tidal effect, effluent, fish yield, Hooghly river.

Introduction:

The Hooghly estuary is (Latitude 21°-24° N and Longitude 88°-89°E; 300km from N-S and 150 km from E-W) one of the most productive estuaries of the world. The Hooghly-Matlah estuary can be divided into five zones on the

basis of salinity gradient (Sinha et. al. 1996). However, my drotiology and Fishmy of Hooghly matlah estnary have been sequentially monitored and presontly have been subdisded into four zerox based on salinity regimes, zone I, II, III and IV has been B hens in Figure 1

^{*} Corresponding author : Dalia Palui



Golden Jubilee International Conference

Trends in Eoology
(January 3-4, 2019)

Organized by
Department of Zoology
The University of Burdwan
West Bengal, India

Certificate

This is to certify that Prof. / Dr. / Mr. / Ms. D. O. W. W. O. D. O. W. W. O. Majoumollele). of his is to certify that Prof. / Dr. / Mr. / Ms. D. O. W. O. W

Conference on "Trends in Zoology" held on January 03-04, 2019, organized by the Department of Zoology,

Chosh & Dr. S. N. Chatteriee

The University of Burdwan, Burdwan, West Bengal, India.

. K. Ghosh & Dr. S. N. Chatterjee Organizing Secretaries

Prof. A. Barik Pr

Prof. G. Chandra

Prof. N. C. Saha Vice Chancellor

South Calcutta Girls' College

NAAC Accredited

72, Sarat Bose Road Kolkata-700 025

Ref. No.....



Phone : Principal : 2454-2265 Office : 2475-3785

Date201

TO WHOME IT MAY CONCERN

This is to certify that Smt. Dalia Majumder served our College as a

Contractual whole time Teacher in Zoology from 10.07.2006 to 21.11.2007.

She is sincere, enthusiastic, punctual and a very good teacher.

I wish her all the success.

Whadhan 18.1.13

Teacher-in-Charge & Secretary.

South Calcutta Girls' College 72, tarm Bose Road, Koi-25



This is to certify that

All MARSON

Dalia Palui (Majunder)

obtained the Degree of Doctor of Philosophy

in _ 300logy under the Faculty of

Science of this University in the

year 2012

Medorafices

Vice-Chancellor