



OFFICE OF THE TEACHER-IN-CHARGE

Raja Narendralal Khan Women's College (Autonomous)

GOVT. SPONSORED

ESTD : 1957

NAAC RE-ACCREDITED "A⁺" GRADE | NIRF RANK - 64 (2023) | DST - FIST | DST - CURIE
UGC - BSR & COLLEGE WITH POTENTIAL FOR EXCELLENCE (CPE)

Recognised Research Centres in (i) Natural & Applied Sciences and (ii) Humanities & Social Sciences

Gope Palace, Dist. - Paschim Medinipur, Pin - 721102, West Bengal

Ref. No. 436/WC/MO/25

Date 13/12/2025

To
The Additional Secretary
Department of Science & Technology and Biotechnology
Government of West Bengal, Vigyan Chetana Bhavan
26/B, DD Block, Sector-I, Salt Lake, Kolkata – 700064

Subject: Request for Financial Assistance for Organising a National Conference under the Science Popularisation Programme

Respected Sir/Madam,

I have the honour to submit herewith the duly filled-in application under the **Science Popularisation Programme** for seeking financial assistance to organise a **two-day National-level Conference** entitled **"Climate Change, Biodiversity, and Environmental Sustainability."**

Dr. Angsuman Chanda, Associate Professor and Director of Research, Raja N.L.Khan Women's College (Autonomous), Midnapore-722102 will act as the **Programme Co-ordinator** for the proposed conference. He is a sincere and dedicated academician with considerable experience in research and academic leadership.

Our institution is located in a **rural and tribal area of Paschim Medinipur district**, and the majority of our students come from economically disadvantaged and socially backward communities, many of whom are first-generation learners. Organising a national-level academic event of this nature will significantly contribute to scientific awareness and capacity building among students, teachers, and researchers from the region.

The proposed conference aims to provide an in-depth understanding of contemporary issues related to climate change and biodiversity, and to facilitate the exchange of knowledge and ideas among academicians, scientists, researchers, teachers, students, and other stakeholders engaged in environmental studies and sustainability.

In view of the above, I earnestly request you to kindly consider and sanction **financial assistance amounting to Rs. 1,50,000/- (Rupees One Lakh Fifty Thousand only)** to enable the successful organisation of the conference at our college.

I shall be grateful for your kind consideration and support.

Thanking you.

Encl: Details Proposal



Yours faithfully,

Swapna Ghorai
13/12/2025
Dr. Swapna Ghorai
Principal

DR. SWAPNA GHORAI
Principal
Raja Narendralal Khan Women's College
(Autonomous)
Midnapore, West Bengal

13 DEC 2025



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 Popularization Programme

1. Programme Type (ref SN 11 of the Memorandum): SI No. 2. **Conference**
2. Title of the proposed Programme: National Conference on “**Climate Change, Biodiversity, and Environmental Sustainability**”
3. Target Group (Faculty, Teacher, Research Scholar, School/College/ University Student, Community):

SI No	Participants	Number
1.	Faculty	20
2.	Research Scholar	30
3.	UG Students	40
4.	PG Students	30
	Total	120

4. Duration (days): 2 days; Tentative Dates of the proposed Programme: Feb 20-21, 2026
5. Aims, Objectives and Details of the Programme (attach separate sheet, if necessary):

Climate Change, Biodiversity, and Environmental Sustainability

About the Conference

Climate change and the rapid decline of biodiversity are among the most urgent and closely linked challenges facing the world today. Rising temperatures, altered rainfall patterns, habitat degradation, and unsustainable resource use are placing unprecedented pressure on ecosystems and the species they support. These changes not only threaten ecological balance but also weaken the natural foundations of human health, food security, and economic stability. Responding effectively demands integrated approaches that combine scientific research, sound policy, and sustainable management practices.

The National Conference on Climate Change, Biodiversity, and Environmental Sustainability is designed to bring together scholars, educators, policymakers, conservation professionals, industry representatives, and students to engage in meaningful discussions on protecting biodiversity in a changing climate. The conference will serve as an interdisciplinary forum for examining ecosystem-based adaptation, nature-based solutions, and innovative conservation strategies that promote both environmental protection and sustainable development.

India's goal of achieving net-zero emissions by 2070 highlights the essential role of natural ecosystems in climate mitigation and adaptation. Forests, wetlands, rivers, coastal systems, and other biodiversity-rich landscapes act as critical carbon sinks while enhancing resilience to climate extremes. Strengthening ecosystem restoration, sustainable land and water use, and biodiversity conservation is therefore central to building long-term climate resilience and supporting livelihoods, particularly in climate-vulnerable regions.

The conference will address key issues such as the impacts of climate change on species and ecosystems, conservation challenges under shifting environmental conditions, sustainable

management of terrestrial, freshwater, and marine ecosystems, and the contribution of biodiversity to climate adaptation and resilience. It will also explore governance and policy perspectives, community-based conservation efforts, indigenous and traditional knowledge systems, and emerging scientific tools for integrating biodiversity concerns into climate strategies.

By convening diverse stakeholders, the conference aims to encourage knowledge exchange, stimulate collaborative research, and promote practical solutions that link climate action with biodiversity conservation. Ultimately, it seeks to inspire collective efforts toward a future that is environmentally resilient, socially equitable, and sustainable for generations to come.

Details of the Programme: Attached Enclosure-1

6. Name, Designation, Postal Address, mobile no. and e-mail id of the (only one) Programme Co-ordinator (PC) (attach separate sheet, if necessary):

Name	Dr. Angsuman Chanda
Designation	Associate Professor and Research Director
Postal Address	Natural and Applied Research Centre Raja N.L.Khan Women's College (Autonomous), Midnapore-721102, (under Vidyasagar University, West Bengal)
Mobile no.	9382080934
e-mail id	chandaangsuman182@gmail.com

7. Legal status of the Institute (School/College/ University/ Institute/ Polytechnic/ITI/ Autonomous body/ registered NGO/ Trust etc.):
Autonomous College NAAC (4th circle, 2024): A+

8. Date wise detail Programme Schedule (attach separate sheet, if necessary):

Date	Programme
Feb 20, 2026	Overview of climate change–biodiversity linkages, impacts on ecosystems and species, ecosystem-based adaptation, nature-based solutions, and emerging scientific research addressing conservation challenges under changing climatic conditions.
Feb 21, 2026	Focus on policy, governance, community and indigenous knowledge, sustainable management of terrestrial and aquatic ecosystems, biodiversity's role in climate resilience, and collaborative strategies supporting India's net-zero and sustainability goals.

Details of the Time Schedule of the Programme: Attached Enclosure-2

9. Collaborating Institutions/ Organizations, if any, with their specific contribution: NA

10. Expected number of participants and list of Resource Persons/ Invited Speakers:

Sl No	Participants	Number of participants
1.	Faculty	20
2.	Research Scholar	30
3.	UG Students	40
4.	PG Students	30
	Total	120
5.	Resource Persons	08
6.	Young Scientists (<35years)	04
7.	Senior Scientists	04

(detailed list to be attached separately).

11. Give details of the grant received from DSTBT in last three Financial Years, if any along with the date of submission of UC, Audited SoE, Report etc.: NA
12. 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:
- Name: Dr. Swapna Ghorai, Principal,
Affiliation: Raja N.L.Khan Women's College (Autonomous), Midnapore-721102,
(under Vidyasagar University, West Bengal)
Phone 8617454030
E-mail: rnkcollege@gmail.com
13. Total Estimated Expenditure (A)/ Organisation's contribution (B)/ Contribution from any other sources (C) / Grant expected from DSTBT(D):

A (Total Estimated Expenditure): Rs. 2,26,000/-
B (Organisation's contribution): Rs. 34,000/-
C (Contribution from other sources): Rs. 42,000/-
D (Grant expected from DSTBT): Rs. 1,50,000/-

Provide cost break-up as per Annexure-I and Bank details 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

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): NA

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: 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: *Angsuman Chanda*

Date: *13/12/2025*

Name of Programme Coordinator:

Dr. Angsuman Chanda

Designation: Associate Professor & Research Director



Swapna
Signature:

Date: *13/12/2025*

Name of Head of the Institution:

Dr. Swapna Ghorai

Designation: Principal
DR. SWAPNA GHORAI
Principal
Raja Narendralal Khan Women's College
(Autonomous)
Midnapore, West Bengal.

13 DEC 2025

Address: Research Centre of Natural and Applied Sciences, Raja Narendral Lal Khan Women's College (Autonomous), medinipur-721102, (Under Vidyasagar University, Paschim Medinipur)

Proposed Total Budget with break-ups**A. Total Estimated Expenditure**

Sl No	Items required with justification and rate	Total Expenditure (A) Rs.
1	Honorarium to Resource Persons/ Experts (8X3000/-)	24000/-
2	Training/ Study materials, Consumables expenses	20000/-
3	Hall rent, if any (for light & sound)	6000/-
4	Publicity materials	12000/-
5	Travel expenses	12000/-
6	T.A. to the external Resource Persons/ Experts	32000/-
7	Documentation expenses including audio-visual	12000/-
8	Light refreshments (120@Rs.400 per dayX2 days)	96000/-
9	Auditors' fee	2000/-
10	Other expenses, if any (please specify) office expense	10000/-
	Grand Total Expenditure (Rs.)	Rs. 2,26,000/-

B. Institution/ Organization Contribution in Rs.34,000/-

C. Contribution from any other sources (registration fees from participants) in Rs. 42,000/-

Sl No	Participants	Number	Registration fees (per person)	Total (Rs)
1.	Faculty	20	Rs. 800	16000/-
2.	Research Scholar	30	Rs. 400	12000/-
3.	UG Students	40	Rs. 200	8000/-
4.	PG Students	30	Rs. 200	6000/-
	Total	120		42,000/-

D. Grant expected from WBDSTBT: A-(B+C): Rs. 2,26,000- (34000+42000) =Rs. 1,50,000/-

(One lakh Fifty Thousand Only)*Angsuman Chanda.*

Signature:

Date: 13/12/2025

Name of Programme Coordinator:

Dr. Angsuman Chanda

Designation: Associate Professor & Research Director

Swapna

Signature:

Date: 13/12/2025

Name of Head of the Institution:

Dr. Swapna Ghorai

Designation: Principal

**DR. SWAPNA GHORAI**
PrincipalRaja Narendralal Khan Women's College
(Autonomous)
Midnapore, West Bengal**13 DEC 2025**

**BANK & OTHER DETAILS OF THE APPLICANT INSTITUTION FOR
RECEIVING GRANT**

Name of the Organization	Raja N.L.Khan Women's College
Account number & name of the Account holder	17480110013885 Principal, Raja Narendralal Khan Women's College
Type of Account (Savings or Current A/c)	Savings
Name of the Bank	UCO Bank
Name of the Branch with Branch address	Vidyasagar University Br. P.O. Vidyasagar University Dist. Paschim Medinipur-721102
IFSC code of the Branch	UCBA0001748
Mobile Number of the concerned official/PI	Principal-8617454030/9434509415
PAN / TAN of the account holder	CALR05174B
File Number (for Office use)	

Date: 13/12/25



Signature of Authorised Person with seal

DR. SWAPNA GHORAI
Principal

Raja Narendralal Khan Women's College
(Autonomous)
Midnapore, West Bengal

13 DEC 2025

Enclosures: Cancelled Cheque / Photo Copy of first page of Bank Pass Book



Two Day National Conference on
Climate Change, Biodiversity, and
Environmental Sustainability

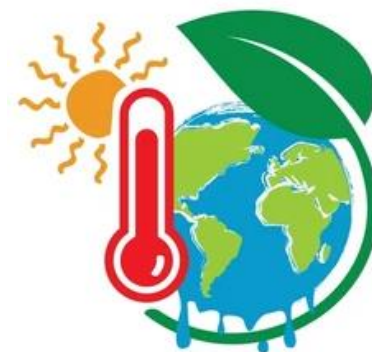
Sponsored by: **WBDSTBT**

on February 20-21, 2026



Venue: B.C. Roy Memorial Hall
Raja N.L.Khan Women's College (Autonomous), Midnapore-721102,
(under Vidyasagar University, West Bengal)

Organised by Natural and Applied Research Centre
Raja Narendralal Khan Women's College (Autonomous)



About the Conference

Climate change and the loss of biodiversity are two of the most serious challenges facing the world today, and they are closely connected. Rising temperatures, changing rainfall patterns, habitat destruction, and the overuse of natural resources are putting great pressure on ecosystems and wildlife. These changes affect not only nature but also human health, food security, and economic well-being. Addressing these problems requires a combined approach involving scientific research, effective policies, and sustainable management practices.

The National Conference on *Climate Change, Biodiversity, and Environmental Sustainability* aims to bring together researchers, teachers, policymakers, conservation experts, industry professionals, and students to discuss ways to protect biodiversity in a changing climate. The conference will provide a common platform to share ideas on ecosystem-based adaptation, nature-based solutions, and innovative conservation practices that support sustainable development.

India's target of achieving net-zero emissions by 2070 highlights the importance of natural ecosystems in reducing climate impacts. Forests, wetlands, rivers, coastal areas, and other rich ecosystems help store carbon and protect communities from climate extremes. Conserving and restoring these ecosystems, along with sustainable use of land and water, is essential for long-term climate resilience and livelihoods, especially in vulnerable regions.

The conference will focus on topics such as the effects of climate change on species and ecosystems, challenges in conservation under changing environmental conditions, and sustainable management of land, freshwater, and marine ecosystems. It will also discuss policy and governance issues, community-based conservation, traditional and indigenous knowledge, and new scientific tools for linking biodiversity conservation with climate action.

By bringing together participants from different fields, the conference aims to promote knowledge sharing, encourage collaborative research, and develop practical solutions that connect climate action with biodiversity conservation. The ultimate goal is to support a future that is environmentally resilient, socially fair, and sustainable for coming generations.

The conference welcomes research papers, case studies, and conceptual frameworks under the following **sub-themes**:

Sub-Theme 1: Climate Change Impacts on Biodiversity

1. Effects of rising temperature on species distribution and survival
2. Changes in rainfall patterns and ecosystem functioning
3. Habitat loss, fragmentation, and species extinction risks
4. Climate stress on forests, wetlands, rivers, and coastal ecosystems
5. Impacts on freshwater and marine biodiversity
6. Biodiversity responses to extreme climate events

Sub-Theme 2: Biodiversity Conservation and Ecosystem Management

1. Conservation challenges under changing climatic conditions
2. Protected areas and landscape-level conservation approaches
3. Restoration of degraded ecosystems
4. Sustainable management of forests, land, and water resources
5. Role of biodiversity in ecosystem services
6. Community participation in conservation practices

Sub-Theme 3: Climate Adaptation, Mitigation, and Nature-Based Solutions

1. Ecosystem-based adaptation strategies
2. Role of biodiversity in climate mitigation and carbon sequestration
3. Nature-based solutions for disaster risk reduction
4. Climate-resilient agriculture and fisheries
5. Linking biodiversity conservation with climate policies
6. Case studies and best practices in climate resilience

Sub-Theme 4: Policy, Governance, and Sustainable Development

1. Environmental policies and climate governance frameworks
2. Biodiversity conservation laws and implementation challenges
3. Indigenous and traditional knowledge systems
4. Community-based and participatory governance models
5. Sustainable development goals and environmental sustainability
6. Education, awareness, and capacity building for sustainability

Call for Papers

We invite submissions of original research papers, review articles, and case studies that align with the themes and sub-themes of the conference. All accepted papers will be published in the conference proceedings, and selected papers may be considered for publication in Springer-Nature Book (GIScience and Geo-environmental Modelling, <https://www.springer.com/series/16663/>)

Important Dates

- **Abstract Submission Deadline:** February 01, 2026.
- **Notification of Acceptance:** February 05, 2026
- **Full Paper Submission Deadline:** February 18, 2026
- **Registration Deadline:** February 18, 2026

Submission Guidelines

- Abstracts should not exceed 300 words and must include the title, authors' names, affiliations, and keywords.

All the communications should be made by email only. Abstract must contain: Background of the study, Objectives, Methods, Results, Discussion and Conclusion.

The format of the abstract: text in MS Word with Times New Roman and 1.5 spacing, Title: all capitals, bold, 14 pt, Author(s): bold, 12 pt, Address: (11 pt) e-mail: only one email of Corresponding author should be provided, Abstract body: (12 pt). Complete sentences, active verbs, and the third person should be used, and the abstract should be written in the past tense. Keywords: up to 5 to 6. (12pt).

- Full papers should follow Springer-Nature Book format
<https://www.springernature.com/gp/authors/publish-a-book/manuscript-guidelines>
- Submit your abstracts and papers via Email Address:
chandaangsuman182@gmail.com

GUIDELINES OF POSTER PRESENTATION

Poster size will be strict 36 inches X 48 inches (Width/Height).

AWARDS Poster Presentation: Best two posters would be selected for award separately in UG and PG students.

Oral Presentation: Best three oral presentation would be selected and awarded from Research Scholar.

ROUTE MAP Midnapore Railway station to the venue is 1 km.

REGISTRATION FEE

Sl No	Participants	Registration fees (per person)
1.	Faculty / Scientist	Rs. 800
2.	Research Scholar	Rs. 400
3.	UG Students	Rs. 200
4.	PG Students	Rs. 200

Organisation Committee:

Chief Patron: Dr. Ashutosh Ghosh, President, Governing Body of Raja N.L.Khan Women's College (Autonomous) & Vice-Chancellor, University of Calcutta

Patron: Dr. Swapna Ghorai, Principal, Raja N.L.Khan Women's College (Autonomous)

Chief Guest: Dr. Dipak Kumar Kar, Vice-Chancellor, Vidyasagar University

Programme Coordinator: Dr. Angsuman Chanda, Associate Professor & Director of Research Centre Raja N.L.Khan Women's College (Autonomous)

Conveners: Dr. Sukumar Mondal, Associate Professor of Mathematics and Coordinator of Research Centre, Raja N.L.Khan Women's College (Autonomous)

Organizing Secretary: Dr. Pravat Kumar Shit. Assistant Professor of Geography, Raja N.L.Khan Women's College (Autonomous)

Signature: *Angsuman Chanda*

Date: 13/12/2025

Name of Programme Coordinator:

Dr. Angsuman Chanda

Designation: Associate Professor & Research Director

DR. ANGSUMAN CHANDA
Associate Professor
Dept. of PG Zoology
Raja Narendralal Khan Women's College (Autonomous)
Cope Palace, Paschim Medinipur-721102



Swapna Ghorai
Signature:

Date: 13/12/2025

Name of Head of the Institution:

Dr. Swapna Ghorai

Designation: Principal

DR. SWAPNA GHORAI
Principal
Raja Narendralal Khan Women's College
(Autonomous)
Midnapore, West Bengal

13 DEC 2025



Two Day National Conference

on

Climate Change, Biodiversity, and Environmental Sustainability

February 20-21, 2026

Venue: B.C. Roy Memorial Hall

**Raja N.L.Khan Women's College (Autonomous), Midnapore-721102,
(under Vidyasagar University, West Bengal)**

Programme Details

Day-1 (February 20, 2026)		
Time	Event	Speakers
9.00AM to 10.00 AM	Registration	-
10.00AM.-12.30 PM	Inaugural Session	
	Welcome Address	Patron: Dr. Swapna Ghorai, Principal, Raja N.L.Khan Women's College (Autonomous)
	About the Conference	Programme Coordinator: Dr. Angsuman Chanda
	Inauguration by Plantation	
	Inaugural speech	Chief Patron: Dr. Ashutosh Ghosh, President, Governing Body of Raja N.L.Khan Women's College (Autonomous) & Vice-Chancellor, University of Calcutta
	Release of Souvenir	
	Speech by the Chief Guest	Prof. (Dr.) Dipak Kumar Kar, Vice-Chancellor, Vidyasagar University
	Keynote address	Dr. Kalyan Rudra, Chairman, West Bengal Pollution Control Board, Kolkata Member, Central Pollution Control Board, MoEF, Govt. of India
	Vote of Thanks	Conveners: Dr. Sukumar Mondal, Associate Professor of Mathematics and Coordinator of Research Centre, Raja N.L.Khan Women's College (Autonomous)
12.30 PM- 1:00 PM	Plenary Lecture – I	Dr. Himadri Sekhar Debnath, Chairman of the West Bengal Biodiversity Board (WBBB)

1:00 PM-2:00 PM	Lunch Break	
2:00 PM-3:30 PM	Technical Session-01	Technical Session-02
	Lead Lecture-01: Dr Manish Kumar Shrivastava Associate Director, Earth Science and Climate Change, The Energy and Resources Institute (TERI)	Lead Lecture-05: Prof. Biswajit Paul Department of Environmental Science and Engineering, IIT Dhanbad
	Lead Lecture-02: Dr. B.K.Mahapatra, Former Principal Scientists, ICAR-CIFE, Kolkata	Lead Lecture-06: Dr. P.P.Adhikary, Principal Scientists, ICAR-NBSS&LUP, Nagpur
	Paper Presentation	Paper Presentation
3:30 PM-5:00 PM	Lead Lecture-03: Prof. (Dr.) Ananta Kumar Das Professor Department of Renewable Energy Engineering, Maulana Abul Kalam Azad University of Technology, West Bengal	Lead Lecture-07: Prof. Rintu Banerjee Professor P.K. Sinha Centre for Bioenergy and Renewable, IIT-Kharagpur
	Lead Lecture-04: Professor (Dr.) Soumendu Chatterjee Head and Professor Department of Geography, Presidency University, Kolkata	Lead Lecture-08: Prof. M D Behera CORAL, IIT Kharagpur
	Paper Presentation	Paper Presentation
	Paper Presentation	Paper Presentation
5:00 PM-5:30 PM	Cultural Programme	
Day-2 (February 21, 2026)		
9:30AM to 10.30AM	Registration	
10:30AM to 12.00AM	Lead Lecture-09: Dr. S.K.Raut, Former Professor of Zoology, University of Calcutta	Lead Lecture-10: Prof. Ashis Panigrahi, Professor of Zoology, University of Kalyani
	Paper Presentation	Paper Presentation
12.00AM to 1:00 PM	Poster Presentation	
1:00 PM-2:00 PM	Lunch Break	
2:00 PM-4:00 PM	Prize Distribution and Valediction Ceremony	
	Vote of Thanks by Organizing Secretary: Dr. Pravat Kumar Shit. Assistant Professor of Geography, Raja N.L.Khan Women's College (Autonomous)	

Signature: *Angsuman Chanda*

Date: *13/12/2025*

Name of Programme Coordinator:

Dr. Angsuman Chanda

Designation: Associate Professor & Research Director

DR. ANGSUMAN CHANDA
Associate Professor
Dept. of PG Zoology
Raja Narendralal Khan Women's College (Autonomous)
Gope Palace, Paschim Medinipur-721102



Signature: *Swapna Ghorai*

Date: *13/12/2025*

Name of Head of the Institution:

Dr. Swapna Ghorai

Designation: Principal

DR. SWAPNA GHORAI
Principal
Raja Narendralal Khan Women's College
(Autonomous)
Midnapore, West Bengal

13 DEC 2025