



Phone 03229-255246(Off) 256221(Prin)

BELDA COLLEGE

(Affiliated to Vidyasagar University)

Re-accredited & Graded 'A+' by NAACCGPA 3.49

Belda :: Paschim Medinipur :: 721424 :: W.B.

Ref No. 09/368/25

Date : 09/12/2025

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

Sub: Forwarding letter for financial assistance for Science Popularisation Programme.

Sir,

I have the honour to forward the filled up application of Science Popularisation Programme for organising a Two days national level Conference on the topic "**Emerging Trends in Nutraceuticals Research: Bridging Nutritional Science and Industry**" where Dr. Koushik Das, Assistant Professor, Department of Nutrition act as a Programme Co-ordinator of this programme. He is very sincere and dedicated teacher.

This college is located in rural and tribal area of Paschim Medinipur district and students of this college belong to poor economic family and most of them are from backward community with first generation learner.

I understand that this National level Conference will provide an in-depth analysis on the topic and will exchange the knowledge and ideas among academicians, scientist, teachers in the field, researchers, scholars, students and also people involved in the said program.

I strongly recommended the proposal to you with a request to award sanction amounting **Rs. 1,50,000/- (One lakh Fifty thousand only)** so that the conference be implemented at our college.

Thanking you.

Attached:

1. Filled Application Format
2. Annexure-I and II
3. Enclosure-1 and 2

Yours faithfully,

Dr. C. Hajra
Principal

Principal
BELDA COLLEGE
Belda, Paschim Medinipur



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 Sl No 11 of the Memorandum):** Two days National Level Conference to be organized by Belda College
- 2. Title of the proposed Programme:** Emerging Trends in Nutraceuticals Research: Bridging Nutritional Science and Industry
- 3. Target Group (Faculty, Teacher, Research Scholar, School/College/ University Student, Community):** Undergraduate and postgraduate students of Nutrition and allied subjects, college teachers, research scholars, and industry persons.
- 4. Duration (days):** Two days Tentative Dates of the proposed Programme: 5th March, 2026 to 6th March 2026
- 5. Aims, Objectives and Details of the Programme** (attach separate sheet, if necessary):
Aim: To create a dynamic platform for academic researchers, industry leaders, regulatory experts, and students to exchange knowledge, discuss cutting-edge research, address translational challenges, and foster collaborations that drive innovation in the Indian nutraceuticals sector. **Objectives:** The nutraceutical industry is undergoing a transformative evolution, driven by advanced science, personalized health trends, and technological innovation. This intersection of nutrition and pharmaceuticals is no longer just about basic vitamins and supplements—it's about targeted, evidence-based solutions designed to improve health outcomes. Here are the key emerging trends in nutraceuticals research shaping the future for **personalized & precision nutraceuticals** (DNA-based nutrition, gut microbiome customization and AI-driven personalization), **Advanced delivery systems** (Nano-encapsulation and ensuring sustained nutrient release or delivery to specific gut regions to maximize efficacy), **Bioactive compounds from Novel Sources**, **Mental health and cognitive performance** (Neuro-nutraceuticals), **Health-span & longevity focus**, **Regulatory & Technological Convergence (Direct-to-Consumer)**, **Sustainable & Ethical Sourcing** (Transparent & Fair-Trade Sourcing). The conference focuses on the **span of the bridge itself**—the translational processes of validation, regulation, scale-up, and commercialization. The left pillar is **Nutritional Science** (evidence, discovery, mechanisms). The right pillar is the **Industry** (products, markets, consumers).

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. Koushik Das

Designation: Assistant Professor, Department of Nutrition

Postal Address: Belda College, Belda, Paschim Medinipur, West Bengal

Mobile No.: 9932241708

E-mail ID:koushikphysiology@yahoo.com

7. Legal status of the Institute (School/College/ University/ Institute/ Polytechnic/ ITI/ Autonomous body/ registered NGO/ Trust etc.): Govt.-aided College affiliated to Vidyasagar University, West Bengal (Belda College).

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

Attached Enclosure-2

9. Collaborating Institutions/ Organizations, if any, with their specific contribution:
No

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

Expected participants: 100 and above (UG/PG students, research scholars, teachers and health workers).

Resource Persons: 5 invited experts from universities, research institutes, hospitals and industry dealing with nutrition and nutraceuticals (detailed list to be attached separately).

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.:

Rs. 24,99,918/- received for BOOST Programme-2024

(Sanction No.722/STBT-13020/1/2023-WBSCST SEC-Dept. of STBT dated:02.06.2025)

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: Principal, Belda College

Address: Belda College, Belda, Paschim Medinipur, West Bengal

Phone / E-mail: principal@beldacollege.ac.in

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. 2,50,000/-

B (Organisation's contribution): Rs. 50,000/-

C (Contribution from other sources): Rs. 50,000/-

D (Grant expected from DSTBT): Rs. 1,50,000/-

(D = A - B - C)

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): 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: 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:

Signature:

Date:

Date:

Name of Programme Coordinator:

Dr. Koushik Das

Designation: Assistant Professor in
Nutrition

Address: Belda College

Koushik Das 09/12/25

Dr. Koushik Das
Assistant Professor
Department of Nutrition
Belda College
Paschim Medinipur

Name of Head of the Institution:

Dr. Chandrasekhar Hajra

Designation: Principal

Address: Belda College

Chandrasekhar Hajra

(Office Seal)

*Principal
BELDA COLLEGE
Belda, Paschim Medinipur*

09.12.25





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Belda :: Paschim Medinipur :: 721424 :: W.B.

Ref No. BC/368728

Date : 9/12/20

Annexure-I

Proposed Total Budget with break-ups

A. Total Estimated Expenditure

Sl. No.	Items required with justification and rate	Total Expenditure (A) ₹
1.	Honorarium to Resource Persons/ Experts	20,000.00
2.	Training/ Study materials, Consumables expenses	10,000.00
3.	Hall rent, if any	-
4.	Publicity materials	15,000.00
5.	Travel expenses	20,000.00
6.	T.A. to the external Resource Persons/ Experts	25,000.00
7.	Documentation expenses including audio-visual	10,000.00
8.	Light refreshments	1,00,000.00
9.	Auditors' fee	5000.00
10.	Other expenses, if any (please specify)	-
Grand Total Expenditure (₹):		2,50,000.00

B. Institution/ Organization Contribution in Rs.50,000/-

C. Contribution from any other sources (registration fees from participants) in Rs. 50,000/-

D. Grant expected from DSTBT (A-B-C) Rs. 1,50,000/-

Signature:

Signature:

Date:

Koushik Das
9/12/20

Dr. Koushik Das
Assistant Professor,
Department of Nutrition
Department of Nutrition
Belda College
Belda, Paschim Medinipur

Programme Coordinator
Organizing Committee of the Conference

Date:

Dr. Chandrasekhar Hajra,
Principal,
Belda College,
Belda-721424, West Bengal,
& Principal
President, BELDA COLLEGE
Belda, Paschim Medinipur
Organizing Committee of the Conference





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Annexure-II

Bank details of the Applicant Organisation

Name of the Organisation	BELDA COLLEGE
Bank Account number & name of the Account holder/ Organisation	1214000100022443, BELDA COLLEGE DEVELOPMENT FUND
Type of Account (Savings or Current A/c)	SAVINGS
Name of the Bank	PUNJAB NATIONAL BANK
Name of the Branch with Branch address	BELDA, PASCHIM MEDINIPUR
IFSC of the Branch	PUNB0121400
Mobile Number of the Programme Coordinator/ Head of the Organisation	9475322819
PAN / TAN of the Account holder/ Organisation	AAABB1032B



Signature of Authorised Personnel with seal

Principal
BELDA COLLEGE
Belda, Paschim Medinipur



2 Days National Level Conference

on

‘Emerging Trends in Nutraceuticals Research: Bridging Nutritional Science and Industry’

Date: 5th March, 2026 and 6th March 2026

Venue: Theatre Hall, Belda College, Belda, Pascim Medinipur.

Organized by

Belda College, Belda, Pascim Medinipur
Dist-Paschim Medinipur, West Bengal.

The main objectives and areas covered by the conference

To create a dynamic platform for academic researchers, industry leaders, regulatory experts, and students to exchange knowledge, discuss cutting-edge research, address translational challenges, and foster collaborations that drive innovation in the Indian nutraceuticals sector. The nutraceutical industry is undergoing a transformative evolution, driven by advanced science, personalized health trends, and technological innovation. This intersection of nutrition and pharmaceuticals is no longer just about basic vitamins and supplements—it's about targeted, evidence-based solutions designed to improve health outcomes. Here are the key emerging trends in nutraceuticals research shaping the future for **personalized & precision nutraceuticals** (DNA-based nutrition, gut microbiome customization and AI-driven personalization), **Advanced delivery systems** (Nano-encapsulation and ensuring sustained nutrient release or delivery to specific gut regions to maximize efficacy), **Bioactive compounds from Novel Sources**, **Mental health and cognitive performance** (Neuro-nutraceuticals), **Health-span & longevity focus**, **Regulatory & Technological Convergence (Direct-to-Consumer)** **Sustainable & Ethical Sourcing** (Transparent & Fair-Trade Sourcing). The conference focuses on the **span of the bridge itself**—the translational processes of validation, regulation, scale-up, and commercialization. The left pillar is **Nutritional Science** (evidence, discovery, mechanisms). The right pillar is the **Industry** (products, markets, consumers).

THEME OF THE ANNUAL CONFERENCE

- **Key note:** Global Trends and the Future of Personalized Nutrition.
- **Theme-1:** Bioactive compound discovery (from herbs, marine, agri-waste), extraction technologies (green extraction), nanonutraceuticals, probiotics & postbiotics, synbiotics.

- **Theme-2:** In-vitro/in-vivo studies, clinical trial design for nutraceuticals, biomarkers of efficacy, gut-health axis research.
- **Theme-3:** Introduction to In-silico Tools for Nutraceutical Bioactivity Screening.
- **Theme-4:** Nutraceutical startups on their innovations, scaling up production, stability studies, delivery systems (encapsulation), food fortification, product formulation challenges.
- **Theme-5:** Market trends, consumer behavior, digital marketing of nutraceuticals, branding, FSSAI, Drugs vs. Foods, and Import-Export Policies.

Target Audience:

- Academicians & Researchers (Food Science, Nutrition, Pharmacy, Biotechnology)
- R&D Scientists from Nutraceutical, Food, and Pharma Industries
- Regulatory Affairs Professionals
- Start-up Entrepreneurs & Innovators
- Clinical Nutritionists & Dietitians
- Agri-business Professionals (for functional raw materials)
- Students (Food Science, Nutrition, Pharmacy, Biotechnology)

GUIDELINES OF ABSTRACT SUBMISSION

Abstract for oral and poster presentation (within 250 words) may be sent by email to:
nutrition@beldacollege.ac.in

All the communications should be made by email only. Abstract must contain: Background, Objectives, Methods, Results 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 6 to 8. (12pt).

GUIDELINES OF POSTER PRESENTATION

Poster size will be strict 24cm X30cm (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

Belda Railway station to the venue is 1 km. The distance between Belda Bus Stand to the venue is 1.5 km.

REGISTRATION FEE

	Registration
Students (UG/PG) / Research Scholar	Rs. 400.00
Teachers/ Scientists/ Delegates	Rs. 600.00

IMPORTANT DATES

Last date for submission of Abstract

: 25.02.2026

Invitation from the Desk of the Organizing Committee

We have the honour and great privilege to inform all concern of people including Scientists, Academicians, Doctors, Health Professionals, Researchers, Microbiologists, Nutritionists, Students, Industry, NGO Representatives from all part of our country to attend the **2 Days National Level Conference on 'Emerging Trends in Nutraceuticals Research: Bridging Nutritional Science and Industry'**

You are cordially invited to participate in this seminar to share knowledge and inspire us to make the event grand success.

With Regards.

Organisation committee:

Chief Patron:	Sri Surjya Kanta Atta, Patron: President, Governing Body	Dr. Chandrasekhar Hajra Principal
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Programme Co-ordinator	Dr. Koushik Das, Assistant Professor in Nutrition	Organizing Secretary:	Dr. Kamal Hossain Assistant Professor in Physics
		Organizing Secretary (Jt):	Dr. Balaram Das Assistant Professor in Physiology

Conveners	1.Dr. Devastotra Poddar, Assistant Professor in Nutrition	Co-Conveners	1.Dr. Anumita Mallick 2.Prof. Anju Manna 3.Prof. Sanjay Das
	2.Prof. Riya Mondal, Assistant Professor in Nutrition		



Principal
BELDA COLLEGE
Belda, Paschim Medinipur



Two days National Level Seminar
On
Emerging Trends in Nutraceuticals Research: Bridging
Nutritional Science and Industry

Date: 5th to 6th March, 2026

Venue: Theater Hall, Belda College, Belda, Paschim Medinipur.

Programme Details

DAY 01 5th March, 2026			
Time	Event	Duration	
9.00AM to 10.00 AM	Registration	1 hr	Venue: Registration Desk, Theater Hall
10.00AM.-11.30 AM	Inaugural Session	1 1/2 hr	Venue: Theater Hall
	Welcome Address	10 min	Dr. Chandrasekhar Hajra Principal, Belda College
	Inauguration by Plantation	10 min	Inaugurator Sri Surja Kanta Atta, President of Belda College
	Inaugural speech	20 min	
	Release of Souvenir	5 min	
	Speech by the Chief Guest	15 min	To be decided by college authority
	Key note address	60 min	Prof. Dilip Kumar Nandi Professor, Paramedical & Allied Health Science, Midnapore City College
	About the Seminar & Vote of Thanks	15 min	Dr. Koushik Das, Assistant Professor, Belda College Dr. Kamal Hossain, Assistant Professor Dept. of Physics, and Co-ordinator IQAC, Belda College
(11:30A.M. – 12.30 P.M) (Theater Hall)	Technical Session I	Lecture-50 minutes+10 minutes discussion=60 minutes)	Theme 1: Bioactive compound discovery (from herbs, marine, agri- waste), extraction technologies (green extraction), nanonutraceuticals, probiotics & postbiotics, synbiotics.

Enclosure-II

			<p>Chairperson: Dr. Keshab Chandra Mondal, Professor & Head of Microbiology, Vidyasagar University.</p> <p>Speaker: Dr. Rajkumar Duary, Head, Department of Dairy Science and Technology, Banaras Hindu University</p>
(12:30P.M. – 1.30 P.M) (Theater Hall)	Technical Session II	Lecture-50 minutes+10 minutes discussion=60 minutes	<p>Theme 2: In-vitro/in-vivo studies, clinical trial design for nutraceuticals, biomarkers of efficacy, gut-health axis research.</p> <p>Chairperson: Prof. Dilip Kumar Nandi Professor, Paramedical & Allied Health Science, Midnapore City College</p> <p>Speaker: Dr. Keshab Chandra Mondal, Professor & Head of Microbiology, Vidyasagar University.</p>
1.30 p.m. – 2.30 p.m	LUNCH BREAK	60 min	Venue-Food Court
(2:30 P.M-3.00 P.M.) (Theater Hall)	Technical Session III	Lecture-20 minutes+10 minutes discussion=30 minutes	<p>Theme 3: Introduction to In-silico Tools for Nutraceutical Bioactivity Screening.</p> <p>Chairperson: Dr. Keshab Chandra Mondal, Professor, HOD of Microbiology, Vidyasagar University & Prof. Dilip Kumar Nandi Professor, Paramedical & Allied Health Science, Midnapore City College</p> <p>Speaker: Dr. Amrita Bannerjee, Assistant Professor, Siksha 'o' Anusandhan University, Bhubaneswar, Orissa</p> <p>Speaker: Dr. Amitava Pal, Assistant Professor Dept. of Physiology, City College, Kolkata</p>

Enclosure-II

DAY 1 (3:00 P.M-4.00 P.M.) (Corridor, 2 nd Floor)	Poster Session	60 minutes	UG and PG Students
DAY 1 (3:00 P.M-5.00 P.M.) (Parallel Session Theater Hall)	Oral Presentation	(20 minutes x 5 =100 minutes+20 minutes discussion=120 minutes)	Research Scholars
DAY 02 6th March, 2026			
9.00 a.m. – 10.00 a.m.	Registration with Break Fast and Tea	1 hr	Delegates
DAY 2 (10:00 A.M-11.00 A.M.) (Theater Hall)	Technical Session IV	Lecture-50 minutes+10 minutes discussion=60 minutes)	<p>Theme 4: Nutraceutical startups on their innovations, scaling up production, stability studies, delivery systems (encapsulation), food fortification, product formulation challenges.</p> <p>Chairperson: Dr. Sukumar Debnath, Scientist F, CSIR-CFTRI, Mysuru</p> <p>Speaker: Dr. Sandip Chattopadhyay, Professor and Head of Biomedical Laboratory Science, Vidyasagar University.</p>
DAY 2 (11:45 A.M-1.00 P.M.) (Theater Hall)	Oral Presentation	(12 minutes x 5 Lecture=60 minutes+15 minutes discussion=75 minutes)	<p>Theme 5 : Market trends, consumer behavior, digital marketing of nutraceuticals, branding, FSSAI, Drugs vs. Foods, and Import-Export Policies.</p> <p>Chairperson: Dr. Sandip Chattopadhyay, Professor and Head of Biomedical Laboratory Science, Vidyasagar University.</p> <p>Speaker: Dr. Devastotra Poddar, Assistant Professor Dept. of Nutrition, Belda College</p>

Enclosure-II

1.00 p.m. – 2.00 p.m	LUNCH BREAK	1 hr	Venue-Food Court
DAY 2 (2.00 P.M-3.30 P.M.) (Theater Hall)	Valedictory Session	1½ hr	President: Dr. Chandrasekhar Hajra, Principal, Belda College
	Speech for Conference Concluding	60 min	Dr. Chandrasekhar Hajra, Principal, Belda College
	Valedictory Speech	30 min	Dr. Kamal Hossain, Assistant Professor, Dept. of Physics, and Co-ordinator IQAC, Belda College
	Feedback from participants	20 min	Participants
	Vote of Thanks	10 min	Prof. Riya Mondal, Assistant Professor Dept. of Nutrition, Belda College

Koushik Das
21/12/15

Dr. Koushik Das
Assistant Professor,
Department of Nutrition
Belda College
Belda-721424, West Bengal
&
Programme Coordinator
Organizing Committee of the Conference
E.mail: koushikphysiology@yahoo.com
Ph No: 9932241708

J. M. Hajra

Dr. Chandrasekhar Hajra,
Principal,
Belda College,
Belda-721424, West Bengal.
&
President,
Organizing Committee of the Conference
E.mail:
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Principal
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Belda, Paschim Medinipur