

BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH

A NCTE and NAAC accredited (B⁺⁺) College

5/3, MAHATMA GANDHI ROAD, HOWRAH – 711 101.

Ref. No

Date

INTERNATIONAL CONFERENCE ON FACETS OF BASIC SCIENCES AND APPLICATIONS (FBSA 2K25)

1. Workshop/Seminar/Conference/Invited or Extension Lecture: International Conference

2. Online/Offline: Blended mode

3. Institutional/International/National/Regional: All

4. Title: FACETS OF BASIC SCIENCES AND APPLICATIONS (FBSA 2K25)

5. Date: January 3 - 4, 2025

6. Organizer(s): RESEARCH & DEVELOPMENT CELL, IQAC and Department of Pure & Biological Sciences

E-mail : bkgc_howrah@yahoo.com

Phone : 2641-2341

2641-4877

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5/3, MAHATMA GANDHI ROAD, HOWRAH – 711 101.

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**7. Funding (with
proof):**

BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH**A NCTE and NAAC accredited (B⁺⁺) College**

5/3, MAHATMA GANDHI ROAD, HOWRAH – 711 101.

Ref. No

Date

**INTERNATIONAL CONFERENCE
ON
FACETS OF BASIC SCIENCES AND APPLICATIONS (FBSA)
JANUARY 3 - 4, 2025**

To
The Principal
Bijoy Krishna Girls' College, Howrah

Subject: Application for advance for FBSA-2025

Respected Madam,

Please sanction Rs. 1,10,000 (One lakh ten thousand) for smooth functioning of the International Conference on "Facets of Basic Sciences and Applications (FBSA)" which will be held on 3 - 4th January 2025.

Thanking You

Faithfully Yours

Sangit Anjum 7/12/24

Naren Mudi 7/12/24

(Treasures)

Proposed Budget

Sl. No.	Items	Quantity	Amount
1	Gifts for resource person	5 x 5,000	25,000
2	Travel allowance	5 x 1,000	5,000
3	Printing		6,000
4	Kits for participants	50 x 200	10,000
5	Videography/Photography	2 Days	3,000
6	Decorations		5,000
7	Refreshment		45,000
8	Miscellaneous		11,000
	Total		1,10,000

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Ref. No

Date

8. Collaborators (with proof): NA

9. Resource Persons (with invitation and acceptance letters):

E-mail: rdcell@bkgc.in

Phone: 033-26412341



BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH

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5/3, MAHATMA GANDHI ROAD, HOWRAH – 711 101

RESEARCH & DEVELOPMENT CELL, IQAC



Ref.: BKGCRDC/2024-26/14

Date: 07-09-2024

To
Dr Jaydeb Sarkar
Professor
Indian Statistical Institute
Statistics and Mathematics Unit
Bangalore
Karnataka, India

Dear Sir,

I am pleased to invite you to deliver a Lecture, as a **Keynote Speaker**, in the International Conference on "FACETS OF BASIC SCIENCE AND APPLICATION(FBSA) 2K25" organised by R&D Cell, IQAC and the departments of Mathematics, Physics, Chemistry, Computer Science, Statistics, Electronics of Bijoy Krishna Girls' College, Howrah, at College Auditorium, on 4th January, 2025 at 11 am.

Your acceptance will be highly appreciated.


.....
(Dr Ruma Bhattacharyya)

(Chairperson, R&D Cell & Principal, BKGCC, Howrah)

Principal / Secretary
Bijoy Krishna Girls' College
5/3 M.G. Road, Howrah-1

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Phone: 033-26412341



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5/3, MAHATMA GANDHI ROAD, HOWRAH – 711 101

RESEARCH & DEVELOPMENT CELL, IQAC



Ref.: BKGCRDC/2024-26/13

Date: 07-09-2024

To
Dr. Dwaipayan Chakrabarti
Associate Professor
School of Chemistry
University of Birmingham

Dear Sir,

I am pleased to invite you to deliver a Lecture, as an **Invited Speaker**, in the International Conference on "FACETS OF BASIC SCIENCES AND APPLICATIONS(FBSA) 2K25" organised by R&D Cell, IQAC and the departments of Mathematics, Physics, Chemistry, Computer Science, Statistics, Electronics of Bijoy Krishna Girls' College, Howrah, at College Auditorium, on 3rd January, 2025 at 11 am.

Your acceptance will be highly appreciated.


.....
(Dr Ruma Bhattacharyya)

(Chairperson, R&D Cell & Principal, BKGCR, Howrah)

Principal / Secretary
Bijoy Krishna Girls College
5/3, M. G. Road, Howrah-1



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RESEARCH & DEVELOPMENT CELL, IQAC



Ref.: BKGCRDC/2024-26/12

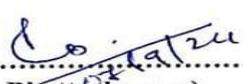
Date: 07-09-2024

To
Dr Sudeshna Basu
Department of Mathematics and Statistics
Loyola University Baltimore
Maryland, USA

Dear Madam,

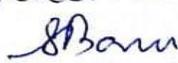
I am pleased to invite you to deliver a Lecture, as a **Keynote Speaker**, in the International Conference on “FACETS OF BASIC SCIENCE AND APPLICATION(FBSA) 2K25” organised by R&D Cell, IQAC and the departments of Mathematics, Physics, Chemistry, Computer Science, Statistics, Electronics of Bijoy Krishna Girls' College, Howrah, at College Auditorium, on 3rd January, 2025 at 10 am.

Your acceptance will be highly appreciated.


.....
(Dr Ruma Bhattacharyya)

(Chairperson, R&D Cell & Principal, BKGCC, Howrah)

Principal / Secretary
Bijay Krishna Girls' College
5/3. M. G. Road, Howrah-1

Received


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RESEARCH & DEVELOPMENT CELL, IQAC



Ref.: BKGCRDC/2024-26/32

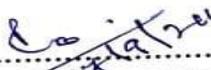
Date: 07-09-2024

To
Dr Bappaditya Dey
Advanced Patterning Senior R&D Engineer
IMEC, Leuven, Belgium

Dear Sir,

I am pleased to invite you to deliver a Lecture, as a **Invited Speaker**, in the International Conference on "FACETS OF BASIC SCIENCES AND APPLICATIONS(FBSA) 2K25" organised by R&D Cell, IQAC and all the science departments of Bijoy Krishna Girls' College, Howrah, at College Auditorium, on 3rd January, 2025 at 12 pm.

Your acceptance will be highly appreciated.


.....
(Dr Ruma Bhattacharyya)

(Chairperson, R&D Cell & Principal, BKGCC, Howrah)

Principal / Secretary
Bijay Krishna Girls' College
5/3, M. G. Road, Howrah-1

Received & Accepted
B. Dey
11/11/2024

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RESEARCH & DEVELOPMENT CELL, IQAC

Ref.: BKGC/RDC/2024-26/28

Date: 05-10-2024

To
Dr Soumitro Banerjee
Professor,
Department of Physical Sciences
Indian Institute of Science Education & Research, Kolkata
Mohanpur Campus,
WB 741246
India



Dear Sir,

I am pleased to invite you to deliver a Lecture, as a **Plenary Speakers**, in the International Conference on "FACETS OF BASIC SCIENCES AND APPLICATIONS(FBSA) 2K25" organised by R&D Cell, IQAC and the departments of Mathematics, Physics, Chemistry, Computer Science, Statistics, Electronics of Bijoy Krishna Girls' College, Howrah, at College Auditorium, on 4th January, 2025 at 10 am.

Your acceptance will be highly appreciated.


.....
(Dr Ruma Bhattacharyya)

(Chairperson, R&D Cell & Principal, BKGC, Howrah)

Principal / Secretary
Bijoy Krishna Girls' College
5/3 M. G. Road, Howrah-1


4/11/25

BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH

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RESEARCH & DEVELOPMENT CELL, IQAC



Ref.: BKGCRDC/2024-26/31

Date: 07-12-2024

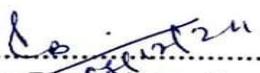
To
Dr Anupam Basu
Ramanna Chair Professor,
Jadavpur University,
Kolkata

Dear Sir,

I am pleased to invite you as the Chief Guest of the Inaugural Session at the International Conference on "Facets of Basic Sciences and Applications (FBSA) 2K25" organised by R&D Cell, IQAC and all science departments of Bijoy Krishna Girls' College, Howrah at the College Auditorium on 3rd January 2025 at 09:30 AM.

Your kind acceptance will be deeply appreciated.

With warm regards,


.....
(Dr Ruma Bhattacharyya)
(Chairperson, R&D Cell & Principal, BKGCR, Howrah)
Principal / Secretary
Bijoy Krishna Girls College
5/3, M. G. Road, Howrah - 1



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RESEARCH & DEVELOPMENT CELL, IQAC



Ref.: BKGCRDC/2024-26/14/A

Date: 06-12-2024

To

Dr Jaydeb Sarkar

Professor

Indian Statistical Institute

Statistics and Mathematics Unit

Bangalore

Karnataka, India

Dear Sir,

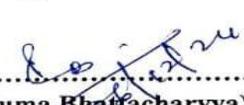
We extend our heartfelt gratitude to you for accepting our invitation to deliver the Keynote Talk at the International Conference on “Facets of Basic Sciences and Applications (FBSA) 2K25” on 4th January 2025 at 11:00 AM.

We would be further honored if you could kindly chair the session for the Plenary talk by Dr Soumitro Banerjee, Professor, Indian Institute of Science Education & Research, Kolkata, scheduled on the same day at 10:00 AM.

Your kind acceptance will be deeply appreciated.

With warm regards,

Sincerely,


.....
(Dr Ruma Bhattacharyya)


Principal / Secretary
Bijay Krishna Girls' College
5/3 M. G. Road, Howrah-1

(Chairperson, R&D Cell & Principal, BKGCRDC, Howrah)

E-mail : bkgc_howrah@yahoo.com

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RESEARCH & DEVELOPMENT CELL, IQAC



Ref.: BKGC/RDC/2024-26/13/A

Date: 06-12-2024

To
Dr. Dwaipayan Chakrabarti
Associate Professor
School of Chemistry
University of Birmingham

Dear Sir,

We extend our heartfelt gratitude to you for accepting our invitation to deliver the Invited Talk at the International Conference on "Facets of Basic Sciences and Applications (FBSA) 2K25" on 3rd January 2025 at 11:00 AM.

We would be further honored if you could kindly chair the session for the Keynote talk by Dr Sudeshna Basu, Loyola University Baltimore Maryland, USA on the same day at 10am.

Your kind acceptance will be deeply appreciated.

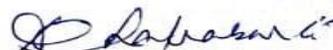
With warm regards,

Sincerely,


.....
(Dr Ruma Bhattacharyya)

(Chairperson, R&D Cell & Principal, BKGC, Howrah)

Principal / Secretary
Bijoy Krishna Girls College
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RESEARCH & DEVELOPMENT CELL, IQAC



Ref.: BKGCRDC/2024-26/12/A

Date: 06-12-2024

To
Dr Sudeshna Basu
Department of Mathematics and Statistics
Loyola University Baltimore
Maryland, USA

Dear Madam,

We extend our heartfelt gratitude to you for accepting our invitation to deliver the Keynote Talk at the International Conference on "Facets of Basic Sciences and Applications (FBSA) 2K25" on 3rd January 2025 at 10:00 AM.

We would be further honored if you could kindly chair the session for the invited talk by Dr. Dwaipayan Chakraborty, Associate Professor, University of Birmingham, scheduled on the same day at 11:00 AM.

Your kind acceptance will be deeply appreciated.

With warm regards,

Sincerely,


.....
(Dr Ruma Bhattacharyya)

(Chairperson, R&D Cell & Principal, BKGCRDC, Howrah)

Principal / Secretary
Bijoy Krishna Girls' College
5/3, MAHATMA GANDHI ROAD, HOWRAH - 711 101

Received
Bann.

BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH**A NCTE and NAAC accredited (B⁺⁺) College**

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10. Numer of Participants (with proof) & typed list of participants in excel sheet.

1	Salutation	First Name	Middle Name	Surname	Phone Number(WhatsApp)	Affiliating Institution/University/ College	Select Track	Mode of Presentation
2	Mr	Indrajit		Mondal	7003630474	Jadavpur University	Physical Sciences	Offline
3	Ms	Trishita		Hassan	6297285283	Jadavpur University	Physical Sciences	Offline
4	Ms	Sucheta		Mitra	7063535078	Jadavpur University	Physical Sciences	Offline
5	Ms	Piyali		Halder	7001991120	Jadavpur University	Physical Sciences	Offline
6	Ms	Shireen		Sultana	8101779263	Jadavpur University	Physical Sciences	Offline
7	Mr	Somen		Biswas	9434951741	Bangabasi College and Jadavpur University	Physical Sciences	Offline
8	Dr	Saroj	Kumar	Ghosh	9474643180	Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147, West Bengal	Biological Sciences	Offline
9	Dr	Arindam		Mandal	08900305595	Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly, West Bengal-712147	Biological Sciences	Offline
10	Mr	Ranajoy		DAS	9330525127	Jadavpur University	Physical Sciences	Offline
11	Mr	AMARTYA		SAU	7797139203	JADAVPUR UNIVERSITY	Physical Sciences	Offline
12	Ms	Shriparna		Roy	9564882822	Jadavpur University	Physical Sciences	Offline
13	Mr	Souvik		Sau	9830623959	JADAVPUR	Physical	Offline

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Date

3						UNIVERSITY	Sciences	
1 4	Ms	Neelanjana		Bag	7001379327	Jadavpur University	Physical Sciences	Offline
1 5	Ms	Anweshana		Mukherjee	9051316491	Jadavpur University	Physical Sciences	Offline
1 6	Mr	ALAPAN		PAL	9038075350	JADAVPUR UNIVERSITY	Physical Sciences	Offline
1 7	Dr	Raju		Dutta	9883189499	Sushil Kar College	Computational Sciences	Offline
1 8	Mr	Ankush		Mitra	9432352479	Zoological Survey of India	Biological Sciences	Offline
1 9	Dr	Dipanjan		Ray	9874536542	Bajkul Milani Mahavidyalay	Biological Sciences	Offline
2 0	Mr	SURAJIT		DAS	8918265754	JADAVPUR UNIVERSITY	Physical Sciences	Offline
2 1	Dr	RAJU		DUTTA	9883189499	SUSHIL KAR COLLEGE	Mathematical Sciences	Offline
2 2	Dr	Sunit Kumar		Chakraborty	8017618122	Raja Rammohun Roy Mahavidyalaya affiliated to Burdwan University	Biological Sciences	Offline
2 3	Mr	Barun Kumar		Mondal	9093264405	Narajole Raj College	Chemical Sciences	Offline
2 4	Dr	MADHABI		AICH (SARKAR)	9143643617	KHALISANI MAHAVIDYALAYA	Biological Sciences	Offline
2 5	Mr	RADHA	BINOD	DAS	9851412244	EGRA SSB COLLEGE	Mathematical Sciences	Online
2 6	Dr	Anuva		Samanta	9830969298	Victoria Institution (College)	Chemical Sciences	Online
2 7	Mr	Raju		Majumdar	8536830731	Vidyasagar University	Biological Sciences	Online

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28	Dr	Bhaskar	Chandra	Sarkar	7362928035	Ramananda College, Bishnupur	Mathematical Sciences	Online
29	Dr	Prasanta		Das	+919635129835	Ramananda College, Bishnupur	Mathematical Sciences	Online
30	Mr	Ajjur	Rahaman	Mallick	9007961952	Maheshtala College	Mathematical Sciences	Online
31	Ms	AMMU		S P	9746661278	Sree Narayana college, Cherthala	Biological Sciences	Online
32	Dr	Sraboni		Chatterjee	9830454283	Bijoy Krishna Girls' College, Howrah	Allied Subjects	Offline
33	Dr	Santanu		Chakraborty	9163628133	Bhairab Ganguly College	Allied Subjects	Online
34	Dr	Tanbir		Nasim	8336959101	Bijoy Krishna Girls' College	Chemical Sciences	Offline
35	Mr	ABHIJIT		BAR	8420373807	JOGESH CHANDRA CHAUDHURI COLLEGE	Physical Sciences	Online
36	Mr	Biswajit		Saha	8013671129	Bijoy Krishna Girls' College Howrah	Biological Sciences	Offline
37	Dr	Debjani		Mitra	9836993470	Bijoy Krishna Girls' College, Howrah	Allied Subjects	Offline
38	Dr	Sampriti		Biswas	7319041327	Krishnath College, Berhampore, Murshidabad West Bengal	Allied Subjects	Online
39	Dr	Samiran		Banerjee	9874209951	Bijoy Krishna Girls' College, Howrah	Mathematical Sciences	Offline
40	Dr	NAREN		MUDI	7872410048	BIJOY KRISHNA GIRLS' COLLEGE,	Chemical Sciences	Offline

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Date

						HOWRAH		
4 1	Mr	Basudeb		Roy Chaudhu ry	9434834020	Bijoy Krishna Girls' College,Howrah	Physical Sciences	Offline
4 2	Ms	Mrittika		Sarkar	8337017061	Indian Institute of Management, Amritsar.	Allied Subjects	Online
4 3	Dr	BHASKA R		CHAUDH URI	9932995091	BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH	Computati onal Sciences	Offline
4 4	Dr	Shampa		Mondal	9434834090	Aghore Kamini Prakash Chandra Mahavidyalaya, Bengai, Hooghly	Physical Sciences	Offline
4 5	Dr	Pratap		Mondal	9732914192	Bijoy Krishna Girls'College, Howrah	Mathemat ical Sciences	Offline
4 6	Mr	Ranen		Bhattach arya	9331019671	Bijoy Krishna Girls' College, Howrah	Mathemat ical Sciences	Offline
4 7	Mr	Joy		Adhikary	09051229148	Bijoy Krishna Girls' College, Howrah	Computati onal Sciences	Offline
4 8	Mr	Ananta		Halder	9832534343	Bijoy Krishna Girls' College, Howrah	Allied Subjects	Offline
4 9	Dr	SUBHRA DIP		DAS	9748890604	BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH	Physical Sciences	Offline
5 0	Dr	SOUVIK		DAS	9681143730	BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH	Allied Subjects	Offline
5 1	Dr	Subhajit		Maity	8777241123	University of Burdwan	Biological Sciences	Offline
5 2	Ms	Manasi		Upadhya y	9330269130	Calcutta University	Biological Sciences	Offline

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53	Dr	Anshu		Bajaj	9813918158	C.C.S.H.A.U,HIS AR	Biological Sciences	Online
54	Ms	Shilpa		Mishra	9406396142	Govt. D.B. girls' P.G. College, Raipur (C.G.)	Biological Sciences	Online
55	Ms	S	Indhumathi		9659206917	Nehru Arts and Science College, Coimbatore	Mathematical Sciences	Online
56	Dr	Vibha		Choubey	9424650499	Govt. J. Y. C. G. College, Raipur, Chhattisgarh	Computational Sciences	Offline
57	Ms	Rachana		Manna	9073584140	University of Calcutta	Biological Sciences	Offline
58	Mr	ABHIJIT		PAKHIRA	09674008675	VIVEKANANDA MAHAVIDYALAYA, HARIPAL, HOOGHLY, PIN-712405	Biological Sciences	Offline
59	Ms	LAZUMLA	TSHERING	SHERPA	9932872559	BIJOY KRISHNA GIRLS' COLLEGE	Chemical Sciences	Offline
60	Dr	Asmita		Mukherjee	9433325448	University of Calcutta	Allied Subjects	Offline
61	Dr	Bidyadhar		Mondal		BIJOY KRISHNA GIRLS' COLLEGE	Chemical Sciences	Offline
62	Dr	Nandita		Palit		BIJOY KRISHNA GIRLS' COLLEGE	Physical Sciences	Offline
63	Mr	Jhantu		Paul		BIJOY KRISHNA GIRLS' COLLEGE		
64	Mr	Subrata	Kumar	Banik		BIJOY KRISHNA GIRLS' COLLEGE	Allied Subjects	Offline
65	Dr	Shyamal	Kumar	Paul		BIJOY KRISHNA GIRLS' COLLEGE	Physical Sciences	Offline

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5/3, MAHATMA GANDHI ROAD, HOWRAH – 711 101.

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Date

• **Attendance Sheet(s)**

FBSA 2025							Signature (3.1.25)	Signature (4.1.25)	Signature
Slutation	First Name	Middle	Surname	Affiliating Institution/University/ College					
1.	Mr	Indrajit	Mondal	Jadavpur University		Indrajit	Indrajit		
2.	Ms	Trishita	Hassan	Jadavpur University		Trishita Hassan	Trishita Hassan		
3	Ms	Sucheta	Mitra	Jadavpur University		Sucheta Mitra	Sucheta Mitra		
4.	Ms	Piyali	Halder	Jadavpur University		Piyali Halder			
5.	Ms	Shireen	Sultana	Jadavpur University		Shireen Sultana	Shireen Sultana		
6	Mr	Somen	Biswas	Bangabasi College		Somen Biswas	Somen Biswas		
7.	Dr	Saroj	Kumar	Ghosh	Bejoy Narayan Mahavidyalaya,	Saroj K Ghosh			
8.	Dr	Arindam	Mandal	Bejoy Narayan Mahavidyalaya,		Arindam Mandal			
9	Mr	Ranajoy	DAS	Jadavpur University	Kalyan Kumar Banerjee	Ranajoy Das	Kalyan Kumar Banerjee		
10.	Mr	AMARTYA	SAU	JADAVPUR UNIVERSITY		Amartya Sau	Amartya Sau		
11.	Ms	Shriparna	Roy	Jadavpur University		Shriparna Roy	Shriparna Roy		
12.	Mr	Souvik	Sau	JADAVPUR UNIVERSITY		Souvik Sau	Souvik Sau		
13.	Ms	Neelanjana	Bag	Jadavpur University		Neelanjana Bag	Neelanjana Bag		
14	Ms	Anwasha	Mukherjee	Jadavpur University		Anwasha Mukherjee	Anwasha Mukherjee		
15	Mr	ALAPAN	PAL	JADAVPUR UNIVERSITY		Alapan Pal	Alapan Pal		
16	Dr	Raju	Dutta	Sushil Kar College		Raju Dutta	Raju Dutta		
17	Mr	Ankush	Mitra	Zoological Survey of India		Ankush Mitra	Ankush Mitra		
18.	Dr	Dipanjat	Ray	Bajkul Milani Mahavidyalay		Dipanjat Ray			
19	Mr	SURAJIT	DAS	JADAVPUR UNIVERSITY		Surajit Das	Surajit Das		
58-20	Dr	RAJU	DUTTA	SUSHIL KAR COLLEGE		Raju Dutta	Raju Dutta		
20	Dr	Sunit	Kumar	Chakraborty	Raja Rammohun Roy Mahavidyalaya	Sunit Kumar			
21	Mr	Barun	Kumar	Mondal	Narajole Raj College	Barun Kumar			
22	Dr	Subhajit	Maity		University of Burdwan	Subhajit Maity			
23	Ms	Manasi	Upadhyay		Calcutta University	Manasi Upadhyay			
24	Dr	MADHABI	AICH (SARKAR)		KHALISANI MAHAVIDYALAYA	Madhabi Aich			
25	Mr	RADHA	BINOD	DAS	EGRA SSB COLLEGE	Radha Binod Das			
26	Dr	Anshu	Bajaj		C C S H A U,HISAR	Anshu Bajaj			
27	Dr	Anuva	Samanta		Victoria Institution (College)	Anuva Samanta			
28	Mr	Raju	Majumdar		Vidyasagar University	Raju Majumdar			
29	Dr	Bhaskar	Chandra	Sarkar	Ramananda College, Bishnupur	Bhaskar Chandra Sarkar		online	

30.	Dr	Prasanta	Das		Ramananda College, Bishnupur	Prasanta Das		Online
31.	Mr	Ajjur	Raham	Mallick	Maheshtala College	Ajjur Raham Mallick		Online
32.	Ms	Shilpa		Mishra	Govt. D. B. girls' P. G. College, Raipur (C.G.)	Shilpa Mishra		Online
33	Ms	AMMU		S P	Sree Narayana college, Chertala	Ammu S P		Online
34.	Ms	S	Indhum		Nehru Arts and Science College, Coimbatore	S Indhum		Online
35	Dr	Vibha		Choubey	Govt. J. Y. C. G. College, Raipur, Chhattisgarh	Vibha Choubey		Online
36	Ms	Rachana		Manna	University of Calcutta	Rachana Manna		Online
37.	Mr	ABHIJIT		PAKHIRA	VIVEKANANDA MAHAVIDYALAYA, HARIPAL	Abhijit Pakhira		Online
38.	Dr	Sraboni		Chatterjee	Bijoy Krishna Girls' College, Howrah	Sraboni Chatterjee		Online
39.	Dr	Santanu		Chakraborty	Bhairab Ganguly College	Santanu Chakraborty		Online
40.	Dr	Tanbir		Nasim	Bijoy Krishna Girls' College,	Tanbir Nasim		Online
41.	Mr	ABHIJIT		BAR	JOGESH CHANDRA CHAUDHURI COLLEGE	Abhijit Bar		Online
42.	Mr	Biswajit		Saha	Bijoy Krishna Girls' College Howrah	Biswajit Saha		Online
43	Dr	Debjani		Mitra	Bijoy Krishna Girls' College, Howrah	Debjani Mitra		Online
44.	Ms	LAZUMLA	TSHER	SHERPA	BIJOY KRISHNA GIRLS' COLLEGE	Lazumla Tsher Sherpa		Online
45.	Dr	Sampriti		Biswas	Krishnath College, Berhampore, Murshidabad West Bengal	Sampriti Biswas		Online
46.	Dr	Samiran		Banerjee	Bijoy Krishna Girls' College, Howrah	Samiran Banerjee		Online
47	Dr	NAREN		MUDI	BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH	Naren Mudi		Online
48.	Mr	Basudeb		Roy Chaudhury	Bijoy Krishna Girls' College,Howrah	Basudeb Roy Chaudhury		Online
49.	Ms	Mritika		Sarkar	Indian Institute of Management, Amritsar.	Mritika Sarkar		Online
50.	Dr	BHASKAR		CHAUDHURI	BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH	Bhaskar Chaudhuri		Online
51.	Dr	Shampa		Mondal	Aghore Kamini Prakash Chandra Mahavidyalaya, Bengal, Hooghly	Shampa Mondal		Online
52	Dr	Pratap		Mondal	Bijoy Krishna Girls' College, Howrah	Pratap Mondal		Online
53	Mr	Ranen		Bhattacharya	Bijoy Krishna Girls' College, Howrah	Ranen Bhattacharya		Online
54	Mr	Joy		Adhikary	Bijoy Krishna Girls' College, Howrah	Joy Adhikary		Online
55	Mr	Ananta		Halder	Bijoy Krishna Girls' College, Howrah	Ananta Halder		Online
56	Dr	SUBHRADIP		DAS	BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH	Subhradip Das		Online
57	Dr	SOUVIK		DAS	BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH	Souvik Das		Online
58.	Dr.	Bidyadhan		Mondal	"	Bidyadhan Mondal		Online
59.	Dr.	Nandita		Palit	"	Nandita Palit		Online
60.	Mn.	Jhanta		Pal	"	Jhanta Pal		Online
61.	Mn.	Subrata Kumar		Banik	"	Subrata Kumar Banik		Online
62.	Dr.	Asmita		Mukherjee	"	Asmita Mukherjee		Online
63.	Dr.	Shyamal		Kumar Pal	"	Shyamal Kumar Pal		Online

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Meeting No. **MINUTE BOOK** Meeting Time

Meeting Date **FBSA-2025** Meeting Place

Speakers :- Dr. Habeshu
 DR. DWAIKAVAN SHAKKARARTI
 Associate Professor, School of Chemistry,
 University of Birmingham.

2. Rajumondar
 DR. SOUMITRO BANERJEE
 Professor,

3. S.S.
 DR. JAYDEB SARKAR
 Professor, ISI, Bangalore

4. Tanvir Paul

Meeting No. **MINUTE BOOK** Meeting Time

Meeting Date Meeting Place

Faculty:

Sr	NAME	Dept.	Institution	Signature
1.	DR. MADHANI MITA (SARKAR)	ZOOLOGY	KHALISANI MAHAVIDYALAYA	Dr. Madhani Mita (Sarkar)
2.	RAJU MAJUMDAR	ZOOLOGY	MUMBERGA GANAGADHAR MAHAVIDYALAYA	Raju Majumdar
3.	DR. SUBHAJIT MATHY	ZOOLOGY	NETAJI MAHAVIDYALAYA	S. Mathy 3/1/25
4.	ABHIT BAR	PHYSICS	JOGESH CHANDRA CHAUDHURI COLLEGE	ABY 03.01.2025
5.	SUBHRADIP DAS	ELECTRONICS	BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH	SD 03.01.2025
6.	JHANTU PAUL	STATISTICS	B.K.G.C	HP 03.01.2025
7.	PARITHA GHOSH	CHEMISTRY	B.K.G.C	PSL 03.01.2025
8.	JOY ADHIKARY	COMPUTER SCIENCE	B.K.G.C	Jy Adhikary 03.01.2025
9.	TANBIR NASIM	CHEMISTRY	H	T 03/01/25
10.	CHINMOY BASU	Zoology	B.K.G.C.	basu
11.	LAZUMA THERING SHERA	CHEMISTRY	B.K.G.C	R.O. Shera
12.	DEBJANI MITRA	ECONOMICS	B.K.G.C.	DEJANI
13.	RUPAK BHATTACHARYA	MATHS	B.K.G.C	RP
14.	SHYAMAL KUMAR PAL	PHYS.	B.K.G.C.	SKP
15.	SAHIRAN BANERJEE	MATHS.	B.K.G.C	Srip
16.	SARAJIT ANKUSA	ECONOMICS	B.K.G.C	SA
17.	PAPYA GHOSH	Zoology	BKGC	Gpsh
18.	BISWASIT SAHA	Microbiology	BKGC	Bis
19.	SAYAK BHATTACHARYA	Microbiology	BKGC	SR
20.	DANISH MITRA	MATHS.	B.K.G.C.	A
21.	Mayurakshi Jana	Computer Science	B.K.G.C.	MJana 03.01.25
22.	Abhi Bhat	ELECTRONICS	B.K.G.C	Abhi 03.01.2025
23.	Bidyut Mondal	Chemistry	BKGC	B Mondal 03/1/25
24.	Arushi Mukherjee	ZOO	BKGC	AM 3/1/25
25.	Susantadasakundu	ZOO	BKGC	A 3/1/25
26.	NAREN MUDDI	CHEMISTRY	B.K.G.C	N Muddi 03/01/25
27.	Mousumi Mukherjee	Microbiology	BKGC	H Mukherjee 03/01/25
28.	ANANTA HALDER	Bed.	BKGC	AN 03.01.25
29.	Soumitra Banerjee	Psychology	BKGC	Soumitra 03.01.25
30.	Subrata Kr. Banik	Botany	B.K.G.C	Subrata 03.01.25
31.	Nandita Paul	Physics	B.K.G.C	N Paul 03.01.25

Meeting No. **MINUTE BOOK** Meeting Time

Meeting Date Meeting Place

Sl	NAME	Dept.	Institution	Signature
1.	JOY ADHIKARY	Computer Science	B.K.G.C	Jy Adhikary 04.01.25
2.	SUBHRADIP DAS	ELECTRONICS	BKGC	SD 04/01/25
3.	PRATAP MONDAL	Math	BKGC	PM 04/01/25
4.	SUVAN TASHO LECHA	ECONOMICS	BKGC	S. Lecha 4/1/25
5.	LAZUMA.T.SHERA	CHEMISTRY	B.K.G.C	R.O. Shera 04/01/25
6.	NAREN MUDDI	CHEMISTRY	B.K.G.C	N Muddi 04/01/25
7.	Soumitra Anand	Economics	H	SA 4/1/25
8.	Madhab Ch. Das	Philosophy	H	MD 4/01/25
9.	Soumitra Saha	Philosophy	B.K.G.C	Saha 4/1/25
10.	Tanvir Paul	Statistics	B.K.G.C	TP 4/1/25
11.	Mousumi Mukherjee	Microbiology	BKGC	M Mukherjee 4/1/25
12.	Arushi Mukherjee	ZOO	BKGC	AM 4/1/25
13.	Mayurakshi Jana	Computer Science	BKGC	MJana 4.01.25
14.	Arushi Halder	Bed	B.K.G.C	AR 4/1/25
15.	Soumitra Jana	Psychology	BKGC	Soumitra 4.1.25
16.	TANBIR NASIM	Chemistry	H	T 04/01/25
17.	SOUVIK DAS	HISTORY	B.K.G.C	SD 4/1/25
18.	Abhi Bhat	Electronics	B.K.G.C	Abhi 4.1.25
19.	Subrata Kr. Banik	Botany	B.K.G.C	Subrata 04.01.25
20.	Shyamal Kr. Pal	Physics	B.K.G.C	SKP 4/1/25
21.	Bidyut Mondal	Chemistry	BKGC	B Mondal 4/1/25
22.	Papya Ghosh	Zoology	BKGC	Gpsh
23.	comey de	Physics	B.K.G.C	comey
24.	KANER BHATTACHARYA	MATHS	H	KANER
25.	Shubra Ghosh	Philo	H	S.G.
26.	Kanish Mitra	History	BKGC	KM
27.	Nandita Paul	Physi's	B.K.G.C	N Paul 4/1/25
28.	SAMI BANERJEE	MATHS	B.K.G.C	S BANERJEE 4/1/25
29.	SOUVIK SAU	Physics	Jalpaiguri University	Sau
30.	Arushi Banerjee	H	H	Arushi
31.	Shubra Ghosh	H	H	Shubra Ghosh
32.	Arushi Mukherjee	H	H	Arushi
33.	Nandita Paul	Physics	Bangabanga College	N Paul

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Date

MINUTE BOOK			
Meeting No.	Meeting Date	Meeting Place	Meeting Time
Sl.No.	Name in Capital	Dept	Semester
1.	SITISHNA MITRA	Botany	III
2.	POULAMI BASU	Botany	III
3.	DISHA BHATTACHARYA	Botany	III
4.	SHREYA MANNA	Botany	III
5.	RIJKA DAS	Zoology	III
6.	PRIYA CHAKRABORTY	Math	III
7.	ALISHA	Math	I
8.	PANJOLIKA DAS	Mathematics	I
9.	SUMINA YESHMIN	Mathematics	I
10.	MONAMI PANJA	Mathematics	I
11.	KOYEL KARMAKAR	Chemistry	III
12.	Anuska Khan (ANUSKA KHAN)	Botany	III
13.	DIDHI PAJRA (DIDHI PAJRA)	Chemistry	III
14.	DEBASITA DEY	Chemistry	III
15.	KANINIKA GHOSH	Chemistry	III
16.	Ravika Bandyopadhyay	Physics	III
17.	Shaggyashree Paul	Chemistry	III
18.	Shubra Das	Chemistry	I
19.	Nafisa Khatoun	Zoology	I
20.	MONIKA KHATUN	Zoology	I
21.	IBANISHA DAS	Zoology	I
22.	Parvati Dasgupta	Zoology	I
23.	Puja Karanika	Zoology	I
24.	Pooja Mukherjee	Zoology	I
25.	Manglika Malik	Zoology	I
26.	Ujjwala	Zoology	I
27.	Kusachika Mukherjee	Zoology	I
28.	Koyel Banerjee	Zoology	I
29.	Nisha Chandra (NISHA CHANDRA)	Zoology	I
30.	Nisha Roy (NISHA ROY)	Zoology	I
31.	Soumya Biswas (SOUMYE BISWAS)	Zoology	I

MINUTE BOOK	
Meeting No.	Meeting Time
Mobile No.	Signature
9007023803	Sitisha Mitra
8100693901	Poulami Basu
8582881284	Disha Bhattacharya
97555-07101	Shreya Manna
8777821983	Rijka Das
8583212530	Priya Chakraborty
9674663707	Alisha
921085655	Panjolika Das
9712229309	Sumina Yesmin
8267497845	Monami Panja
7595584734	Koyel Karanika
9748061284	Anuska Khan
9163955232	Didhi Pajra
9009546567	Debasita Dey
6289164273	Kaninika Ghosh
8276718222	Ravika Bandyopadhyay
8281019766	Shaggyashree Paul
8600919840	Shubra Das
7003903429	Nafisa Khatoun
903454161	Monika Khatoun
8240928268	Ibanisha Das
8111132428	Parvati Dasgupta
9780508239	Puja Karanika
963207634	Pooja Mukherjee
9123697806	Manglika Malik
8777359659	Ujjwala
7679317438	Kusachika Mukherjee
9874222914	Koyel Banerjee
817420432	Nisha Chandra
0738676855	Nisha Roy
6291204081	Soumya Biswas

MINUTE BOOK				
Meeting No.	Meeting Date	Meeting Place	Meeting Time	
Name in Capital	Dept	Sem	Mobile	
32.	ANANTIKA GHOSH	Bsc General	1st Sem	7001340168
33.	SIKRITI DASE	Bsc General	1st Sem	7614005937
34.	Mahzabeen Fatma	Bsc General	1st Sem	798202318
35.	Sudeshna Dasg	Bsc General	1st Sem	8585833993
36.	TAVEL GHOSH	Bsc General	1st Sem	8420225192
37.	Shagya Dasg (SHAGYA DASG)	Chemistry	1st Sem	8611263557
38.	Subhita Sulta	Chemistry	3rd	821434206
39.	Narvada Rajchoudhury	Zoology	3rd	907206293
40.	Ritu Roy	Zoology	3rd	629124237
41.	Sanjana Saha	Zoology	3rd	629120933
42.	Suchana Prabhak	Zoology	3rd	7932783094
43.	Rishika Das	Zoology	3rd	7012871237
44.	KRITEE MASUMBER	Zoology	1st	8777537921
45.	PANVE MASUMBER	Zoology	1st	6290851102
46.	Sanjana Ghosh	Zoology	1st	7002351809
47.	Ujjwala Banerjee (UJJWALA BANERJEE)	BSC (General)	1st	8617202750
48.	PRIYA SADIKHAN	Zoology	1st	629047864
49.	Anushka Banerjee	Zoology	1st	7439871603
50.	GINNENDI KUMARI	Bsc (General)	1st	7603072578
51.	Asmita Talia	Microbiology	3rd	6287301745
52.	Rishika Baner	Microbiology	3rd	7780670430
53.	Ujjwala Das	Microbiology	3rd	7932783094
54.	Ritu Saha	Microbiology	3rd	629120933
55.	Sanjya Hassan	Microbiology	3rd	93311005
56.	UTTARA BASU	Microbiology	3rd	629094656
57.	Soumya Dasg	Math	3rd	801777589
58.	Megha Hazra	Zoology	3rd	9230046710
59.	Anupriya Shukla	Zoology	3rd	7780137967
60.	Anushka Basu	Zoology	3rd	9230046710
61.	Asmita Ghosh	Zoology	3rd	8290710393

MINUTE BOOK	
Meeting No.	Meeting Time
Email	Signature
	Anantika Ghosh
	Sikriti Dase
	Mahzabeen Fatma
	Sudeshna Dasg
	Tavel Ghosh
	Shagya Dasg
	Subhita Sulta
	Narvada Rajchoudhury
	Ritu Roy
	Sanjana Saha
	Suchana Prabhak
	Rishika Das
	Kriti Masumber
	Panve Masumber
	Sanjana Ghosh
	Ujjwala Banerjee
	Priya Sadikhan
	Anushka Banerjee
	Ginnendi Kumari
	Asmita Talia
	Rishika Baner
	Ujjwala Das
	Ritu Saha
	Sanjya Hassan
	Uttara Basu
	Soumya Dasg
	Megha Hazra
	Anupriya Shukla
	Anushka Basu
	Asmita Ghosh

MINUTE BOOK				
Meeting No.	Meeting Date	Meeting Place	Meeting Time	
Name in Capital	Dept	Sem	Mobile	
62.	Kusachika Singh	Zoology	1st	9832257617
63.	SHIBANISHA GHOSH	Zoology	1st	9230046710
64.	Ruchita Khatoun	Zoology	3rd	7002332102
65.	Anushka Anandari	Botany	3rd	9230046710
66.	KANISARI ROY	Botany	3rd	8240444346

MINUTE BOOK	
Meeting No.	Meeting Time
Email	Signature
	Kusachika Singh
	Shibanisha Ghosh
	Ruchita Khatoun
	Anushka Anandari
	Kanisari Roy

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11. Report on the programme:

Report on Technical Session – Biological Sciences

The technical session was held in Room Number G 1, on 3.01.25 and 04.01.25. This session was chaired by Dr Papiya Ghosh, Associate Professor, Department of Zoology, Bijoy Krishna Girls' College, Howrah.

Following papers were presented by the researchers in both virtual and offline mode

Ankush Mitra worked on

Species diversity of Diptera in coastal stretch of Mandarmani and adjacent area of West Bengal, India, recorded total of 136 specimens of 24 species of adult dipteran fauna belonging to eleven families and presented his work in offline mode.

Sunit Kumar Chakraborty has presented a research paper on

purification and characterization of phosphate dependent glutaminase from isolated mitochondria of sarcoma-180 tumour cells in offline mode.

Subhajit Maity gave detailed idea on polyphenols as herbal anti-

diabetic agents in free and encapsulated state in polymeric vehicles in offline mode.

Manasi Upadhyay worked on

bioethanol production from starchy food waste and production enhancement using amylase producing bacteria isolated from soil and presented her work in offline mode.

Madhabi Aich presented poster on

microvillous supporting cells in olfactory neuroepithelium of fish (*Anabastudineus*) as a biological tool to detect physical stress of aquatic system.

Saroj Kumar Ghosh briefed on structural organization of the olfactory organ of a river catfish, *Clupisomagarua* (Hamilton, 1822) in offline mode.

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Arindam Mandal gave idea in offline mode on the archetypic seed ontogeny and maturation in lentil (*Lens Culinaris*) and its implications for crop improvement.

Rachana Mannagave an overview on application of nitrogen fixing bacteria on the growth of green gram plant in offline mode.

Abhijit Pakhira ^{detailed} on pathogenomic insights into *Bacillus cereus* virulence on mortality study in farmed laborer hita (hamilton, 1822), in India

Biswajit Saha worked on

isolation and characterization of plant growth promoting *Aspergillus* sp. with petroleum degrading property from rhizospheric soil of Sundarban mangrove region in

West Bengal and their effect on growth of *Abelmoschus esculentus*.

Anshu Bajaj presented her work in online mode on

Genetic Variability Studies of Cluster Bean Varieties by RAPD Analysis and Optimization and Inference of PCR Conditions

Ammu SP, presented in online mode and gave an idea on

LCMS Screening and Molecular Docking of *Acorus Calamus* L. RHIZOME.

The technical session ended with a vote of thanks delivered by Biswajit Saha, Department of Microbiology.

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REPORT ON SESSION 2- CHEMICAL SCIENCES OF INTERNATIONAL CONFERENCE ON FACETS OF BASIC SCIENCES AND APPLICATIONS (FBSA) 2025

The two days International Conference on Facets of Basic Sciences and Applications (FBSA), offered several technical sessions dedicated to various facets of basic sciences. Session 2 for Chemical Sciences was held on Day 1 of the conference, January 3rd, 2025. The chair of the session was Dr. Bidyadhar Mandal, Associate Professor of Chemistry, Bijoy Krishna Girls' College, Howrah. Five presentations were given, two of which were presented online. The two online presenters were Barun Kumar Mondal and Anuva Samanta. The topics of each participant's presentation were as follows.

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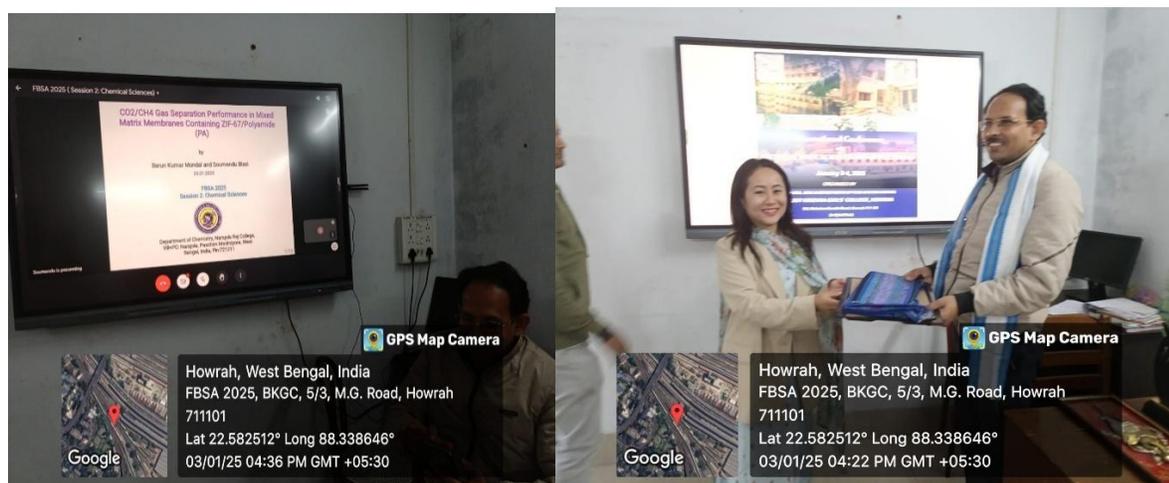
5/3, MAHATMA GANDHI ROAD, HOWRAH – 711 101.

Ref. No

Date

Date and Time	Session	Title of the Paper	Presenters	Session Chair
03/01/25	Session 2: Chemical Sciences (Venue: Room U-2) (Parallel Session) (Time: 03:30 PM – 05:00 PM)	CO ₂ /N ₂ Gas Separation Performance in Mixed Matrix Membranes Containing ZIF-78/Polyamide (PA)	Barun Kumar Mondal	Dr. Bidyadhar Mandal Felicitation: Lazumla Tshering Sherpa Rapporteur: Lazumla Tshering Sherpa Introducer & Vote of Thanks: Dr. Tanbir Nasim
		5-(4-fluorophenyl)-2-hydroxypyridine: An outstanding transition metal ions fluorosensor	Anuva Samanta	
		A Brief Review of Quantum Chemical Treatment of Non-Covalent Molecular Clusters	Lazumla Tshering Sherpa	
		A concise review on colorimetric and fluorescent chemosensors for the $P_4O_3^{2-}$	Naren Mudi	
		Flocculation efficiency of four bio-flocculants against widely used inorganic flocculants for treatment of kaolinized waste water	Tanbir Nasim	

Dr. Tanbir Nasim, Coordinator of FBSA delivered the vote of thanks for the engaging session. Some pictures of the sessions are given below.



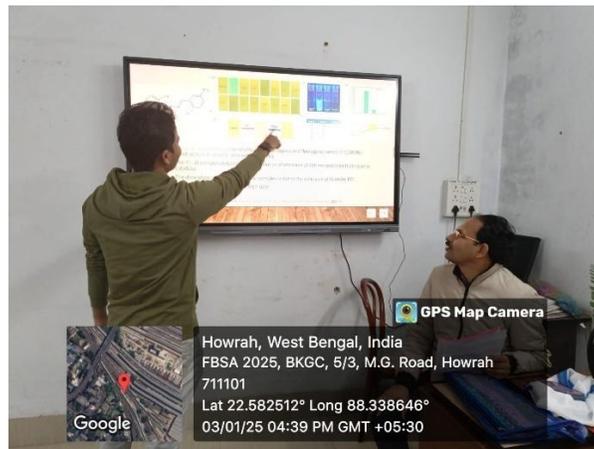
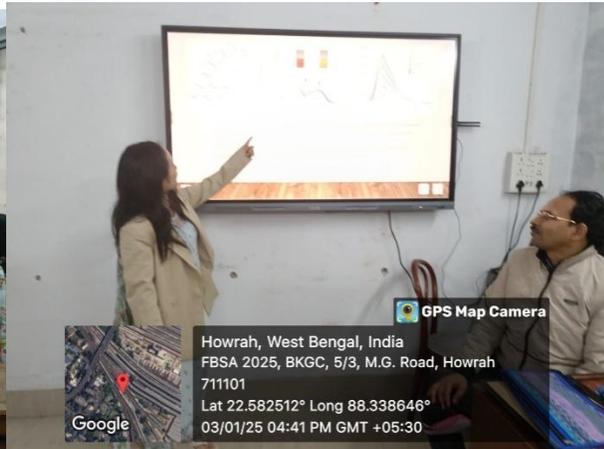
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Ref. No

Date



Report on Physical Sciences

Date: 03.01.2025

Place: Bijoy Krishna Girls' College

The International Conference on "Facets of Basic Sciences and Applications" (FBSA 2025) was held at Bijoy Krishna Girls' College, Howrah, on January 3, 2025. The event featured multiple technical sessions, including Session 1: Physical Sciences (Venue: College Auditorium) (Parallel Session) Chaired by Dr. Bappaditya Dey, , Advanced Patterning Senior R&D Engineer, IMEC, Leuven, Belgium.

Prof. Pratap Mondal of Department of Mathematics of Bijoy Krishna Girls' College, Howrah felicitated Dr. Bappaditya Dey on the occasion.

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Date



The session had two oral and three poster presentations.

The "Physical Sciences" seminar session provided a diverse overview of current research in physics, chemistry, and related fields. Key topics discussed included advancements in materials science, renewable energy technologies, quantum computing, and the exploration of the universe. The session fostered interdisciplinary dialogue and highlighted the crucial role of physical sciences in addressing global challenges.

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Date

Session 1, 2 & 3		3:30 p.m. - 5:00 p.m.		
Date and Time	Session	Title of the Paper	Presenters	Session Chair
03/01/25	Session 1: Physical Sciences (Venue: College Auditorium) (Time: 03:30 PM - 05:00 PM)	Design and Applications of Chitosan- Based Flexible and Easily Retrievable Piezo-responsive Nanocomposite Membrane for Sustainable Wastewater Treatment	Indrajit Mondal, Piyali Halder	Dr. Bappaditya Dey Felicitator: Dr. Subhradip Das Rapporteur: Dr. Subhradip Das Introducer & Vote of Thanks: Aditi Dutta
		Photo-Responsive Doped Nanostructure Materials for Sustainable Wastewater Treatment and Enhanced Antibacterial Applications	Trishita Hassan, Sucheta Mitra, Shireen Sultana	
		Sintering Temperature and Doping-Induced Modifications in Optical and Dielectric Properties of Nanostructured Materials	Somen Biswas	
		Cholesterol modulates the interaction of sodium salt with negatively charged phospholipid membrane	Ranajoy Das	
		Towards Multifunctional Nanomaterials for Health and Eco-Friendly Applications	Amartya Sau, Neelanjana Bag, Anwesha Mukherjee	
		Structural and Optical Characterization of Palladium Doped ZnO Thin Films Prepared by Silar	Shampa Mondal	
		Distribution of Sensor Nodes within Cluster in Wireless Sensor Network	Raju Dutta	

Report on Physical Sciences

Date: 04.01.2025

Place: Bijoy Krishna Girls' College

The International Conference on "Facets of Basic Sciences and Applications" (FBSA 2025) was held at Bijoy Krishna Girls' College, Howrah, on January 4, 2025. The event featured multiple technical sessions, including Session 5: Physical Sciences (Venue: Room S-5) (Parallel Session) Chaired by Dr. Nandita Palit, Department of Physics, Bijoy Krishna Girls' College, Howrah.

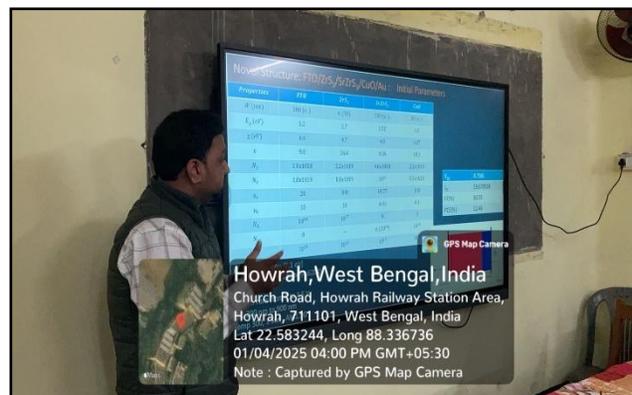
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Prof. Sunanda Maity of Department of Physics of Bijoy Krishna Girls' College, Howrah felicitated Dr. Palit on the occasion.

The session had two oral and three poster presentations.

The seminar session on Physical Sciences provided a comprehensive overview of advancements in and recent developments in various Theoretical and applied branches of Physics. Eminent researchers presented their findings, fostering insightful discussions and a deeper understanding of the fundamental principles governing our universe. The session highlighted the crucial role of interdisciplinary research and its potential to address global challenges.

Date	Session	Title of the Paper	Presenters	Session Chair
04/01/25	Session 5: Physical Sciences (Venue: Room S-5) (Parallel Session) (Time: 1:45 PM - 3:15 PM)	Crystallinity-Dependent Modulation of Physicochemical Properties in Chemically Synthesized ZnMn ₂ O ₄ Spinel Nanoparticles	Shriparna Roy, Souvik Sau	Dr. Pratap Mandal Felicitation: Dr. Subhradip Das Rapporteur: Dr. Subhradip Das Introducer & Vote of Thanks: Aditi Dutta
		Influence of water/Ethanol mixture on Layer-by-Layer electrostatic self- assembled multilayer ultrathin film of cationic dye Safranin O and a negatively charged polymer Poly- Acrylic Acid: A spectroscopic and atomic force microscopic study	Alapan Pal	
		Cholesterol modulates the membrane- membrane interaction induced by an antimicrobial peptide, NK-2 in phospholipid vesicles	Surajit Das	
		Eco-Friendly SrZrS ₃ -Based Perovskite Solar Cells: A High- Efficiency Design and Simulation Study	Abhijit Bar	
		A study on Knotoids of alternating knots LPG Sensing Properties of Al-Doped ZnO Thin Film Prepared by SILAR	Samiran Banerjee Basudeb Roy Chaudhury	

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Ref. No

Date

Report on Computational and Mathematical Sciences

Date: 04.01.2025

Place: Bijoy Krishna Girls' College

The International Conference on "Facets of Basic Sciences and Applications" (FBSA 2025) was held at Bijoy Krishna Girls' College, Howrah, on January 4, 2025. The event featured multiple technical sessions, including Session 4, which focused on "Computational Mathematics." This session is chaired by Dr. Pratap Mondal, Assistant Professor, Department of Mathematics, Bijoy Krishna Girls' College. The session chair is felicitated by Ms. Mayurakshi Jana.

Session 4 provided a platform for researchers and scholars to present their findings on the application of computational techniques in mathematical sciences. Topics discussed included numerical methods, algorithm development, and simulations pertinent to biological data analysis. The session aimed to bridge the gap between theoretical mathematics and practical applications in biological sciences, fostering interdisciplinary collaboration.

The conference also included a poster presentation segment, allowing participants to showcase their research visually and engage in in-depth discussions with peers.

Radha Binod Das has presented a paper on "α admissible cyclic contraction results on probabilistic metric spaces".

Bhaskar Chandra Sarkar has given his presentation on Effects of Radiation on Unsteady MHD Free Convective Flow past a Moving Vertical Plate with Ramped Wall Temperature.

Prasanta Das has delivered his presentation on A mathematical model for parameterizing the fluxes associated with airflow across Khasi-Jayantia hills.

Ajjur Rahaman Mallick has worked on Dynamical Analysis of a PredatorPrey System under Harvesting, Competition and Gestational Delay.

S Indhumathi has briefed her idea on A New forms of Neutrosophic Soft Topological Space via Soft Ideal.

Pratap Mondal has worked on Journey of Logic & Mathematics in the Indian Subcontinent.

Ranen Bhattacharya has discussed on An Overview of Harmonious Graphs in Graph Theory.

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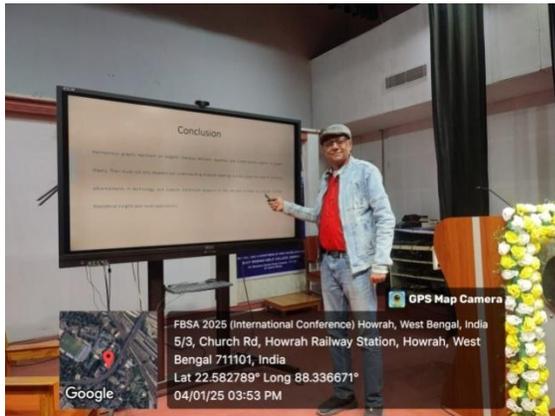
Raju Dutta has delivered his presentation on Chaotic Characteristics and Behavior of Communication with Switching in WSN.

Joy Adhikary has done an excellent work on Finding Biclusters in Dengue Disease Dataset Using Particle Swarm Optimization (PSO) Algorithm.

Glimpses of Trade Opnness and Economic Growth of Srilanka: An Empirical Study is presented by Debjani Mitra.

Optimal Inventory Control for Deteriorating Items with Discounted Cash Flow Approach is presented by Jhantu Paul.

The session is ended with vote of thanks which is delivered by Dr. Samiran Banerjee.



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Report on Technical Session – 6: Allied Subjects

Spanning for more than 90 minutes, this technical session in Room Number U – 2, has accommodated 2 virtual and 5 physical presentation of research papers from various disciplines like Economics, Geography and Psychology. This session is chaired by Dr Debjani Mitra, Assistant Professor, Department of Economics, Bijoy Krishna Girls' College, Howrah.

Dr Sampriti Biswas's work on the contributions of service sector in economic growth is presented in online mode.

Dr Santanu Chakraborty has presented a research paper on unemployment in India using ARDL, empirically identifies determining factors of unemployment 2000-2015.

Dr Bhaskar Chaudhuri's work on institutional birth and healthcare infrastructure index, based on regression & residual analysis of NSSO 75th Round (2017-18) indicate North - South disparity, and NE India as a mixed one.

Dr Karabi Mitra has worked on Snakes and snake bites. She has elaborated on the ritual on worshipping a snake Jhankeshwari in villages of Burdwan district. A few cases are shown how snakes are tortured. While delving into Indian Knowledge System, she has explained how Ayurveda in the domain of ethno-botany is helping to treat snake bites as well as other ailments.

Dr Sraboni Chatterjee's work on the comparative study of MNC and GoI employees on achievement motivation issues. It finds how MNC employees act in a highly competitive work environment as compared to GoI employees which have implications on family life.

MrAnanta Halder has worked on the use of open resources for education through a sample study of B.Ed. students, and found that even if such resources are used, customization of such resources as per the users' needs is a key challenge.

Dr Souvik Das has presented his research on the role of medicinal plants in ancient Indian Ayurvedic medical system as well as their efficacy in disease prevention.

The technical session has ended with a vote of thanks delivered by Dr Debleena Kumar, Assistant Professor, Department of Psychology.

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Date

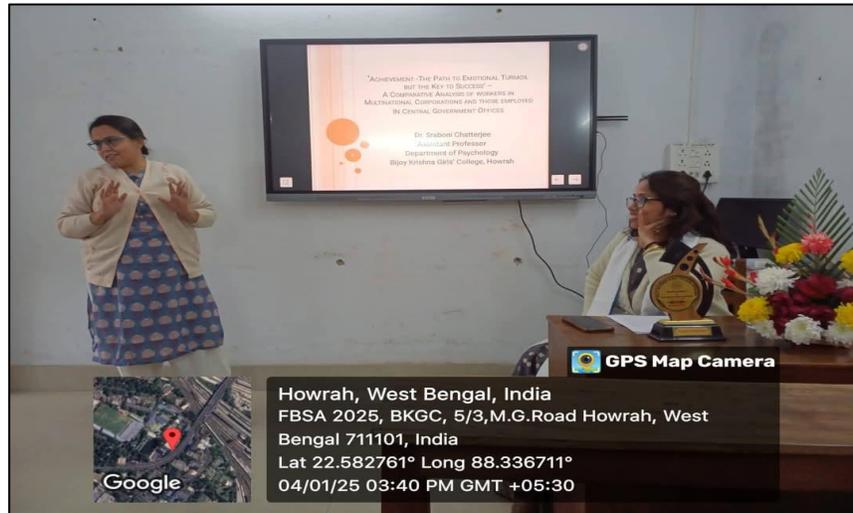


Photo: Paper presentation by Dr Sraboni Chatterjee, Department of Psychology, in the presence of the Session Chairperson – Dr Debjani Mitra

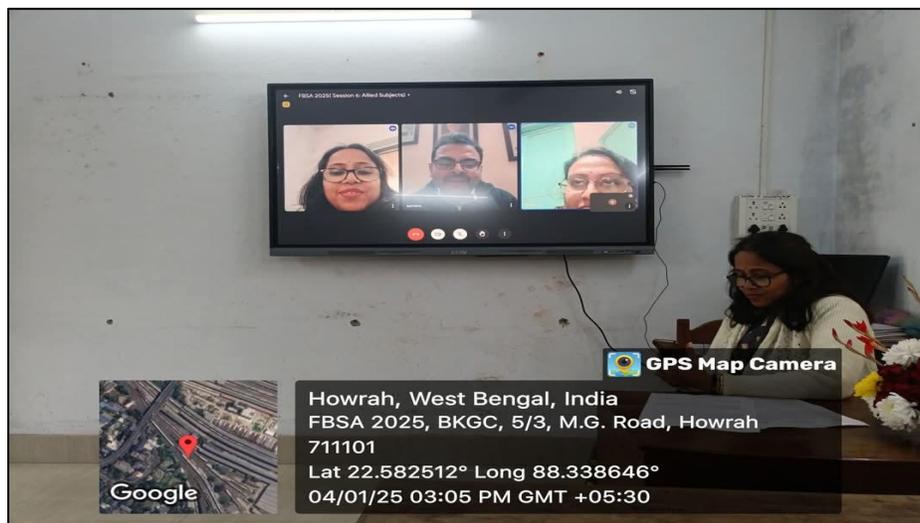


Photo: Participants who have presented research papers in virtual mode

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Photo: An academic interaction between the paper presenter Dr Bhaskar Chaudhuri, Department of Geography and the Session Chairperson



Photo: Chairperson, Treasurers, Rapporteur and Participants of the Technical Session

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12. Programme Outcome:

The *International Conference on Facets of Basic Sciences and Applications (FBSA 2K25)*, held on 3-4 January 2025, was an enriching and insightful event that brought together experts, researchers, and academicians from various fields of science. The conference aimed at fostering discussions on the latest developments in basic sciences and their transformative applications in the real world.

The event was inaugurated by the Chief Guest, *Dr. Anupam Basu*, Ramanna Chair professor of Jadavpur University, who emphasized the importance of interdisciplinary research in advancing scientific innovations. He highlighted the role of basic sciences in solving global challenges and encouraged further collaboration between academia and industry.

The keynote address was delivered by *Prof. Dr Sudeshna Basu*, Assistant Teaching Professor, Department of Mathematics and Statistics, Loyola University Baltimore Maryland, USA, a distinguished mathematician who spoke on "Mathematics and Politics". Another Keynote address was delivered by *Dr Jaydeb Sarkar*, Professor, Indian Statistical Institute, Statistics and Mathematics Unit, Bangalore, Karnataka and his topic was How Google google?

Plenary Speaker was *Dr Soumitro Banerjee*, Professor, Department of Physical Sciences, Indian Institute of Science & Research, Kolkata, Mohanpur Campus, India and spoke on The Method of Science.

The conference featured several invited speakers, including:

- *Dr Dwaipayan Chakrabarti*, Associate Professor in Soft Matter, School of Chemistry, University of Birmingham, Edgbaston, B15 2TT
Title: Untangling the puzzle
- *Dr Bappaditya Dey*, Advanced Patterning Senior R&D Engineer, IMEC, Leuven, Belgium
Title: AI as a Disruptive Technology in Semiconductor Manufacturing

The technical sessions covered a range of topics:

1. *Physical Sciences, Session -1*
2. *Chemical Sciences, Session -2*
3. *Biological Sciences, Session -3*

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4. *Computational Mathematics, Session -4*
5. *Physical Sciences, Session -5*
6. *Allied Subjects, Session -5*

These sessions sparked vibrant discussions, and the conference provided an excellent platform for sharing knowledge and fostering future collaborations in basic sciences and their diverse applications.

13. Poster/Brochure/Banner:



International Conference
on
FACETS OF BASIC SCIENCES AND APPLICATIONS
January 3-4, 2025
ORGANIZED BY
R&D CELL, IQAC & DEPARTMENTS OF PURE AND BIO SCIENCES
BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH
5/3, Mahatma Gandhi Road, Howrah-711 101
(In Hybrid Mode)

Accepted papers will be published in an International Journal with ISSN

CALL FOR PAPER Submit original research articles on: <ul style="list-style-type: none">• Biological Sciences• Chemical Sciences• Computational Sciences• Mathematical Sciences• Physical Sciences Submission Deadline: 15 November, 2024	Registration Fees Author Registration Rs. 2500 for Foreigners Rs. 1200 for Indian Academicians Participation Registration Rs. 2300 for Foreigners Rs. 1000 for Indians
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SOME DISTINGUISHED SPEAKERS:

 Dr Sudeshna Basu Department of Mathematics and Statistics Loyola University, Maryland USA	 Dr Soumitra Banerjee Department of Physical Sciences IISER, Kolkata	 Dr Dwaipayan Chakrabarti School of Chemistry University of Birmingham	 Dr Jaydeb Sarkar Statistics and Mathematics Unit ISI, Bangalore
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TO REGISTER CLICK HERE Contact us Email Id: fbsa2025@gmail.com Mobite No: (+91) 8910486818	PAYMENT DETAILS Canara Bank, Howrah MG Road Branch Account Number: 8660201000001 IFSC: CNRB0008660
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Date

Program Schedule



INTERNATIONAL CONFERENCE ON FACETS OF BASIC SCIENCES AND APPLICATIONS (FBASA) JANUARY 3-4, 2025

PROGRAM SCHEDULE (Day 1: 03/01/2025)

Reporting and Kit Collection	9.30 a.m. - 10:00 a.m.
Inaugural Session (Auditorium)	10:00 a.m. - 10:30 a.m.
Keynote Address 1	10:30 a.m. - 12:00 noon
High-Tea	12:00 noon - 12:15 p.m.
Invited Talk 1	12:15 p.m. - 1:30 p.m.
Lunch Break	1:30 p.m. - 2:00 p.m.
Invited Talk 2	2:00 p.m. - 3:15 p.m.
Tea Break	3:15 p.m. - 3:30 p.m.
Session 1, 2 & 3	3:30 p.m. - 5:00 p.m.



INTERNATIONAL CONFERENCE ON FACETS OF BASIC SCIENCES AND APPLICATIONS (FBASA) JANUARY 3-4, 2025

PROGRAM SCHEDULE (Day 2: 04/01/2025)

Plenary Address	10:00 a.m. - 11:30 a.m.
High-Tea	11:30 a.m. - 11:45 a.m.
Keynote address 2	11:45 a.m. - 1:15 pm
Lunch Break	1:15 p.m. - 1:45 p.m.
Session 4, 5 & 6	1:45 p.m. - 3:15 p.m.
Tea Break	3:15 p.m. - 3:30 p.m.
Closing Session	3:30 p.m. - 5:00 p.m.

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INTERNATIONAL CONFERENCE ON FACETS OF BASIC SCIENCES AND APPLICATIONS (IFBSA) JANUARY 3-4, 2025
Detailed Program Schedule

Reporting and Kit Collection, Time: 9:30 AM – 10:00 AM			
Inaugural Session (Auditorium): 10:00 AM – 10:30 AM			
Chief Guest: <i>Dr. Anupam Basu</i>			
Keynote Address			
Date	Time	Keynote Speaker	Session Chair
03/01/2025	10:30 AM – 12:00 NOON	<i>Dr. Sudeshma Basu</i>	<i>Dr. Dwangayun Chakrabarti</i>
Invited Talk			
03/01/2025	12:15 PM – 1:30 PM	<i>Dr. Dwangayun Chakrabarti</i>	<i>Dr. Sudeshma Basu</i>
Invited Talk			
03/01/2025	2:00 PM – 3:15 PM	<i>Dr. Bappaditya Dey</i>	<i>Dr. Rupak Bhattacharyya</i>
Plenary Address			
04/01/2025	10:00 AM – 11:30 AM	<i>Dr. Soumitro Banerjee</i>	<i>Dr. Jaydeb Sarkar</i>
Keynote Address			
04/01/2025	11:45 AM – 1:15 PM	<i>Dr. Jaydeb Sarkar</i>	<i>Dr Soumitro Banerjee</i>

Date and Time	Session	Title of the Paper	Presenters	Session Chair
03/01/25	Session 1: Physical Sciences (Venue: College Auditorium) (Time: 02:30 PM - 05:00 PM)	Design and Applications of Carbon-Based Flexible and Easily Retrievable Piezo-responsive Nanocomposite Membrane for Sustainable Wastewater Treatment	Indrajit Mondal, Priyati Halder	Dr. Bappaditya Dey
		Photo-Responsive Porous Nanostructure Materials for Sustainable Wastewater Treatment and Enhanced Antibacterial Applications	Treelata Hossain, Sucheta Mitra, Shircon Sultana	
		Sintering Temperature and Doping-Induced Modifications in Optical and Dielectric Properties of Nanostructured Materials	Somen Basu	
		Cholesterol modulates the interaction of sodium salt with negatively charged phospholipid membrane	Ranajoy Das	
		Towards Multifunctional Nanomaterials for Health and Eco-Friendly Applications: Structural and Optical Characterization of Palladium Doped ZnO Thin Films Prepared by Solar	Arnatya San, Neeharjuna Das, Anwesha Mukherjee, Shreya Mondal	
		Distribution of Sensor Nodes within Cluster in Wireless Sensor Network	Raju Dutta	

INTERNATIONAL CONFERENCE ON FACETS OF BASIC SCIENCES AND APPLICATIONS (IFBSA) JANUARY 3-4, 2025
Detailed Program Schedule

Date and Time	Session	Title of the Paper	Presenters	Session Chair
03/01/25	Session 2: Chemical Sciences (Venue: Room E-2) (Parallel Session) (Time: 02:30 PM - 05:00 PM)	CO ₂ /N ₂ Gas Separation Performance in Mixed Matrix Membranes Containing ZIF-78/Polyamide (PA)	Bhuvan Kumar Mondal	Dr. Bidyadhar Mondal
		5-(4-fluorophenyl)-2-hydroxypyridine: An outstanding inorganic-organic hybrid material	Ananya Samanta	
		A Brief Review of Quantum Chemical Treatment of Ni-covalent Molecular Clusters	Lazarela Tshering Sherpa	
		A concise review on colorimetric and fluorescent chemosensors for the PO ₄ ³⁻ Fluoridation efficiency of four bio-flocculants against widely used inorganic flocculants for treatment of industrial waste water	Naren Mudi Tanvir Noor	

Date	Session	Title of the Paper	Presenters	Session Chair
03/01/25	Session 3: Biological Sciences (Venue: Room G-1) (Parallel Session) (Time: 02:30 PM - 05:00 PM)	Species Diversity of Diptera in Coastal Stretch of Mandarmani and Adjacent Area of West Bengal, India	Ankush Mitra	Dr. Papiya Ghosh
		Parasitic Cymothoid isopods of West Bengal coast	Dipayan Ray	
		Purification and Characterization of phosphate dependent glutaminase from isolated mitochondria of <i>Sarcosine</i> -180 tumor cells	Sami Kumar Chakraborty	
		Studies on polyphenols as herbal anti-diabetic agents in free and encapsulated state in polymeric vehicles	Subhaji Maity	
		Bioethanol production from starchy food waste and production enhancement using amylose producing bacteria isolated from soil	Mamata Upadhyay	
		Microvillus Supporting Cells in Olfactory Neuroepithelium of Fish (<i>Ancistrus testudineus</i>) as a Biological Tool Detecting Physical Stress of Aquatic Systems	Madhuri Aich (Sarkar)	
		Structural organization of the olfactory organ of a river catfish, <i>C. laponensis</i> Garas (Barilhor, 1822)	Saroj Kumar Ghosh	
		Exploring the Archetype of Seed Ontogeny and Maturation in Lentil (<i>Lens culinaris</i>): Implications for Crop Improvement	Arindam Mondal	
Genetic variability studies of Cluster bean varieties by RAPD analysis and Optimization and Inference of PCR Conditions	Ansha Bajaj			

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INTERNATIONAL CONFERENCE ON FACETS OF BASIC SCIENCES AND APPLICATIONS (IFBSA) JANUARY 3-4, 2025
Detailed Program Schedule

Date	Session	Title of the Paper	Presenters	Session Chair
03/01/25	Session 3: Biological Sciences (Venue: Room G-1) (Parallel Session) (Time: 02:30 PM - 05:00 PM)	Parasitic Cystoided Deposits of West Bengal	Raju Majumdar	Dr. Papiya Ghosh
		Effect of Seasons on Feeding Patterns of Larvae of <i>Thynnus thynnus</i>	Shilpa Mishra	
		LC-MS Screening and Molecular Docking of <i>Acacia CATALANUS L.</i> Biotinase	AMMUL S P	
		Application of Nitrogen Fixing Bacteria on the Growth of Green Gram Plant	Rachana Mishra	
		Pathogenesis Insights into <i>Bacillus cereus</i> Variants of <i>B. cereus</i> in Farmed <i>Labeo rohita</i> (Hamilton, 1822), in India	Abhijeet Pukhira	
		Isolation and Characterization of Plant Growth Promoting <i>Aspergillus</i> sp. with Petroleum degrading property from Rhizospheric Soil of Sundarban Mangrove Region in West Bengal and Their Effect on Growth of <i>Abelmoschus esculentus</i>	Biswajit Saha	
Unveiling the Therapeutic Wonders of Common Indian Herbs: A Scientific Exploration of Their Antioxidant and Physicochemical Properties	Tridibjit Mondal			

Date	Session	Title of the Paper	Presenters	Session Chair
04/01/25	Session 4: Computational Mathematics (Venue: College Auditorium) (Time: 1:45 PM - 3:15 PM)	a admissible cyclic contraction results on probabilistic metric spaces	Radhika Biswal Das	Dr. Jaydeb Sarkar
		Effects of Rayleigh on Turbulent MHD-Free Convective Flow past a Moving Vertical Plate with Slanted Wall Temperature	Huskar Chandra Sarkar	
		A mathematical model for parameterizing the flows associated with surface across Khairatabad hills	Prasanta Das	
		Dynamical Analysis of a Predator-Prey System under Harvesting, Competition and Gestational Delay	Agata Rubanas Mallick	
		A New Form of Nicotinosinic Self-Terminating Sequence via Self-Heal	S Indranath	
		Journey of Logic & Mathematics in the Indian Subcontinent	Pratap Mondal	
		An Overview of Harmonious Graphs in Graph Theory	Ramesh Bhattacharyya	
		Chaotic Characteristics and Behavior of Communication with Switching in WSN	Raju Dutta	
		Finding Bifurcations in Dengue Disease Dataset Using Particle Swarm Optimization (PSO) Algorithm	Joy Adhikary	
		Glimpses of Trade Openness and Economic Growth of Sri Lanka: An Empirical Study	Debjani Mitra	
Optimal Inventory Control for Deteriorating Items with Discounted Cash Flow Approach	Rhanto Paul			

INTERNATIONAL CONFERENCE ON FACETS OF BASIC SCIENCES AND APPLICATIONS (IFBSA) JANUARY 3-4, 2025
Detailed Program Schedule

Date	Session	Title of the Paper	Presenters	Session Chair
04/01/25	Session 5: Physical Sciences (Venue: Room S-1) (Parallel Session) (Time: 1:45 PM - 3:15 PM)	Covalency-Dependent Modulation of Physicochemical Properties on Chemically Synthesized ZnO/Ag ₂ O Nanoparticles	Shruti Roy, Souvik Sam	Dr. Somnath De
		Influence of water Ethanol mixture on Layer-by-Layer electrostatic self-assembled multilayer ultrathin film of cationic dye Safranin O and a negatively charged polymer Poly-Acrylic Acid: A spectroscopic and atomic force microscopic study	Alipha Pal	
		Cholesterol modulates the membrane-membrane interaction induced by an antimicrobial peptide, NK-2 in <i>phospholipid vesicles</i>	Sangit Das	
		Efficient ZnO/CdS Based Perovskite Solar Cells: A High-Efficiency Design and Simulation Study	Abhijeet Bar	
		A study on Knotoids of alternating knots	Saritra Banerjee	
LPC Sensing Properties of Al-Doped ZnO Thin Film Prepared by SILAR	Biswajit Roy Choudhury			

Date	Session	Title of the Paper	Presenters	Session Chair
04/01/25	Session 6: Allied Subjects (Venue: Room E-2) (Parallel Session) (Time: 1:45 PM - 3:15 PM)	Achievement – The Path to Emotional Turmoil but the Key to Success – A Comparative Analysis of workers in Multinational Corporations and those employed by Central Government Offices	Arshana Chatterjee	Dr. Debjani Mitra
		Unemployment in India: A Path towards Atmospheric Equator	Santanu Chakraborty	
		Economic Development and the Service Sector of Indian Economy: An Empirical Analysis (1961 to 2011)	Sangrita Ghosh	
		India's growth through the eyes of Susho-Mishra	Meenika Sarkar	
		Institutional Ethics and Healthcare Infrastructure in India: A State-Level Analysis of NSSSC Data	Huskar Choudhury	

INTERNATIONAL CONFERENCE ON FACETS OF BASIC SCIENCES AND APPLICATIONS (IFBSA) JANUARY 3-4, 2025
Detailed Program Schedule

Closing Session (Auritorium), Time: 3:30 PM – 5:00 PM				
Valdictory Speech Vote of Thanks Details: Summary of conference proceedings and closing remarks				

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14. Sample Certificate:



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Date

15. Pictures (Geotagged)



BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH

A NCTE and NAAC accredited (B⁺⁺) College

5/3, MAHATMA GANDHI ROAD, HOWRAH – 711 101.

Ref. No

Date



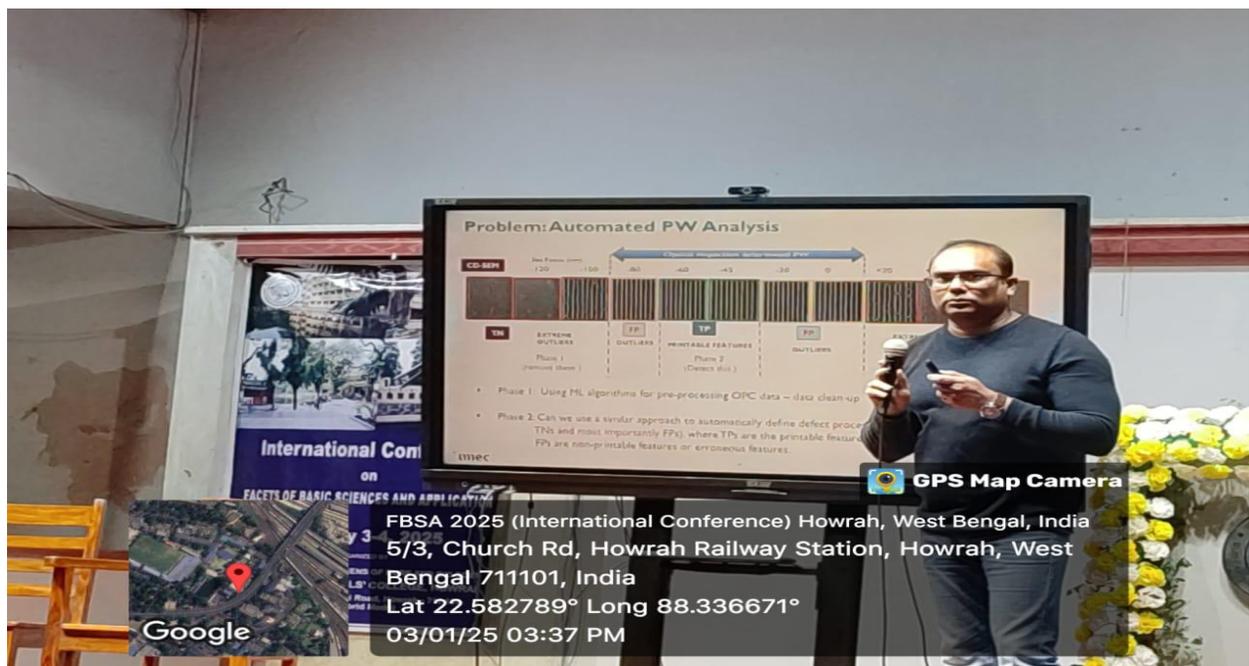
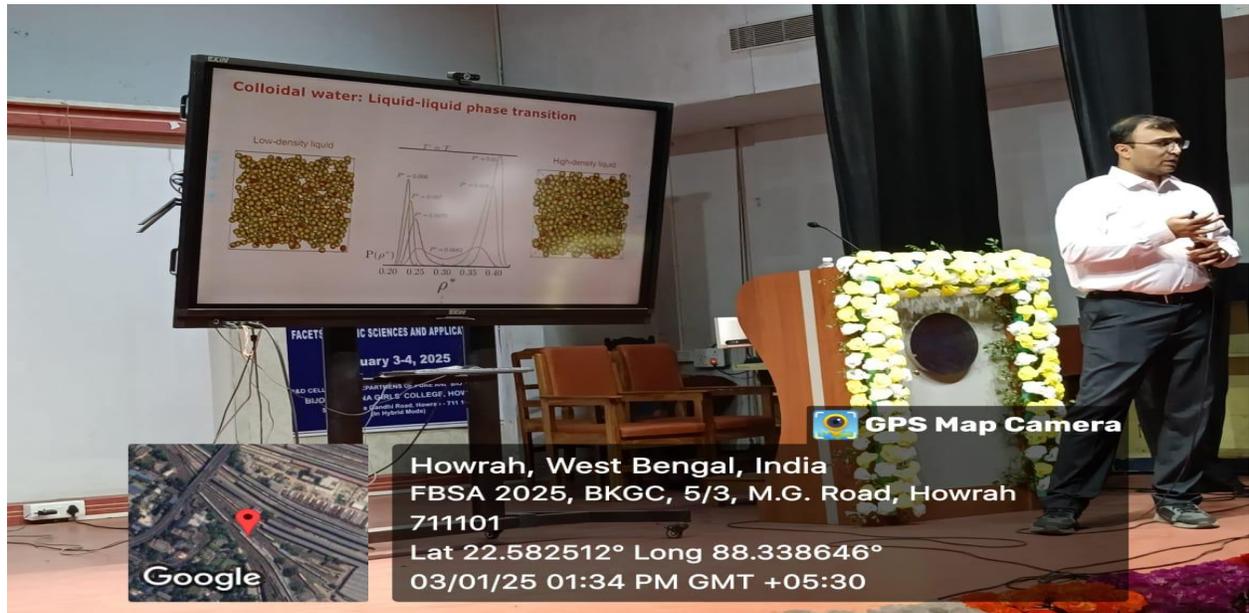
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