



A brief report on **e-ConSus 2023**

3rd International Conference on *"Revisiting Strategies for Sustainable Development"*

held on June 07-08, 2023

Organized by

**e-ConSus 2023 Conference Committee formed under the aegis of IQAC
BANWARILAL BHALOTIA COLLEGE ASANSOL-713303**



The international conference *e-ConSus 2023*, titled "Revisiting Strategies for Sustainable Development," successfully concluded its deliberations on June 7th and 8th 2023, hosted in a hybrid mode by the e-ConSus Conference Committee under the aegis of the Internal Quality Assurance Cell (IQAC) of Banwarilal Bhalotia College, Asansol, West Bengal, India. This prestigious event brought together thought leaders, researchers, policymakers, educators, and industry experts to discuss pressing global issues related to sustainable development and to chart innovative pathways for addressing them.

Objectives of the Conference

The conference aimed to create a platform for multi-disciplinary dialogue and collaboration in addressing the multifaceted challenges of sustainable development. Specific objectives included:

1. **Promoting Awareness:** Raising global awareness about the importance of sustainable development goals (SDGs) and the need for innovative strategies to achieve them.
2. **Fostering Collaboration:** Encouraging partnerships among academics, policymakers, and practitioners to devise and implement effective sustainability strategies.
3. **Revisiting Strategies:** Reflecting on the progress of existing approaches to sustainable development and exploring new, scalable, and sustainable solutions.
4. **Integrating Innovation and Technology:** Highlighting the role of technological advancements in promoting environmental sustainability, social equity, and economic stability.

Key Themes

The conference centered on several key themes aligned with the United Nations' Sustainable Development Goals (SDGs). These included:

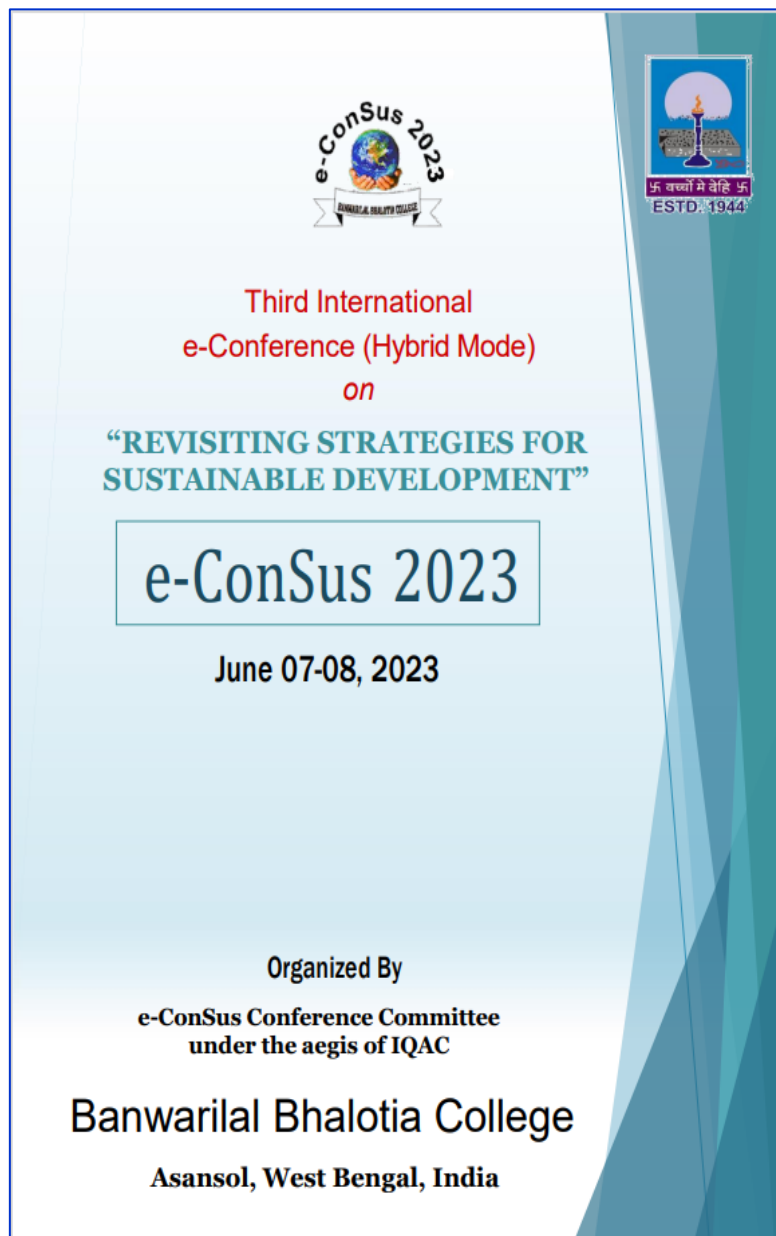
- Sustainable Human Society Sustainable STEM (Science, Technology, Engineering and Mathematics)
- Sustainable Culture Ecological Humanities Sustainable Education and Learning Practices
- Life Sciences and Sustainable Development
- Economics of Sustainable Development
- Sustainable Development Goals
- Sustainable Resource Management (Human Resources, Land, Water, Soil, Waste and e-Waste Management etc.)
- Bio diversity: Conservation & Restoration
- Sustainable City, Organizations and Transport
- Sustainable Agriculture
- Sustainable Health and Happiness
- Gender in Sustainable Development
- Indigenous Societies and Sustainable Development
- Data, Digitalism and Sustainable Development
- Green Movement
- Radical Ecological Democracy Inclusive Development Green Library Sustainable publishing/content creation and curation
- Alternative archiving
- Weather Forecasting & Climatology
- Environmental History
- Adivasi Studies

- Intersectionality
- Open access and Resources and Sustainable learning

The following is the link to the brochure of the conference

<https://drive.google.com/file/d/1s6->

[WRm5XUMao1LcedXe460S65FBtqIcm/view?usp=drive link](https://drive.google.com/file/d/1s6-WRm5XUMao1LcedXe460S65FBtqIcm/view?usp=drive_link)



Conference Participation and Format

e-ConSus 2023 adopted a hybrid mode to ensure broad participation. Delegates from around the world joined in-person at Banwarilal Bhalotia College, while numerous others participated virtually via a dedicated online platform. This approach enabled a rich exchange of ideas, transcending geographical boundaries.

The conference saw the participation of eminent personalities, including:

- **Keynote Speakers:** Esteemed experts from diverse fields who delivered thought-provoking lectures on sustainable practices and global best practices were as follows:
 1. **Dr. Saurav Paul, Director**, Estuarine and Coastal Studies Foundation, Howrah, West Bengal, India
 2. **Dr. Biswajit Ruj, Chief Scientist** Environmental Engineering Group Skill and Innovation Promotion Group CMERI, Durgapur, West Bengal, India
 3. **Dr. Apurba Ratan Ghosh, Professor**, Dept. of Environmental Science, The University of Burdwan West Bengal, India
 4. **Prof. Gautam Chandra, Professor** Department of Zoology, The University of Burdwan, West Bengal, India
 5. **Dr. Anupam Ghosh Assistant, Professor** Management Birla Institute of Technology, Mesra
- **Panelists:** Representatives from academia, industry, government, and civil society who engaged in interactive discussions.



In the picture (left to right), Bursar Dr. Parimal Ghosh, Principal Dr. Amitava Basu, Dr. Biswajit Ruj, Dr. Saurav Paul, in the lighting of the lamp ceremony

Conference Proceedings

Inaugural Session

The conference began with a warm welcome by the Principal of Banwarilal Bhalotia College and Chairperson of e-ConSus 2023, Dr. Amitava Basu. The inaugural address emphasized the urgency of sustainable development in the context of growing environmental, economic, and social challenges. Chief guests from national and international institutions shared inspiring insights on the transformative potential of collective action and innovation.

Technical Sessions and Panel Discussions

The technical sessions featured presentations of research papers by scholars from various disciplines. Topics ranged from innovative climate solutions and the role of renewable energy technologies to the importance of integrating traditional knowledge with modern scientific approaches.

Highlights of these sessions included:

1. **Renewable Energy Solutions:** Presenters showcased pioneering work on renewable energy systems, emphasizing the need for scalable and affordable technologies.
2. **Urban Sustainability:** Discussions centered on strategies for enhancing urban resilience, reducing carbon footprints, and fostering community participation.
3. **Food and Water Security:** Papers addressed the pressing need for sustainable agricultural practices and the conservation of water resources in light of climate change.

Interactive panel discussions provided a platform for dialogue between academia and industry, exploring actionable solutions to sustainability challenges. These sessions underscored the importance of public-private partnerships in achieving SDGs.

Workshops and Special Sessions

Workshops conducted during the conference offered hands-on training on topics such as renewable energy systems, sustainable waste management, and GIS applications for environmental monitoring. Special sessions focused on empowering young researchers, enabling them to align their work with global sustainability priorities.

Outcomes and Recommendations

The key takeaways and recommendations from e-ConSus 2023 included:

1. **Strengthening Policy Frameworks:** Governments should adopt and enforce robust policies supporting renewable energy, sustainable agriculture, and biodiversity conservation.
2. **Promoting Education for Sustainability:** Greater emphasis on sustainability education is needed at all levels, integrating it into curricula and community outreach programs.
3. **Encouraging Technological Innovation:** Enhanced funding for research and innovation in green technologies is crucial for addressing global sustainability challenges.
4. **Fostering Global Partnerships:** Multilateral collaborations can accelerate the exchange of knowledge, resources, and best practices across borders.

Valedictory Session and Future Directions

The conference concluded with a valedictory session where delegates reflected on the productive exchange of ideas and outlined steps for implementing the recommendations. The organizers expressed gratitude to all participants, collaborators, and sponsors for making e-ConSus 2023 a grand success.

Looking ahead, the committee announced plans to establish a network of stakeholders who will work collaboratively to implement the insights gained during the conference. This initiative aims to translate discussions into tangible actions, contributing to the achievement of SDGs at local, national, and global levels.



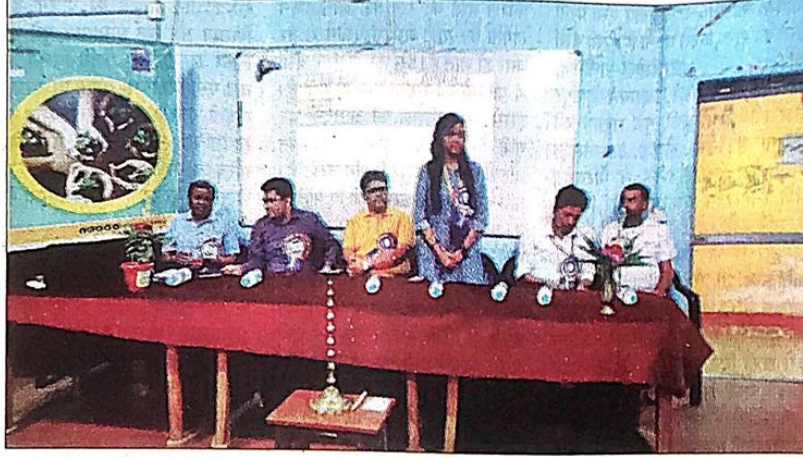
Conclusion

e-ConSus 2023 highlighted the critical importance of revisiting strategies for sustainable development in an ever-changing global landscape. The hybrid format ensured inclusive participation and a rich diversity of perspectives, making the event a landmark initiative in fostering dialogue and action for sustainability. By uniting thought leaders and innovators, the conference reaffirmed the power of collaboration in building a more sustainable future.

For any related queries or additional details about the conference, please visit the official website of e-ConSus or contact Banwarilal Bhalotia College, Asansol at <https://www.bbcollege.ac.in/>

For media reports (newspaper clippings) and some other photographs of the event please go through the next few pages.

वैश्विक महामारी बन गया है ग्लोबल वार्मिंग : डॉ अमिताभ



सेमिनार में उपस्थित बीबी कॉलेज के प्राचार्य डॉ अमिताभ बासु, इग्नू के संयोजक परिमल घोष व अन्य।

संवाददाता, आसनसोल : विकास के नाम पर प्राकृतिक संसाधनों के दोहन एवं इसके दुष्परिणामों के विषय पर जागरूकता के मुद्दे पर बीबी कॉलेज में अंतरराष्ट्रीय सम्मेलन सस्टेनेबल डेवेलोपमेंट, ई कॉन्सस 2023 का आयोजन किया गया। प्राकृतिक संसाधनों के दोहन से प्रकृति को हो रहे नुकसान को साक्षात् करते हुए इसकी जल्द रोकथाम पर जोर दिया गया। कॉलेज के प्राचार्य डॉ अमिताभ बासु ने कहा कि विकास के नाम पर विध्वंसकारी गतिविधियों पर रोक लगनी चाहिए। मनुष्य लगातार प्रकृति को नुकसान पहुंचा रहा है। परिणामस्वरूप कहीं अत्यधिक गर्मी तो कहीं अत्यधिक बारिश तो कहीं

चिंता का विषय

» बीबी कॉलेज में प्राकृतिक संसाधनों के दोहन और दुष्परिणाम पर सेमिनार

» पेड़ों की कटाई की तुलना में दुनिया में एक तिहाई भी नहीं हो रहा पौधारोपण

अत्यधिक ठंड पड़ रही है। पर्यावरण को पहुंच रहे नुकसान के कारण पूरी दुनिया ग्लोबल वार्मिंग के खतरे से जूझ रही है। ग्लोबल वार्मिंग वैश्विक महामारी बन गया है। दुनिया में जिस तेजी से पेड़ काटे जा रहे हैं, उसके एक

तिहाई भी पौधारोपण नहीं हो रहा है। पर्यावरण दिवस पर हमारी गतिविधियां ग्रीन रेवोल्यूशन आदि के लोक लुभावने वादे और दिखावे के कार्यकलापों तक ही सिमित हैं। वर्ष 2015 में यूनाइटेड नेशंस आर्गेनाइजेशन की ओर से दुनिया के 192 देशों के साथ हुए हस्ताक्षर में वर्ष 2030 तक समान रूप से सबके लिए शिक्षा, सबके लिए आवास, शुद्ध हवा, स्वच्छ पेयजल, उपयुक्त परिवेश का वादा किया गया था, लेकिन विश्व रैंकिंग में भारत पाकिस्तान को छोड़कर अन्य देशों नेपाल, भूटान, बांग्लादेश से भी पिछड़ता जा रहा है। इसके पीछे के कारणों पर गहन विचार करने की जरूरत है। मौके पर डॉ परिमल घोष, डॉ अनिमेष मंडल आदि मौजूद रहे।

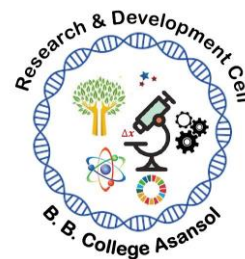
Some other photographs of the event:











Research and Development Cell
(Under the aegis of IQAC and in line with UGC Guidelines 2022)
BANWARILAL BHALOTIA COLLEGE ASANSOL-713303

Brief Report on “One-day Seminar on the theme “Research Methodology- SOURCES FOR RESEARCH GRANTS AND RESEARCH PROPOSAL”

Held on: 27th June, 2023

The Research and Development Cell, in association with Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol-713303, organised a Seminar on “One-day Seminar on the theme “Research Methodology- SOURCES FOR RESEARCH GRANTS AND RESEARCH PROPOSAL” on 27th June, 2023 from 1PM.

We invited **Dr. Arindam Biswas**, Associate Professor, School of Mines and Metallurgy, HOD (Addl Charge) Department of Computer Science & Engineering, Kazi Nazrul University, Asansol to speak on SOURCES FOR RESEARCH GRANTS AND RESEARCH PROPOSAL.

Abstract of the talk:

Research funding is defined as a grant obtained for conducting scientific research generally through a competitive process. To apply for grants and securing research funding is an essential part of conducting research. In this talk, we will discuss why should one apply for research grants, what are the avenues for getting research grants, and how to go about it in a step-wise manner. We will also discuss how to write research grants and what to be done after funding is received.

Link to letter of invitation and acceptance:

https://drive.google.com/file/d/1E_LkBzTBddX0oEDAKgFD5cFOKMgEwOAP/view?usp=sharing

Flier of the seminar:

One-day Seminar on the theme "Research Methodology"

↓

SOURCES FOR RESEARCH GRANTS AND RESEARCH PROPOSAL

On June 27, 2023 from 1PM
At Vivekananda Seminar hall, B.B. College, Asansol, India

Organised By
R & D Cell
Under the aegis of IQAC
Banwarilal Bhalotia College, Asansol, India

Invited speakers



Dr. Arindam Biswas, Associate Professor,
School of Mines and Metallurgy,
HOD (Addl Charge)
Department of Computer Science & Engineering,
Kazi Nazrul University, Asansol-713340

- **A summary of the events in chronological order as they happened on the day of the seminar:** There was one technical session in this Seminar followed by an interactive session. The seminar opened with the inaugural session with a welcome note from the anchor who also introduced the speaker. The speaker delivered his lecture and next the moderator as well as the convenor of the seminar made a few comments and raised a question. Next, we had a very lively interactive session between the audience and the speaker. Thereafter, one of our joint secretaries presented the vote of thanks and formally concluded the seminar.

Around **45** faculties from mainly science back ground from college attended the seminar. The seminar was conducted with active and unconditional efforts of all our esteemed committee members (as provided in the brochure). The response of the audience was encouraging as they raised several pertinent questions and came up with interesting comments. The respected speaker responded to all the questions and queries with elan.

Here are a few photos of the seminar:



ONE DAY SEMINAR

“SIR P C RAY AND HIS CONTRIBUTION TO SCIENCE AND SOCIETY: A RESPECTFUL RETROSPECTION”

on
27th SEPTEMBER, 2023

The Department of Chemistry at Banwarilal Bhalotia College, Asansol under the aegis of Internal Quality Assurance Cell, organized a one-day seminar on “SIR P C RAY AND HIS CONTRIBUTION TO SCIENCE AND SOCIETY: A RESPECTFUL RETROSPECTION ” on September 27, 2023 in Vivekananda seminar hall. The programme started at 11:30 am.

Dr. Rajarshi Ghosh, Associate Professor and Head of the Department of Chemistry from The University of Burdwan was the invited speaker.

 <p>One Day Seminar on SIR P. C. RAY AND HIS CONTRIBUTION TO SCIENCE AND SOCIETY: A RESPECTFUL RETROSPECTION</p> <p>Organized by CHEMISTRY DEPARTMENT, B. B. COLLEGE Under the Aegis of IQAC</p> <p>Date: 27-09-2023 • Time: 11:30 am Venue: Vivekananda Hall, B. B. College, Asansol-03</p>	 <p>One Day Seminar on Sir P.C. Ray and his contribution to science and society: A respectful retrospection</p> <p>Date: 27th September, 2023 Time: 11:30 am onwards Venue: Vivekananda Seminar Hall</p> <p> Invited Speaker Dr. Rajarshi Ghosh Associate Professor and Head Department of Chemistry The University of Burdwan</p> <p> Organised by Department of Chemistry Under the aegis of IQAC Banwarilal Bhalotia College, Asansol, W.B.</p>
<p>Banner and Flyer designed for the event</p>	



Dr. Rajarshi Ghosh delivering his talk



Asansol, West Bengal, India
B. B. College MXJX+956, Ushagram, Asansol, West Bengal 713303, India
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Long 86.997778°
27/09/23 12:48 PM GMT +05:30

Dr. Rajarshi Ghosh delivering his talk

An opening song was conducted by the members and students of the Department of Chemistry.



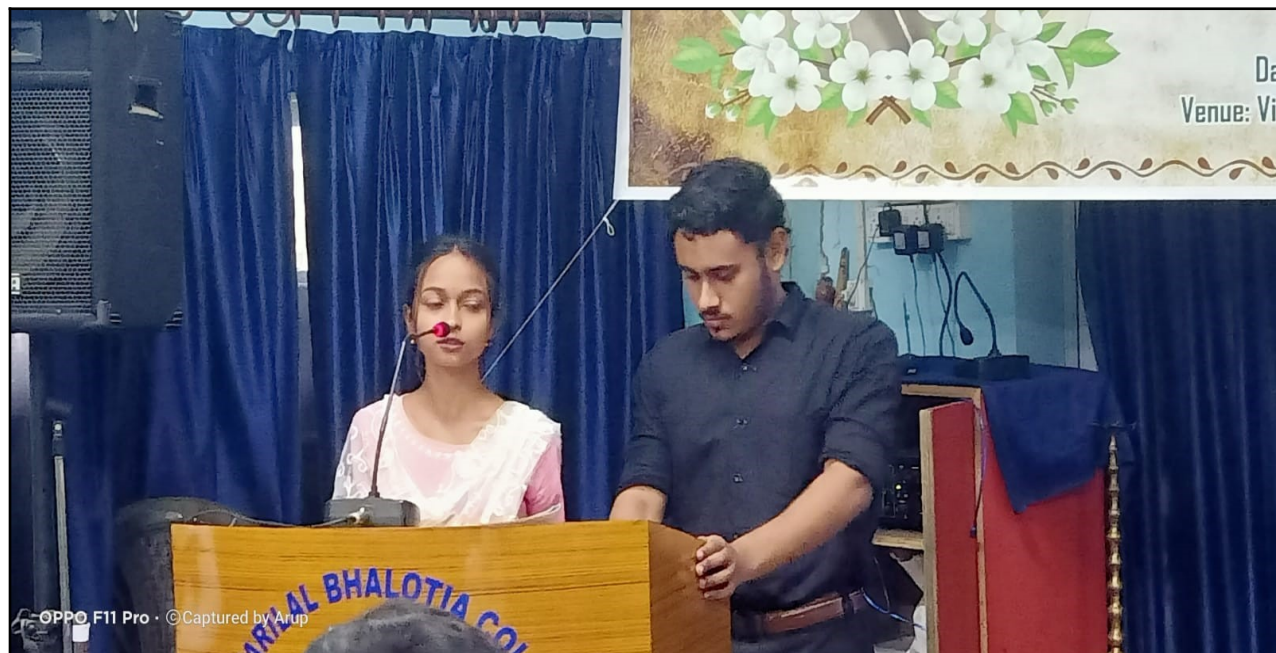
Inaugural Song by Teachers, Students and Technical Staff of Chemistry Dept.

The opening remarks and welcome address was delivered by Dr. Parimal Ghosh, Associate Professor of the Department of Physics and Honourable member of the Governing Body.



Dr. Parimal Ghosh delivering his welcome address

Aritra Singha, Animesh Banerjee, Rima Pal and Priyanka Sadhu, students from the Department of Chemistry were in charge of anchoring the programme.



Priyanka Sadhu and Aritra Singha as anchors



Rima Pal and Animesh Banerjee as anchors

The seminar was attended by the science faculty members and students of the college.



Audience at the event

About the talk:

Dr. Ghosh's talk focused on the life and activities of '*The Father of Indian Chemistry*'. He beautifully narrated various incidents in the life of the accomplished scientist which highlighted both his academic and humanitarian accomplishments. He discussed about Sir P. C. Ray's research work on organic and inorganic nitrites as well as the serendipitous discovery of the stable compound mercurous nitrite in 1896, which laid the groundwork for years of discoveries and published research on the synthesis, structure, and decomposition of nitrites of different metals.

Dr. Ghosh also enlightened us by sharing an anecdote wherein a few Indian scientists in recent times tried to tarnish the image of Prof. P. C. Ray by refuting the discovery of mercurous nitrite but was soon proved otherwise by Dr. Animesh Chakraborty, a renowned inorganic chemist.

Dr. Ghosh aptly illustrated how Prof. Ray led a very frugal life spending all his earnings for the betterment of research and education in our country. He talked about the establishment of Bengal Chemicals in pre-independent India and that how it has flourished over time is itself reminiscent of the fact that Prof. P. C. Ray was not only a scientist but a visionary entrepreneur.

Dr. Ghosh's talk was very informative, enlightening and his lucid way of presentation captivated one and all.

Dr. Ashis Kumar Dutta had warmly acknowledged our respected, invited speaker Dr. Rajarshi Ghosh with a certificate of appreciation and Memento of gratitude.

The event successfully ended with a Vote of Thanks cordially delivered by Dr. Snigdha Roy, Head and Assistant Professor of the Department of Chemistry.



Acknowledging Dr. Rajarshi Ghosh with Certificate and Memento by Dr. Ashis Kumar Dutta



Dr. Snigdha Roy delivering Vote of Thanks

Today's scientific programmes focus on societal benefits along with research outputs. Dr. Ray's entire research career has been an exemplary example of the same. We are hopeful that our students have been immensely benefitted by this lecture and will be inspired to shape their careers for the betterment of the society and country at large.



Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol-713303, organized an International Seminar on “Promotion of Scientific Temperament in Light of NEP 2020” on 8th February, 2024 from 11:30 AM.

We invited **Dr. Rajib Sarkar**, an International Scientist and Academician from **Germany**. He is a **Senior Scientist** is at **Technical University of Dresden** where he joined on 2014. Prior to that he had been a senior researcher at **Max Planck Institute for Chemical Physics of Solids, Germany**. The main idea behind inviting Dr. Sarkar was to popularize Basic Science research among the students of the town. He writes books in Bengali and even translates research level German books in vernacular languages and a lucid style which could be understood and enjoyed by even primary level school going students here in India. Following is the link to his webpage, research and academic contributions:

https://tu-dresden.de/mn/physik/ifmp/das-institut/mitarbeiter/mitarbeiter_details/sarkar_details_html

Following is the flyer to the seminar:

FEBRUARY 8, 2024

International Seminar

ON

PROMOTION OF SCIENTIFIC TEMPERMENT IN LIGHT OF NEP 2020

Eminent Speakers

Dr. RAJIB SARKAR
Scientist
Technical University of Dresden, GERMANY
to share his vision on
“Low temperature and magnetism: some thoughts”

Dr. AMITAVA BASU
Principal
B. B. College Asansol, INDIA
to enlighten us upon
“Implementation of NEP 2020 in HEI: A Critical Review”

Organized by
INTERNAL QUALITY ASSURANCE CELL, B. B. COLLEGE ASANSOL
Time: 11:30 AM Venue: Room 106, Science Block

Conveners: Dr. Chanchal Biswas Associate Professor, Dept. of Botany
Dr. Sudipta Das IQAC Coordinator & Assistant Professor, Dept. of Mathematics
Dr. Subharthi Sarkar Assistant Professor, Dept. of Mathematics

Banwarilal Bhalotia College
Constituent College of the KAZI NAZRUL UNIVERSITY, Asansol
(GOVT. SPONSORED U. G. & P. G. College)

Following is the link to the invitation letter and he confirmed his acceptance by call:

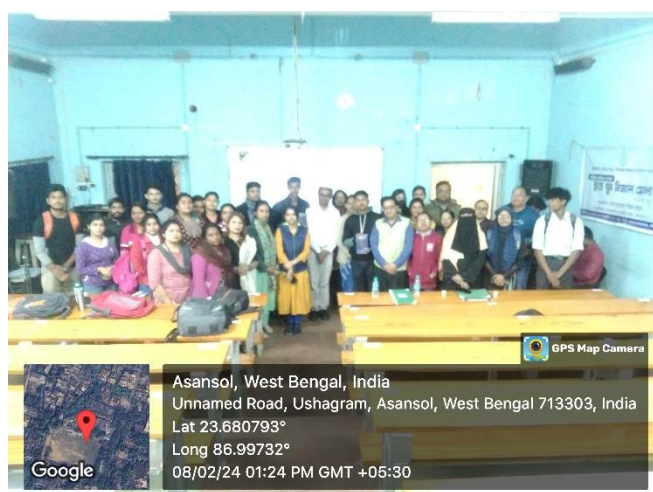
<https://drive.google.com/file/d/1Jld6jGUTmWnimnxZ-3U0Vr-Zfavhdwxu/view?usp=sharing>

Brief Report on the chronology of events:

At first, Dr. Amitava Basu, Principal B. B. College Asansol enlightened upon the practical aspects of the implementation of NEP 2020 in WB sponsored Colleges and other HEIs. He candidly explained how exactly we are going to implement the new courses and how they are going to be much more relevant from the needs of the present time. A critical review as made on the course structure of science streams and their implementation. With a brief introduction, he then invited Dr. Rajib Sarkar, scientist TU Dresden Germany to speak on the theme of the seminar.

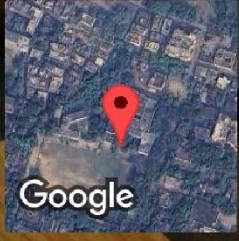
Dr. Sarkar then thanked the principal and gave a wonderful and captivating deliberation on his topic. Dr. Sarkar interacted with the students in Bengali/Hindi on the applications of low-temperature and magnetism and discussed the future prospects of students to study in Germany and European countries. Students were enthralled to interact with him. Being a celebrated author of scientific writing in Bengali, his presentation was as interesting and rejoicing as his books are. He lucidly explained the significance of achieving low temperatures for experimental physics, and the important results that can be obtained under temperature setups. In this context, he lucidly explained the results on magnetism and their industrial applications. Thereafter, the topic of discussion was changed to his life lessons and his life journey from a small village in West Bengal to the post of a scientist in a leading international technical institute in Germany. Students were highly inspired by his story and the PG students got motivated in pursuing a research career like him and asked in the process of application etc. Dr. Sarkar satisfied them all. Over 62 participants comprising of faculties and UG/PG students from the Physics/Chemistry department attended the seminar.

➤ Here are a few photos of the seminar:





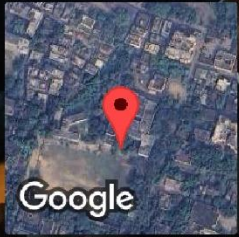
 GPS Map Camera



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Long 86.997477°
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 GPS Map Camera



Asansol, West Bengal, India
MXJX+92M, GT Rd, Ushagram, Asansol, West Bengal 713303, India
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Long 86.997477°
08/02/24 12:06 PM GMT +05:30



Department of Botany

in association with

Research and Development Cell

(Under the aegis of IQAC and in line with UGC Guidelines 2022)

BANWARILAL BHALOTIA COLLEGE ASANSOL-713303

A BRIEF REPORT ON

“One-Day International Seminar on Research Methodologies in Marine Microbiota: Past and Present”

Held on: 12th February’ 2024

A day-long seminar was organized by the Dept. of Botany on 12th February’ 2024 in the Swami Vivekananda Seminar Hall (Gallery – 106). This seminar was held in hybrid mode as one of our speaker **Dr. Amit Kumar Ghosh, an Emeritus Scientist at Birbal Sahni Institute of Palaeosciences**, presented his talk through Google Meet and there were many listeners from other colleges too. The other lecture was in offline mode and for that we were immensely lucky to get **Dr. Aparna Banerjee who is presently an Associate Professor, at Institute de Ciencias Aplicadas, Chile** and is a dweller of Asansol, her home city.

Dr. Amitava Basu inaugurated the seminar through his welcome lecture and all the teachers of the Botany Department contributed to the part of the role they were assigned. The vote of thanks was given by senior teacher, Dr. Sanjeev Pandey of the Department of Botany. Over 56 faculties and students attended and enjoyed the seminar. Several attended the same online as well. In a nutshell, the seminar was quite successful and fulfilled the objective of the seminar.

The department remains grateful to the Principal, all the teachers of Botany Department, the IQAC Coordinator, Convenor of the R&D Cell of the college, for their continuous

encouragement and support. And last but not least, all of us remain indebted to the two eminent speakers who graced the occasion with their resourceful presentation.

The Flyer and some of the photographs taken during the seminar are enclosed below:

One-Day International Seminar On Research Methodologies in "Marine Microbiota: Past & Present"

ORGANIZED BY:
Department of Botany
under the aegis of R & D Cell and IQAC
Banwarilal Bhalotia College
Affiliated to Kazi Nazrul University, Asansol, West Bengal, India



Speakers



Dr. Amit Kumar Ghosh
Emeritus Scientist
"Birbal Sahni Institute of Paleosciences"
Lucknow, Government of India
MAJOR CLIMATIC EVENTS DURING THE LAST 23
MILLION YEARS: EVIDENCE FROM THE FOSSILIZED
MARINE PHYTOPLANKTON OF ANDAMAN AND
NICOBAR ISLANDS
Venue:
**SWAMI
VIVEKANANDA
HALL**
Room No. 106 (Gallery)
(Main Building, Ground
Floor)



Dr. Aparna Banerjee
Associate Professor
"Instituto de Ciencias Aplicadas"
Universidad Autónoma de Chile, Chile
SEEING THE UNSEEN FROM GEOTHERMAL
FLUIDS OF ANTARCTICA
(Expedition year- 2024 & 2022)



Patron
Principal
Dr. Amitava Basu
B. B. College, Asansol

Date & Time:
**12TH FEB' 2024
11.00 AM - 3.00 PM**
Registration fee -
free for all

Organizing committee

Convenors
Dr. Sabina Pradhan
Dr. Sucheta Mandal
Dr. Siddhartha Singh Deo

Advisory Committee
Dr. Sanjeev Pandey
Dr. Chanchal Kr. Biswas (HOD)
Dr. Animesh Mondal (Treasurer)
Dr. Sunrit Basu Sarbadhikary

DR. SUDIPTA DAS (COORDINATOR, IQAC, B. B. COLLEGE)

Mode: Hybrid (One lecture Off-line, one lecture via Google Meet; Link -
<https://meet.google.com/nwy-ydvn-zxa>

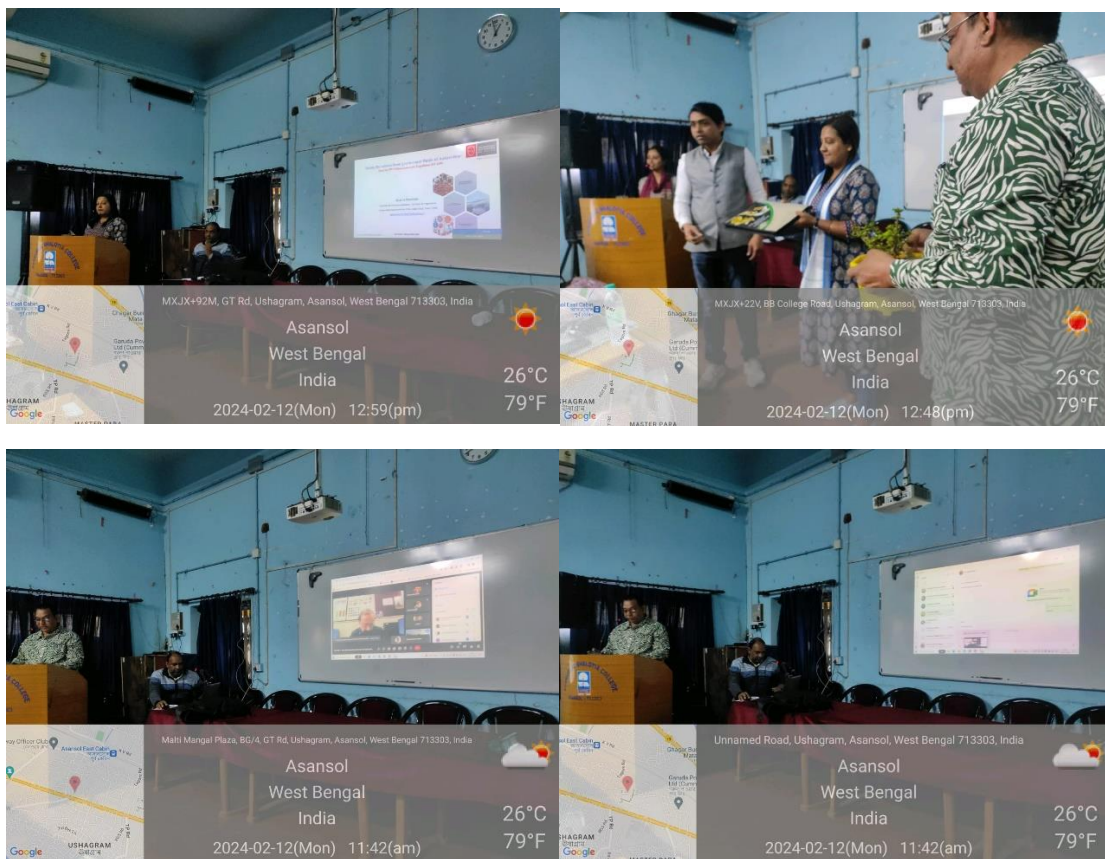


Figure – Top left – Dr. Aparna Banerjee delivering her lecture, Top right – Dr. Chanchal Kr. Biswas felicitating Dr. Aparna Banerjee; Bottom left – Dr. Sanjeev Pandey introducing Dr. Amit Kr. Ghosh Sir, Bottom right – Dr. Amit Ghosh Sir, taking up questions from participants

Following is the YouTube link of the seminar:

<https://youtube.com/live/Si9cyutRmbw?feature=share>

Indian Council of Social Science Research sponsored two days International Seminar Report on

“Environmental Issues, Global Politics and India’s Leadership: Historical Perspectives”

Organised by

Department of History(Hindi Shift)

Banwarilal Bhalotia College, Asansol, WB-713303

Date-4th & 5th March, 2024

The Department of History (Hindi shift), Banwarilal Bhalotia College, Asansol, West Bengal organized a two-days international seminar, entitled “Environmental Issues, Global Politics and India’s Leadership: Historical Perspectives “ on 4th and 5th March, 2024. The event was generously funded by Indian Council of Social Science Research, New Delhi. More than one hundred participants from various discipline had registered from all over India for the seminar and presented paper both in online and offline mode. Environmental issues is major concern for present days and scientists, global leaders, policy makers also trying to minimise the problems for better future. India is playing major role under leadership of Hon’ble PM Narendra Modi to prevent climate change. As we know the major part of the G20 summit in Delhi was climate change or environment related problems. History of environment cannot be discussed only within the arena of humanities or in social science perspectives. Keeping this, in mind the organising committee allows paper presenters form science and commerce discipline also. Faculties, scholars from various discipline like chemistry, geography, zoology, management presented their research papers in this conference. So in this respect the seminar was truly multidisciplinary in nature. From this perspectives Esteemed resource persons specializing in environmental history and working on environmental issues delivered their valuable lectures on various themes pertaining to the history of environment and recent activities to protect our nature. They were equally zealous to engage in lively interaction with the learned audience. We also had a huge pool of paper presenters from different parts of our country.



Resource Persons and Dignitaries:

Day 1: The inaugural session saw pertinent introductory remarks by Professor Debashis Bandyopadhyay, the respected Vice Chancellor, Kazi Nazrul University, followed by Professor Amitava Basu, the respected Principal, Banwarilal Bhalotia College. While the former delivered deep into our ancient past in his search of relevance of the history of environment, the latter warned us with the contemporary environmental challenges which had roots in the past. Professor Debashis Bandyopadhyay reminded us that without nature, would turn into a world of Anthropocene. Professor Amitava Basu insisted on putting an end to relentless abuse of nature.

Our first resource person was Professor Sajal Nag, retired professor Dept. of History, Assam University. The title of his paper was- 'Bamboo flowering and Rat Famine; A periodic Ecological disaster in North East India'. He spoke on bamboo flowers and rat famine in the context of Assam. He eloquently demonstrated the peril that nature can bring on the course of human history. Rat famines in colonial times not only led to ecological crisis but also it caused several political movements.

Professor Sutapa Chatterjee Sarkar, Professor, West Bengal State University, delivered her lecture, on the way we can look at environmental history. She did not limit environmental history to one aspect or one dimension. According to her, the history of environment needs to be studied in combination with social and cultural history. Professor Chatterjee Sarkar brought in the case study of the Sundarbans to substantiate her argument. The case of the Sundarbans was about vulnerability and resilience. She demonstrated how land reclamation changed the course of environmental history in the region. The respected chairperson Prof. Tridib Santapa Kundu, Principal of the Deshbandhu Mahavidyalaya summed up the session with his intriguing inputs. The resource persons engaged in a fruitful interaction with the audiences that included teachers, students, paper presenters and other esteemed participants.

In the second half of day-1, young scholars were invited to speak on their intriguing fields of research pertaining to environmental history. Dr. Enayatullah Khan's, Associate Professor, Aliaha University, Kolkata, area of focus was medieval India, especially Mughal India. He referred to several Mughal sources of history which depicted the flora and fauna of that time period. He also referred to the impact of plagues during the Mughal rule. A connection between

famines and diseases was unearthed in his eloquent talk. Dr. Manas Dutta's ingenious endeavors was to establish a credible correlation between military history and environmental history. He cited contemporary examples tussles between superpowers with the environment as the backdrop.

Day 2: Professor Rohan D'Souza, the keynote speaker, arrived from Kyoto University, Japan and delivered his keynote speech. He spoke about the responsibility and craft of the historian working on the history of environment. According to him, nature is not a passive backdrop to an unfolding of human drama. The historians are supposed to explore the active role that the nature plays in human history. While speaking about the history of "modern" river, he has shown how the river not only changes the course of history but also changes the course and precinct of land. Bengal and Bihar were always remade by rivers and he rightly stated that the Permanent Settlement did not work because the changing nature of land in those regions. He reminds the modern-day policymakers to take into account the nature while formulating new policies. Professor D'Souza also claimed that at some level nature is also culture which we need to preserve.

His scholarly lecture was followed by interesting presentations by Dr. Paulami Guha Biswas and Dr. Tirthankar Ghosh, Assitant professor, Kazi Nazrul University, Asansol. The former studied the history of environment from the perspective of road construction and sustainable development, the latter showed us how we could study cyclones and the impact of cyclones from the historical perspective.

In the second half of day 2, we had two parallel sessions i.e. online paper presentation and offline mode. Dr. Krishnendu Mandal, Scientist, Ministry of Environment, Forest and Climate Change, discussed about the Wild life Crime and laid bare a dark truth behind the fashion industry that involved merciless killing and poaching of animals, use of their body parts and involvement of foreign powers.

Online and Offline Presentations:

We receive huge response to our call for paper presentations. We had both online and offline presentation on both days. Esteemed presenters covered a wide array of themes pertaining to environmental history, thus leading to further enrichment of our conference. Scholars from

diverse disciplines contributed their presentations, making it a truly multidisciplinary event. For example, Prof.K Damodaran, from the Central University of Tamil Nadu presented paper entitled 'Addressing the Challenges to E-Vehicle Adoption in India: From a Consumer Perspective'. In his presentation he discussed government initiative for the promotion of green energy, e vehicles and sustainable development. Mr.Ranajit Mandal, Assistant Professor of B B College discuss about the international affairs/ relations of India in the context of environmental issues. The topic of his paper is 'India's position on environmental issues in Global Politics'. Mrs. Kanchan Kumari, SACT teacher of our college also presented paper on Delhi G20 Summit and Environment Agreements.

This seminar is organised by the Department of History and a major thrust was the environment consciousness in from ancient times in India. so participants like Dr.Sumita Mandal, Associate Professor, Khandra College, Asansol talked about ancient literary edification for environmental conservation. Dr.Goutam Majee another participant presented paper on 'Ecological Perceptions in Early Indian spiritual thought'. Another faculty of B. B. College, Mr. Prasenjit Daw gave presentation on environmental thinking during Vedic times. Dr. Anamika Ganguly, Assistant Professor,Balarampur College, presented paper on 'Ecological Wisdom in Vedic Literature: A Comprehensive Analysis'. All these papers show the Indian cultural tradition and love, respect for our mother nature. Rituparna Sarkar, Assistant professor, Bidhan Chandra College, Asansol discussed about ecological perspectives presented in Ramayana. Dr.Nurul Islam, Assistant professor of Karmashree Hiteswar Saikia College, Assam presented paper on Environmental Consciousness in Yogic System of Ancient India: An Analytical Study.

We received papers dedicated to Sustainable Development Goal-2 and initiatives to ensure No-Hunger in India. Another paper examines the intersection of eco-ethics, religious/spiritual teachings, and higher education, focusing on the translation of micro-rituals into macro-impacts on ethical perspectives and educational practices. An important paper was focused on Climate change and its impact on human health in the Northeastern region of India. A scholarly take on diminishing coral reefs provided us food for thought. Impact of Environment and Mental Health of Women was explored in another paper. While one presenter threw in insights into environmental consciousness in Ancient India, another presenter spoke on pollution in the space. Exploration of environmental awareness from the literary points of view was also in vogue.

Hence, various aspects of environmental history were explored not only from different time periods (ancient, medieval and modern) but also from multidisciplinary perspectives (combination of natural sciences, social science and humanities). This international seminar also lived, recorded and updated to our college YouTube channel, i.e <https://www.youtube.com/live/2Ew1PT-5bUk?si=I6EeKi-5Jiod7KIn>

Debashis Mandal
Convenor

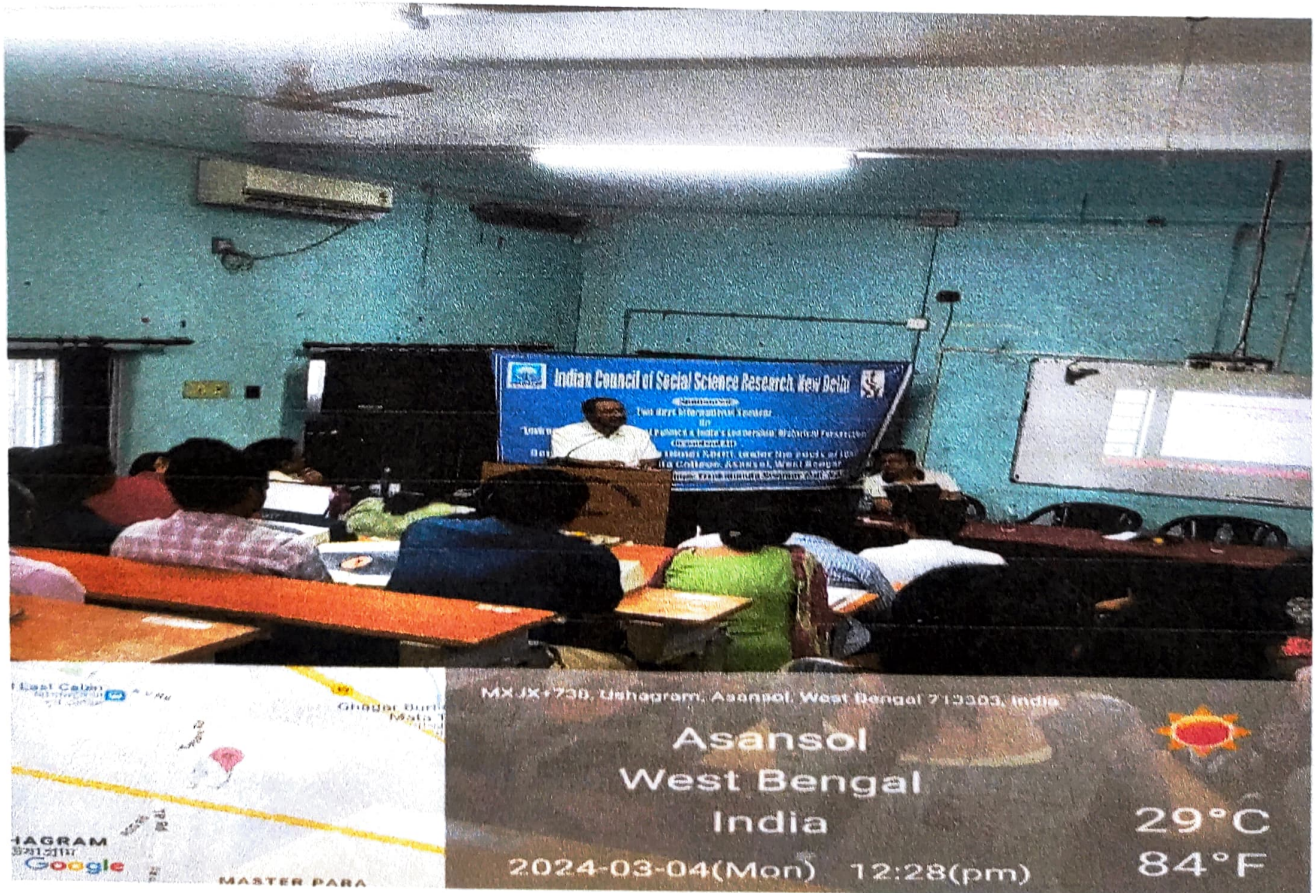
Dr. Debashis Mandal

ASSISTANT PROFESSOR
DEPT. OF HISTORY (HINDI SHIFT)
BARNARILAL BHALOTIA COLLEGE
ASANSOL-713303

Some photographs of the seminar:







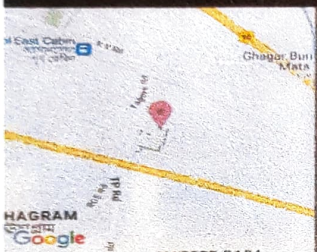


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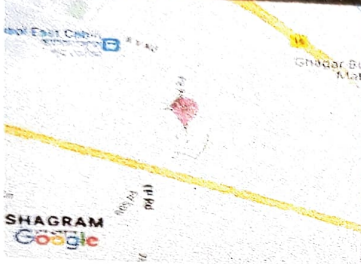
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Asansol
West Bengal
India



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-----Thank You-----

Debashis Mandal
Signature
Convenor
Dr. Debashis Mandal

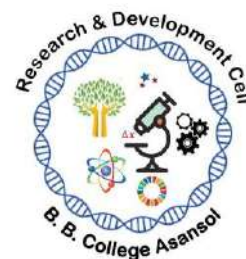
ASSISTANT PROFESSOR
DEPT. OF HISTORY (HINDI SHIFT)
BANNARILAL BHALOTIA COLLEGE
ASANSOL - 713303



A. Basu
Signature
Principal

Prof. (Dr.) Amitava Basu

DR. AMITAVA BASU
Principal, B. B. College
Ushagram, Asansol, P Bardhaman
West Bengal - 713303



Research and Development Cell
(Under the aegis of IQAC and in line with UGC Guidelines 2022)
BANWARILAL BHALOTIA COLLEGE ASANSOL-713303

**Brief Report on “National Science Day Celebration by the
department of Physics”**

Held on: 28th February, 2024

The Department of Physics, in association with the Department of Mathematics and Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol-713303, organised series of lectures and presentations to celebrate National Science Day on 28th February, 2024 from 10am onwards.

We invited Dr. Tamal Basak, Assistant Professor II, Indian Centre for Space Physics and Dr. Devendra Bish, Scientist C, Indian Centre for Space Physics to speak on Chandrayaan 3.

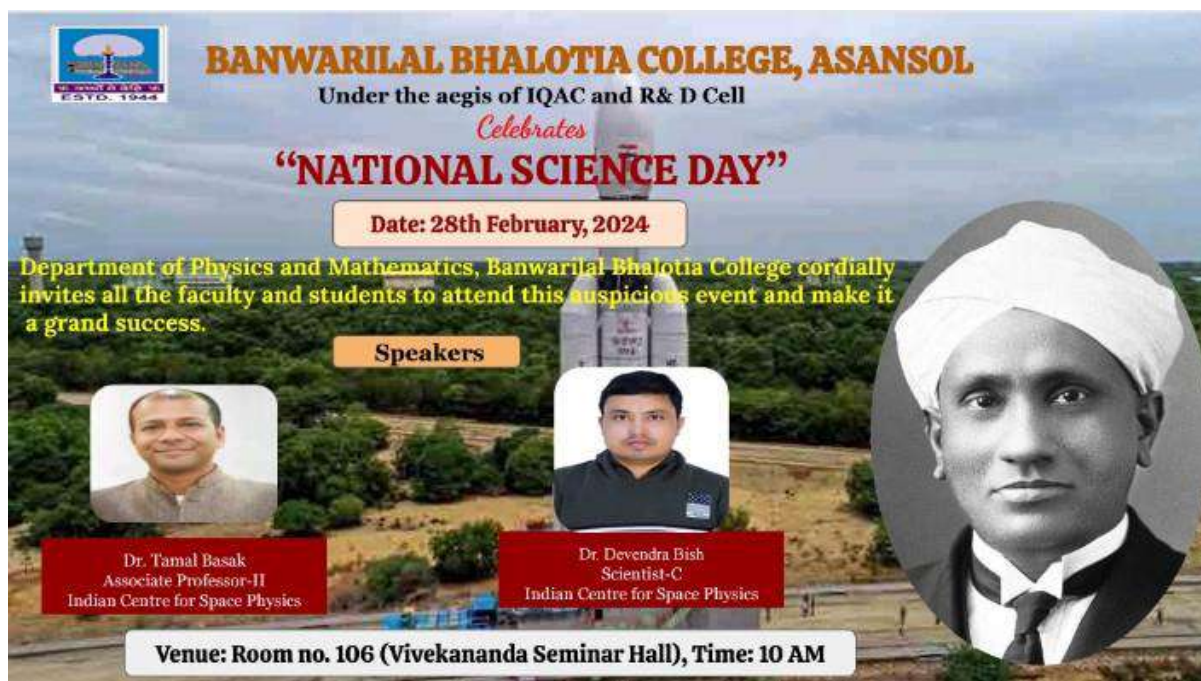
Chandrayaan 3 is the third mission in the Chandrayaan programme, a series of lunar-exploration missions developed by the Indian Space Research Organisation (ISRO). The mission consists of a Vikram lunar lander and a Pragyan lunar rover was launched from Satish Dhawan Space Centre on 14 July 2023. The spacecraft entered lunar orbit on 5 August, and India became the first country to touch down near the lunar south pole, at 69°S, the southernmost lunar landing on 23 August 2023 at 18:04 IST (12:33 UTC), ISRO became the first agency to land on the south pole of the moon in its first attempt & overall the fourth space agency to successfully land on the Moon, after USSR, NASA and the CNSA .

Abstract of the talk:

Chandrayaan-3: India hikes on the moon

Chandrayaan-3, India’s third lunar exploration mission, was a resounding success. It was launched on July 14, 2023. The mission’s primary goal was to demonstrate a safe and soft landing on the lunar surface and to conduct in-situ scientific experiments. On August 23, 2023, Vikram successfully touched down near the Moon’s south pole, making India the fourth country to achieve this feat. We discuss the mission’s success which marked a significant milestone for India’s space program and solidified its position as a global leader in lunar exploration.

One page Flyer of the Seminar:



A miniature model of Chandrayaan 3 was built by the students under the supervision of Dr. Ambalika Biswas, Assistant professor Department of Physics and immense support from our honorable Principal Sir, Dr. Amitava Basu. The model was inaugurated by Dr. Basu, the speakers of the day and faculties of both the departments. It is preserved at the central library.

Followed by an inaugural program by the departmental students there were few student talks by the post graduate students of Physics. Post lunch the speakers delivered their talks and the program came to an end by a vote of thanks by Dr. Kajal Krishna Dey and Dr. Tapan Kumar Maji, HODs of the department of Physics and Mathematics.

Here are a few photos of the seminar:









Department of Mathematics

in association with

Research and Development Cell

(Under the aegis of IQAC and in line with UGC Guidelines 2022)

BANWARILAL BHALOTIA COLLEGE ASANSOL-713303

Brief Report on

“An International Seminar on: How to Join Top Universities”

Held on: 25th May 2024

The Department of Mathematics in association with the Research and Development Cell, and Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol-713303, organized an International Seminar on “How to Join Top Universities” on 25th May, 2024 from 12PM.

We invited **Ms. Piyali Chakraborty**, who happens to be our alumnus and a researcher at University of Central Florida, United States of America. She has graduated from our college and then she has done her masters from NIT Trichy. Thereafter she followed the path of our other alumnus Dr. Pawan Kumar Gupta who has completed his PhD from USA and is currently a scientist at University of Baltimore. Keeping in line with the traditions of our Mathematics Dept., we invited her to her alma matter in order to motivate UG/PG students to apply in top notch institutes in India and universities abroad.

Following is the link to the Letter of Invitation and his acceptance for the same:

<https://drive.google.com/file/d/18asYw8kKcLua9yrLHFmKLSsPCLFjxYDQ/view?usp=sharing>

Following is the link to the Flier:

<https://drive.google.com/file/d/1OYHRtq-zkdmjF7azh7VzoOLgxXSDufg5/view?usp=sharing>




Seminar
on
HOW TO JOIN TOP UNIVERSITIES


Date: 25 May 2024 Time: 12PM

Target Audience: ALL UG/PG Students are welcome

Speaker

Organized by
Department of Mathematics
in association with R&D Cell
Under the aegis of the IQAC
B. B. College Asansol



Piyali Chakraborty
Researcher of Mathematics
University of Central Florida, USA

Venue: Room No. 106, Science Block, B. B. College Asansol

Flyer of the Seminar

➤ **A summary of the events in chronological order as they happened on the day of the seminar:**

- The technical session in the Seminar followed by an interactive session. The seminar opened with the inaugural session with a welcome note from a student who welcomed our Principal Sir, the resource person and the faculty members for lightening of the lamp. Thereafter, Principal Sir gave a wonderful inaugural speech to set the right tone of the seminar.
- Next, we had a very lively interactive session between the audience and the speaker **Ms. Piyali Chakraborty**. Over 75 participants attended the seminar including over

70 students from various disciplines who attended and interacted with Piyali to clear their doubts and misconceptions of studying/working abroad.

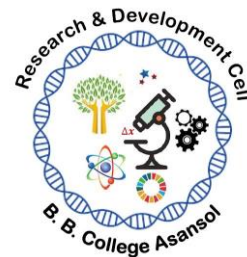
- At first, Piyali recollected her wonderful journey from B. B. College to NIT Trichy and then to Central University Florida. She explained how her love and passion for mathematics motivated and inspired her in this pursuit. She then gave a detail on the various competitive examinations after UG and PG.
- After that, a **step wise detailed explanation of IIT JAM, JAM Counselling and GRE and TOEFL** examinations was discussed among the students. The students came up with queries, doubts and worries which were resolved up to their satisfaction. They were also exposed with the various job opportunities.
- After that the floor was open for discussion. Since she was a recent passed out student from our department, she mingled with the students freely and shared several of her experiences. Students were enthralled to interact with their “*didi*”.

➤ **Here are a few photos of the seminar:**









Research and Development Cell
(Under the aegis of IQAC and in line with UGC Guidelines 2022)
BANWARILAL BHALOTIA COLLEGE ASANSOL-713303

Brief Report on Research Methodologies in Pure and Applied Sciences-“Tit-Bits of Academic Writing”

Held on: 30th May, 2024

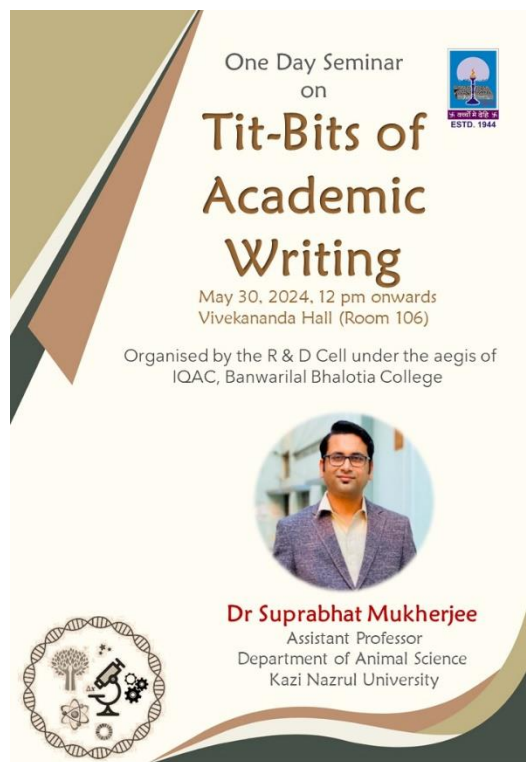
Research and Development Cell, and Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol-713303, organized a National Seminar on *Research Methodologies in Pure and Applied Sciences “Tit-Bits of Academic Writing”* on **30th May, 2024** from 12PM.

We invited **Dr. Suprabhat Mukherjee**, an eminent scientist, researcher and academician from Kazi Nazrul University. **Dr. Mukherjee** is an expert in immunity and immunopharmacology, serving as an Assistant Professor and Head of Allied Health Science & Technology at Kazi Nazrul University, India. He holds a Ph.D. in Zoology and has conducted post-doctoral research in France and India. With 75 research articles, 25 book chapters, one book, and one patent, he boasts an h-index of 28 and 2928 citations. He has supervised two Ph.D. graduates and is guiding four current students. Dr. Mukherjee is an editor and reviewer for several prestigious journals and has received numerous awards, including the EMBO Post-Doctoral Fellowship and KNU Best Faculty Award. He has secured significant research funding and is ranked among the World's Top 2% Scientists by Stanford University for 2022 and 2023

Following is the link to the Letter of Invitation and his acceptance for the same:

<https://drive.google.com/file/d/1jkjppgkM20Vx2kJIsitXM9gNyvaA86dI/view?usp=sharing>

Following is the Flier of the seminar:



➤ **A summary of the events in chronological order as they happened on the day of the seminar:**

- The technical session in the Seminar followed by an interactive session. The seminar opened with the inaugural session with a welcome note from the anchor Dr. Sanjeev Pandey who welcomed our Principal Sir, the resource person and faculty members and felicitate with uttorio. Thereafter, Principal Sir gave a wonderful inaugural speech to set the right tone of the seminar.
- Next, we had a very lively interactive session between the audience and the speaker Dr. Mukherjee. **Over 72 participants attended the seminar including over 56 students from various disciplines who attended and interacted with Dr. Mukherjee to clear their doubts and misconceptions of writing scientific research article.**
- At first, Dr. **Mukherjee** recollected his work and hard-earned journey from a simple researcher to World's Top 2% Scientists. He explained what are the tricks for writing scientific article from his throughout experiences and what can be the probable reason for rejection. He also discussed about the writing of project proposal for applying different grand.
- After that the floor was open for discussion. Students showed interest for pursuing higher studies and M.Sc. students get motivated for pursuing Ph.D.

➤ Here are a few photos of the seminar:





Unnamed Road, Ushagram, Asansol, West Bengal 713303, India

Asansol
West Bengal
India



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Research and Development Cell
(Under the aegis of IQAC and in line with UGC Guidelines 2022)
BANWARILAL BHALOTIA COLLEGE ASANSOL-713303

Brief Report on “Funding Opportunities in Humanities and Social Science Research”

Held on: 12th July, 2023

The Research and Development Cell, in association with Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol-713303, organised a Seminar on “Funding Opportunities in Humanities and Social Science Research” on 12th July, 2023 from 11.00 AM.

We invited Dr. Tridib Santapa Kundu, Assistant Professor, an eminent historian and Principal, Deshabandhu Mahavidyalaya, Chittaranjan to speak on various funding opportunities and funding bodies in social sciences and humanities. He did his Ph.D. on the impact of Partition on West Bengal and conducted several research projects funded by UGC and British Library, U.K. During the last few years, Dr. Kundu has been working on developing digital archives in collaboration with the Endangered Archives Programme of the British Library, U.K and Centre for Studies in Social Sciences, Kolkata. One such archive entitled “Private records of the leading business families of early colonial Bengal (EAP1104)” is now open for consultation. His ongoing project entitles “Digitization of archival material and rare books preserved at the Sadharan Brahma Samaj, Kolkata 1878-1950 (EAP1475)” is at the final stage. Currently, he has been developing a Digital Humanities Project entitled “Digitization of Heritage Text to Distribution of Accessible Machine-Readable Text: A Complete Solution” jointly with Dr Arjun Ghosh, Professor, Department of Humanities and Social Sciences, Indian Institute of Technology Delhi, New Delhi. This project is designed to have two interlinked goals.

A summary of the events in chronological order as they happened on the day of the seminar: There was one technical session in this Seminar followed by an interactive session. The seminar opened with the inaugural session with a welcome note from the anchor who also introduced the speaker. The speaker delivered his lecture and next the moderator as well as the convenor of the seminar made a few comments and raised a couple of questions. Next, we had a very lively interactive session between the audience and the speaker. Thereafter, one of our joint secretaries presented the vote of thanks and formally concluded the seminar.

Around 55 people attended the seminar. The seminar was conducted with active and unconditional efforts of all our esteemed committee members. The response of the audience was encouraging as they raised several pertinent questions and came up with interesting comments. The respected speaker responded to all the questions and queries with elegance. The eminent speaker wisely advised us to look beyond the national funding bodies and explore more funding opportunities from abroad.

