



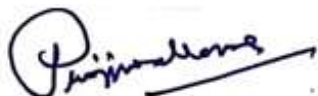
Criteria 3 - Research, Innovations and Extension

3.2.2 Number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

Reports on Seminars and Workshops Organized by Science Departments

Workshops / Seminars / Conferences Index:


Sr. No	Title of the workshops / seminars / conferences	Department	Year	Date	National/ International/State Level	Page No
1.	Neotieric approaches in applied sciences	Botany	2020	24th & 25th August, 2020	International	2-9
2	Emerging Bio-based Industrial Sectors and Job Prospects: Indian Scenario with Special Reference to West Bengal	Botany	2020	30th August, 2020	State Level	10-15
3	Resent Trends in Physics	Physics	2018	28 th November, 2018	National	16-18
4	Future Trends and Career with Physics	Physics	2020	12 th July, 2020	International	19-23
5	Online Workshop on Mathematica	Physics	2021	28/01/2021 to 31/01/2021	National	24-30
6	MATHEMATICS AND ITS APPLICATION	Mathematics	2020	10/10/2020	International	31-35
7	BIOTERRORISM: Preparedness and Response	Microbiology	2022	11 th March, 2022	State Level	36-38
8	Studies on seed borne micro flora associated with oil seed (mustard) and Cereal crop (Rice) of Indo Gangetic area and their ecofriendly management	Microbiology	2022	30 th April, 2022	State Level	39-41
9	ONLY ONE EARTH, Local intervention on Climate Change on Earth.	Microbiology	2022	6 th June, 2022	National level	42-46
10	Literacy Mission" in Microbiology: Higher Studies and Career Opportunity in Microbiology after Class 12	Microbiology	2022	14 th September, 2022	State level	47-50



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Department of Botany:

1. Report of the International Webinar on “Neoteric approaches in applied sciences” jointly organized by UG & PG Department of Botany and Department of Physics Darjeeling Govt. College, Darjeeling on the 24th & 25th August, 2020:

Aims:

- To provide a platform for researchers, scientists, and practitioners from diverse fields of applied sciences to share their latest research findings and innovative approaches
- To foster interdisciplinary collaboration and knowledge exchange across various branches of applied sciences.
- To highlight the significance of neoteric approaches in addressing contemporary challenges in the field of applied sciences.
- To inspire and motivate young researchers and students to delve deeper into the realm of applied sciences and contribute to its advancement.
- To promote the role of applied sciences in sustainable development, societal wellbeing, and economic growth.

Objectives:

- To present groundbreaking research on novel and emerging technologies in applied life sciences, such as:
 - Biomedical and translational sciences
 - Biotechnology and bioengineering
 - Environmental biotechnology
 - Food science and technology
 - Pharmaceutical and medical sciences
- To explore the practical applications of these technologies in addressing real-world challenges, including:
 - Disease diagnosis and treatment
 - Food security and sustainability
 - Environmental conservation and remediation
 - Healthcare and drug development
- To identify emerging trends and future directions in applied life sciences research and development
- To foster interdisciplinary collaborations by bringing together researchers from diverse fields, such as:



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- Biology
 - Chemistry
 - Engineering
 - Computer science
- To promote knowledge exchange and stimulate innovation in the field.
 - To provide a professional development opportunity for participants to enhance their skills and stay abreast of the latest developments in their respective fields.
 - To facilitate networking opportunities among participants and foster collaborations for joint research projects.
 - To showcase the expertise and research capabilities of the Departments of Botany and Physics, Darjeeling Government College, and their contributions to the field of applied sciences.

Outcomes:


Groundbreaking Research Dissemination: The webinar witnessed the presentation of cutting-edge research on novel and emerging technologies in applied life sciences. Experts from diverse fields shared their latest findings on computational biology, translational science, secondary metabolite synthesis and metabolic engineering, nanomedical science, bioinformatics; their implications and perspectives. The discussion highlighted the potential of these technologies to address critical global challenges.

Interdisciplinary Collaboration: The event brought together researchers from various disciplines, fostering a vibrant exchange of ideas and knowledge. This interdisciplinary approach, encompassing biology, chemistry, engineering, and computer science, proved crucial in identifying innovative solutions to real-world problems.

Addressing Real-World Challenges: Participants explored practical applications of emerging technologies in tackling multifaceted issues such as disease diagnosis and treatment, food security and sustainability, environmental conservation, remediation, healthcare and drug development. The discussion emphasized the role of applied sciences in creating a more sustainable and equitable future.

Emerging Trends and Future Directions: The webinar identified key emerging trends and future directions in applied life sciences research and development. This forward-looking approach spurred discussion on the potential of collaborative research and ongoing innovation in the field.

Professional Development and Knowledge Exchange: The webinar provided a valuable platform for professional development, allowing participants to enhance their skills and stay


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current with the latest advances in their respective fields. It also promoted knowledge exchange, fostering a culture of collaboration and continuous learning.

Inspiration for Young Researchers: The event served as a source of inspiration for young researchers and students, encouraging them to explore the exciting field of applied sciences and contribute to its advancement. The webinar demonstrated the potential of these disciplines to have a significant impact on the world.

Overall Impact:

The International Webinar on 'Neoteric Approaches in Applied Sciences' fostered a collaborative environment conducive to innovation and knowledge exchange. It highlighted the critical role of applied sciences in addressing global challenges and driving sustainable development. The event's success sets the stage for continued collaboration and research in this vital field, ensuring a brighter and more sustainable future. The event also focused on identifying emerging trends and future directions in applied life sciences research and development. By bringing together researchers from diverse fields such as biology, engineering, computer science and bioinformatics, the webinar fostered interdisciplinary collaborations and promoted knowledge exchange, thereby stimulating innovation in the field.

Conclusion

In conclusion, the International Webinar on 'Neoteric Approaches in Applied Sciences,' jointly organized by the UG & PG Department of Botany and the Department of Physics at Darjeeling Govt. College, Darjeeling, was a successful and enriching event that brought together researchers, scientists, and practitioners from diverse fields of applied sciences. The webinar aimed to provide a platform for sharing the latest research findings, fostering interdisciplinary collaboration and knowledge exchange, and highlighting the significance of neoteric approaches in addressing contemporary challenges. The webinar achieved its aims by presenting groundbreaking research on novel and emerging technologies in applied life sciences, exploring their practical applications in addressing realworld challenges, identifying emerging trends and future directions, and fostering interdisciplinary collaborations. Furthermore, the webinar promoted the role of applied sciences in sustainable development, societal well-being, and economic growth. The discussions and presentations highlighted the potential of these novel and emerging technologies to address critical issues such as disease diagnosis and treatment, food security and sustainability, environmental conservation and remediation, and healthcare and drug


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development. Moreover, the webinar provided a professional development opportunity for participants to enhance their skills and stay abreast of the latest developments in their respective fields. The interactive Q&A sessions, panel discussions, and networking opportunities allowed participants to engage in meaningful dialogues, exchange ideas, and build relationships with their peers. Overall, the Webinar was a successful event that inspired and motivated young researchers and students to delve deeper into the realm of applied sciences and contribute to its advancement. The webinar fostered interdisciplinary collaboration, knowledge exchange, and innovation, promoting the significance of neoteric approaches in addressing contemporary challenges in the field of applied sciences. The event served as a testament to the power of collaboration, innovation, and knowledge exchange in driving progress and addressing critical issues in our world today.

**INTERNATIONAL WEBINAR
ON
NEOTERIC
APPROACHES IN
APPLIED SCIENCES**

24th & 25th August, 2020

JOINTLY ORGANIZED BY
**UG & PG DEPARTMENT OF BOTANY
& DEPARTMENT OF PHYSICS**
IN COLLABORATION WITH
INTERNAL QUALITY ASSURANCE CELL
**DARJEELING
GOVERNMENT COLLEGE**
DARJEELING, WEST BENGAL, INDIA

Day 1 (24th August, 2020)

Time: 4.00 pm- 4.45 pm (IST)	Time: 5.00 pm- 5.45 pm (IST)
Dr. Subarna Thakur Assistant Professor & Head Department of Bioinformatics, University of North Bengal, West Bengal, India	Dr. Semanti Ghosh DBT Research Associate Crystallography & Molecular Biology Division, Saha Institute of Nuclear Physics, Kolkata, West Bengal, India
<i>Topic: Bioinformatics Tools and Databases in Microbial Research</i>	<i>Topic: An Overview of Computational Biology</i>

Online platforms

Click here **Free Registration
link**

Registration deadline:
22nd August, 2020; 5.00 pm (IST)

Who can attend?
UG & PG students, research scholars, teachers from
all kinds of academic institutions.

- Registration is mandatory for participation.
- Instructions and the meeting link will be shared with the participants through email/ WhatsApp.
- E-certificate will be issued to the registered participants only after successful filling up of feedback form.

Contact e-mail: souvikmitra1687@yahoo.com

Day 2 (25th August, 2020)

Time: 9.15 am- 10.00 am (IST)	Time: 10.30 am- 11.30 am (IST)
Dr. Barunava Patra Scientist II Kentucky Tobacco Research & Development Center (KTRDC), University of Kentucky, Lexington, USA	Prof. (Dr.) Samir Kumar Pal Senior Professor Department of Chemical, Biological & Macromolecular Sciences, S.N. Bose National Centre for Basic Sciences, Kolkata, India
<i>Topic: Regulation of Secondary Metabolite Biosynthesis in Plant and Metabolic Engineering</i>	<i>Topic: Application-driven Basic Research for the Development of Indigenous Scientific Devices and Nanomedicines for Our Country</i>

ORGANIZING COMMITTEE

Patron: Dr. Projjwal Chandra Lama, Officer-in-Charge, Darjeeling Govt. College
Jt. Conveners: Dr. Souvik Mitra, Assistant Professor & Head, UG & PG Dept. of Botany
Kripasindhu Kumar, Assistant Professor & Head, Dept. of Physics
Chief advisor: Goutam Dey, Assistant Prof., K.J.R. Govt. Gen. Degree College, Mejia
Organizing Committee Members: Dr. Arghya Ghosh, Dr. Subhojit Ojha, Dr. Kishor
Biswas, Dr. Samir Halder, Dr. Soumya Chatterjee, Mr. Chandan Naskar,
Mr. Satyam Tamang, Dr. Rohini Lama, Dr. Archan Bhattacharya, Mr. Sallish K.
Gupta, Dr. Ekramul Kabir, Md. Saniul Haque, Md. Hasanujjaman, Ms. Priitha
Chaudhuri, Dr. Sachina Yonzon, Ms. Sulakana Baraily, Mrs. Sangeeta Thapa,
Mrs. Pasang D. Sherpa, Mrs. Reena Pradhan, Mrs. Insha Gurung, Mrs. Sushma
Thapa, Ms. Vasundhara Tamang.

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Goutam Dey <gdeyhmc@gmail.com>

International webinar on Future Trends and Career with Physics

4 messages

gdeyhmc@gmail.com <gdeyhmc@gmail.com> Sun, Jul 12, 2020 at 12:18 AM

Reply-To: gdeyhmc@gmail.com
To: natalia.lemarquis@gmail.com, abhitudi@gmail.com, gdeyhmc@gmail.com, shreya.sarkar@community.isunet.edu, Anindya Bose <abose@phys.buruniv.ac.in>, shreyasarkar.gnss@gmail.com, uttlyasarkar@gmail.com

Respected speaker,
you are cordially invited to join the webinar @ 13:30 IST or @ 10:00 CEST on 12th July, 2020 through the link mentioned in this e-mail . The sequence of your talk will be according to the serial number in the flyer. On behalf of Darjeeling Govt. College, Darjeeling I am requesting you to deliver your valuable speech for our students, researchers, colleague and Friends.
Waiting for the meeting.....

Thanking you.....

Goutam Dey
Convenor
HOD, Dept. of Physics
Darjeeling Govt. College
Darjeeling, West Bengal
WA number: +91- 9476313551
India, 734101

International webinar on Future Trends and Career with Physics

When Sun Jul 12, 2020 1:30pm – 3:45pm India Standard Time - Kolkata
Joining info Join with Google Meet
meet.google.com/vran-zbru-nib
Who • gdeyhmc@gmail.com - organizer

Anindya Bose <abose@phys.buruniv.ac.in> Sun, Jul 12, 2020 at 12:49 AM

To: Goutam Dey <gdeyhmc@gmail.com>

Thanks a lot.

REgards,

Anindya Bose
[Quoted text hidden]
--

Dr Anindya BOSE
Department of Physics, Burdwan University
Golapbag, Burdwan 713 104, INDIA

M: +91 6295766760/ 9434004478 FAX: +91 342 2530 452 (W)
E: abose@phys.buruniv.ac.in (W); anibose@yahoo.com (H)
W: <https://bugnss.in>; <http://buruniv.ac.in>

Tweeter: @dranibose; @IndiaGnss

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Invitation Letter

Date: 10/08/2020

To,
Dr. Subarna Thakur,
Assistant Professor & Head,
Department of Bioinformatics,
University of North Bengal,
West Bengal, India

Dear Madam,

It is our great pleasure to inform you that UG & PG Department of Botany, Darjeeling Govt. College, in collaboration with Internal Quality Assurance Cell (IQAC) is going to organize an International Webinar on "Neoteric Approaches in Applied Sciences" on 24th and 25th August, 2020.

We are pleased to invite you as an honorable speaker in this webinar. Your expertise and experience in this field will enrich our program.

With regards,

Yours truly,

Dr. Prajijwal Chandra Lama
Office-in-charge
Darjeeling Government College
Officer-in-Charge
Darjeeling Govt. College

Invitation Letter

Date: 10/08/2020

To,
Dr. Barunva Patra,
Scientist II,
Kentucky Tobacco Research &
Development Centre (KTRDC),
University of Kentucky,
Lexington, USA

Dear Sir,

It is our great pleasure to inform you that UG & PG Department of Botany, Darjeeling Govt. College, in collaboration with Internal Quality Assurance Cell (IQAC) is going to organize an International Webinar on "Neoteric Approaches in Applied Sciences" on 24th and 25th August, 2020.

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With regards,

Yours truly,

Dr. Prajijwal Chandra Lama
Office-in-charge
Darjeeling Government College
Officer-in-Charge
Darjeeling Govt. College

Invitation Letter

Date: 10/08/2020

To,
Prof. (Dr.) Samir Kumar Pal,
Senior Professor,
Department of Chemicals Biological &
Macromolecular Sciences, S.N. Bose National
Centre for Basic Sciences,
Kolkata, India

Dear Sir,

It is our great pleasure to inform you that UG & PG Department of Botany, Darjeeling Govt. College, in collaboration with Internal Quality Assurance Cell (IQAC) is going to organize an International Webinar on "Neoteric Approaches in Applied Sciences" on 24th and 25th August, 2020.

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With regards,

Yours truly,

Dr. Prajijwal Chandra Lama
Office-in-charge
Darjeeling Government College
Officer-in-Charge
Darjeeling Govt. College

Invitation Letter

Date: 10/08/2020

To,
Dr. Semanti Ghosh
DBT Research Associate,
Crystallography & Molecular Biology Division,
Saha Institute of Nuclear Physics,
Kolkata, West Bengal, India

Dear Madam,

It is our great pleasure to inform you that UG & PG Department of Botany, Darjeeling Govt. College, in collaboration with Internal Quality Assurance Cell (IQAC) is going to organize an International Webinar on "Neoteric Approaches in Applied Sciences" on 24th and 25th August, 2020.

We are pleased to invite you as an honorable speaker in this webinar. Your expertise and experience in this field will enrich our program.

With regards,

Yours truly,

Dr. Prajijwal Chandra Lama
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Darjeeling Government College
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INTERNATIONAL WEBINAR
On
Neoteric Approaches in Applied Sciences

Certificate

This is to certify that Prof./Dr./Mr./Miss/Mrs.....*Dr. Semanti Ghosh*.....DBT Research Associate, Crystallography and Molecular Biology Division, Saha Institute of Nuclear Physics, Kolkata, West Bengal has participated in the State level Seminar on “**Neoteric Approaches in Applied Sciences**” organized by UG and PG department of Botany and Department of Physics, Darjeeling Government College in collaboration with Internal quality Assurance Cell Darjeeling, on 24th and 25th August , 2020, at 4:00pm to 6:00pm (IST) has delivered a talk on *An Overview of Computational Biology*.

[Signature]
Convener 25/8/20

[Signature]
Co-ordinator, IQAC & Organizing Secretary
Coordinator
IQAC
Darjeeling Government College
Darjeeling

[Signature]
Principal 25/8/2020
Officer-in-Charge
Darjeeling Govt. College



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DARJEELING, WEST BENGAL, INDIA-734101

INTERNATIONAL WEBINAR
On
Neoteric Approaches in Applied Sciences

Certificate

This is to certify that Prof./Dr./Mr./Miss/Mrs.....*Dr. Samir Kumar Pal*.....Senior Professor Of Chemical, Biological and Macromolecular Sciences, S.N. Bose National Centre for Basic Sciences, has participated in the State level Seminar on “**Neoteric Approaches in Applied Sciences**” organized by UG and PG department of Botany and Department of Physics, Darjeeling Government College in collaboration with Internal quality Assurance Cell Darjeeling, on 24th and 25th August , 2020, at 4:00pm to 6:00pm (IST) has delivered a talk on *Application-driven Basic Research for the Development of Indigenous Scientific Devices and Nanomedicine for our Country*.

[Signature]
Convener 25/8/20

[Signature]
Co-ordinator, IQAC & Organizing Secretary
Coordinator
IQAC
Darjeeling Government College
Darjeeling

[Signature]
Principal 25/8/2020
Officer-in-Charge
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INTERNATIONAL WEBINAR
On
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This is to certify that Prof./Dr./Mr./Miss/Mrs.....*Dr. Barunava Patra*..... Scientist II , Kentucky Tobacco Research and Development Centre, University of Kentucky, Lexington, USA has participated in the State level Seminar on "Neoteric Approaches in Applied Sciences" organized by UG and PG department of Botany and Department of Physics, Darjeeling Government College in collaboration with Internal quality Assurance Cell Darjeeling, on 24th and 25th August , 2020, at 4:00pm to 6:00pm (IST) has delivered a talk on *Regulation of Secondary Metabolite Biosynthesis in Plants and Metabolic Engineering.*

[Signature]
Convener

[Signature]
Co-ordinator, IQAC & Organizing Secretary
Coordinator
IQAC
Darjeeling Government College
Darjeeling

[Signature]
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INTERNATIONAL WEBINAR
On
Neoteric Approaches in Applied Sciences

Certificate

This is to certify that Prof./Dr./Mr./Miss/Mrs.....*Dr. Subarna Thakur*.....Assistant Professor Of Department of Bioinformatics, University of North Bengal has participated in the State level Seminar on "Neoteric Approaches in Applied Sciences" organized by UG and PG department of Botany and Department of Physics, Darjeeling Government College in collaboration with Internal quality Assurance Cell Darjeeling, on 24th and 25th August , 2020, at 4:00pm to 6:00pm (IST) has delivered a talk on *Bioinformatics Tools and Databases in Microbial Research.*

[Signature]
Convener

[Signature]
Co-ordinator, IQAC & Organizing Secretary
Coordinator
IQAC
Darjeeling Government College
Darjeeling

[Signature]
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2. Report of the One-Day State Level Webinar on “**Emerging Bio-based Industrial Sectors and Job Prospects: Indian Scenario with Special Reference to West Bengal**” Organized by UG & PG Department of Botany, Darjeeling Govt. College, Darjeeling in collaboration with Internal Quality Assurance Cell (IQAC) on the 30th August, 2020:

Aims:

- To foster an understanding of the potential and value of bio-based industrial sectors in India, with a specific focus on West Bengal.
- To explore the latest advancement and innovations in bio-based products and technologies
- To highlight the job prospects and career opportunities emerging in the bio-based industry

Objectives:

- Disseminate knowledge about the emerging bio-based industrial sectors, including biotechnology, biopharmaceuticals, bioenergy, and biomaterials.
- Showcase successful case studies, and examples where bio-based technologies have been implemented and utilized effectively.
- Identify specific opportunities and challenges for the development of bio-based industries in West Bengal.
- Facilitate interactions between researchers, industry experts, policymakers, and students to promote collaboration and innovation.
- Provide a platform for discussion on strategies and policies for promoting growth and investment in the bio-based sector.
- Inspire young scientists and students to pursue careers in bio-based industries and contribute to the advancement of this field in India.

Outcomes:

- **Enhanced awareness and understanding:** Participants gained a comprehensive understanding of the potential, scope, and value of bio-based industrial sectors in India. A specific focus on West Bengal highlighted regional opportunities and challenges.
- **Explorations of innovations:** Presentations showcased the latest advancements and innovations in bio-based products and technologies. Examples of successful implementations provided practical insights into the application of bio-based solutions.
- **Job prospects and career opportunities:** The webinar highlighted the growing job prospects and career opportunities emerging in the bio-based industry. Speakers shared



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their experiences and insights on the skills and qualifications required for success in this field.


- **Collaboration and innovations:** The webinar facilitated interactions between researchers, industry experts, policymakers, and students. This platform fostered collaboration, knowledge exchange, and innovation in the bio-based sector.
- **Policy and strategy discussions:** Discussion on policies and strategies for promoting growth and investment in the bio-based sector were held. Participants provided valuable input to shape future policy and decision-making in this area.
- **Inspiration for young minds:** The webinar inspired young scientists and students to consider careers in bio-based industries. It emphasized the importance of research, education, and innovation in driving the advancement of this field in India.

Other key outcomes:

- Dissemination of research findings and best practices in bio-based technologies.
- Identification of key areas for future research and development.
- Establishment of networks and collaborations between institutions and organisations involved in bio-based industries.

Conclusion:

The one-day state-level webinar on 'Emerging Bio-based Industrial Sectors and Job Prospects: Indian Scenario with Special Reference to West Bengal,' organized by the Department of Botany, Darjeeling Government College, Darjeeling, concluded with a resounding call for action. Participants, ranging from industry experts to aspiring students, emerged energized by the insightful discussions and the vast potential showcased by the bio-based sector. The presentations, highlighting innovative technologies and their application in diverse industries from biofuels and bioplastics to pharmaceuticals and nutraceuticals, underscored the sector's significant contribution to a sustainable future. The focus on West Bengal presented a compelling case for the state's immense potential in bio-based industries, especially given its rich biodiversity and abundant agricultural resources. The discussion on job prospects ignited optimism, with experts emphasizing the need for skilled labour and research-driven collaborations, offering a blueprint for building a thriving bio-based economy. The webinar, not only served as a platform for knowledge dissemination, but also catalyzed a critical conversation about the future of sustainable development, emphasizing the crucial role of education and research in driving progress in the bio-based sector. It was a testament to the commitment of the Department of Botany, Darjeeling Government College, in creating a platform for dialogue and action, paving the way for a brighter and greener future.


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DARJEELING GOVERNMENT COLLEGE
UG & PG DEPARTMENT OF BOTANY
IN COLLABORATION WITH
INTERNAL QUALITY ASSURANCE CELL
IS ORGANIZING

ONE DAY STATE LEVEL WEBINAR
ON
**EMERGING BIO-BASED INDUSTRIAL SECTORS & JOB PROSPECTS : INDIAN
SCENARIO WITH SPECIAL REFERENCE TO WEST BENGAL**

SPEAKERS



Dr. Shaswat Ojha
Diatek Healthcare Pvt. Limited
Dankuni, West Bengal

*Topic: In-vitro diagnostics:
Indian scenario and related
job prospects.*



Mr. Sujay Mukherjee
Pallishree Limited,
Arambagh, West Bengal

*Topic: Present day trends of
commercial horticulture with
special reference to career
options.*

30th August, 2020
[3.00- 5.00 pm(IST)]

Online platform 

ORGANIZING COMMITTEE

Patron: Dr. Projjwal Chandra Lama,
Officer-in-Charge, Darjeeling Govt.
College

Convener: Dr. Souvik Mitra,
Assistant Professor & Head, UG &
PG Dept. of Botany

Chief advisor: Goutam Dey,
Assistant Professor, K.J.R. Govt.
Gen. Degree College, Mejia

Organizing Committee Members:
Dr. Arghya Ghosh, Dr. Subhojit
Ojha, Dr. Kishor Biswas, Dr. Samir
Halder, Dr. Soumya Chatterjee, Mr.
Chandan Naskar, Mr. Satyam
Tamang, Dr. Rohini Lama, Dr.
Archan Bhattacharya, Dr. Sachina
Yonzone, Ms. Sulaxana Baraily, Mrs.
Sangeeta Thapa, Mrs. Pasang D.
Sherpa, Mrs. Reena Pradhan, Mrs.
Insha Gurung, Mrs. Sushma Thapa,
Ms. Vasundhara Tamang.

- > Registration is mandatory for participation.
- > Instructions and the webinar link will be shared with the participants through registered e-mail/ WhatsApp.
- > E-certificate will be issued to the registered participants only after obtaining duly filled feedback form.

Click here  [**Free
Registration link**](#)

Registration deadline:
29th August, 2020; 5.00 pm (IST)

UG & PG students can attend.
Research scholars are also
welcome.

Contact e-mail: souvikmitra1687@yahoo.com



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Memo No.

Date : 14/08/2020

Invitation Letter

Date: 14/08/2020

To,
Dr. Shaswat Ojha
Diatek Healthcare, Pvt. Limited
Dankuni, West Bengal

Dear Sir,

It is our great pleasure to inform you that UG & PG Department of Botany, Darjeeling Govt. College, in collaboration with Internal Quality Assurance Cell (IQAC) is going to organize State Level Webinar on "Emerging Bio-based Industrial Sectors & Job Prospects: Indian Scenario with special reference to West Bengal" on 30th August, 2020, at 3:00 pm.

We are pleased to invite you as an honorable speaker in this seminar. Your expertise and experience in this field will enrich our program.

With regards,

Yours truly,

Dr. Prajjawal Chandra Lama
Office-in-charge
Darjeeling Government College

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Darjeeling - 734 101, West Bengal, INDIA.

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Email : dgc.principal@gmail.com

Memo No.

Date : 14/08/2020

Invitation Letter

Date: 14/08/2020

To,
Mr. Sujay Mukherjee
Pallishree Limited,
Arambag, West Bengal

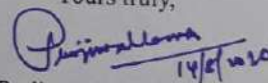
Dear Sir,

It is our great pleasure to inform you that UG & PG Department of Botany, Darjeeling Govt. College, in collaboration with Internal Quality Assurance Cell (IQAC) is going to organize State Level webinar on "Emerging Bio-based Industrial Sectors & Job Prospects: Indian Scenario with special reference to West Bengal" on 30th August, 2020, at 3:00 pm.


We are pleased to invite you as an honorable speaker in this seminar. Your expertise and experience in this field will enrich our program.

With regards,

Yours truly,


14/8/2020

Dr. Prajjawal Chandra Lama
Office-in-charge
Darjeeling Government College
Officer-in-Charge
Darjeeling Govt. College


Officer-in-Charge
Darjeeling Govt. College





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DARJEELING GOVERNMENT COLLEGE
DARJEELING, WEST BENGAL, INDIA-734101

State level Seminar
On
Emerging Bio-based Industrial Sectors and Job Prospects: Indian Scenario with special reference to West Bengal

Certificate

This is to certify that Prof./Dr./Mr./Miss/Mrs.....*Shaswat Ojha*.....has participated in the State level Seminar on "Emerging Bio-based Industrial Sectors and Job Prospects: Indian Scenario with special reference to West Bengal" organized by the Darjeeling Government College, UG and PG department of Botany in collaboration with Internal quality Assurance Cell Darjeeling, on 30th August , 2020, at 3:00 to 5:00pm (IST) and has delivered a talk on *In- vitro diagnostics: Indian Scenario and related job prospects.*

[Signature]
Convener
Head
UG & PG Department of Botany
Darjeeling Govt. College
Darjeeling- 734101

[Signature]
Co-ordinator, IQAC & Organizing Secretary
Coordinator
IQAC
Darjeeling Government College
Darjeeling

[Signature]
Principal
Officer-in-Charge
Darjeeling Govt. College



DARJEELING GOVERNMENT COLLEGE
DARJEELING, WEST BENGAL, INDIA-734101

State level Seminar
On
Emerging Bio-based Industrial Sectors and Job Prospects: Indian Scenario with special reference to West Bengal

Certificate

This is to certify that Prof./Dr./Mr./Miss/Mrs.....*Sujay Mukherjee*.....has participated in the State level Seminar on "Emerging Bio-based Industrial Sectors and Job Prospects: Indian Scenario with special reference to West Bengal" organized by the Darjeeling Government College, UG and PG department of Botany in collaboration with Internal quality Assurance Cell Darjeeling, on 30th August , 2020, at 3:00 to 5:00pm (IST) and has delivered a talk on *present day trends of commercial horticulture with special refrence to career options.*

[Signature]
Convener
Head
UG & PG Department of Botany
Darjeeling Govt. College
Darjeeling- 734101

[Signature]
Co-ordinator, IQAC & Organizing Secretary
Coordinator
IQAC
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Department of Physics:

1. Report of the one day national seminar on “Resent Trends in Physics” organized by Dept. of Physics, Darjeeling Govt. College sponsored by SNBNCBS, Kolkata at Darjeeling Govt. College on 28th November, 2018.

With the financial assistance from S N Bose National Centre for Basic Sciences. Kolkata, department of Physics of Darjeeling Govt College has organised a one-day seminar on Recem Trends in Physics as a part of outreach program on the auspicious occasion of 125° birth anniversary of Prol. S N. Bose Prof. Goutam Dey. HOD of departinent of Physics, Darjeeling Govt. College has acted as convener of the program. Prof. Sailesh Kumar Gupta, Prof. Md Sariul Haque, Prof. Md Hasanujjaman, Prof. Ekramul Kabir and Prof. Pritha Chaudhuri also acted as members of seminar committee for this seminar. Three invited speakers delivered their talks on the main theme of the seminar with one hour duration each. Dr. Abhijit Chakrabarty. Associate Professor, Department of Physics. BU gave his speech on "Legacy of Prof. S.N. Bose Dr Somenath Dey. Assistant Professor of Physics, Govt. General Degree College, Salboni gave his speech on "Applying X-ray Diffraction Profile Model in Material Analysis" Dr. Archan S. Majumdar, Senior Professor, Dean (Faculty). SNBNCBS. Kolkata gave his speech on "Recent Trends in Quantum Information". All the students of department of Physics, Chemistry and Mathematics participated in the program. Interested teaching faculties of other departments also participated in the program, Total number of participants was 75. There was no registration fee for attending the program. The program was started with the welcome address by the convener of the program and respected officer-in-charge, Darjeeling Govt. College, Dr. Prajjal Chandra Lama. The inaugural session was chaired by our esteemed speakers, respected officer-in-charge, respected co-ordinator, IQAC, Dr. Willey Henry and convener of the seminar committee of Darjeeling Govt. College. Dr. Sujata Rani Rai The participants interacted with the speakers with some interesting questions, They all enjoyed all the speeches. Students were enriched with the contents of all the invited talks. During the program there was a small tea break and a lunch break. The organizers maintained the quality of food and refreshments very well. The program ended with valediction session and participation certificates were handed over to all the participants. It was a successful program at the end of the day.

Convener

Countersigned

**Principal / Officer-in-Charge
Darjeeling Government College
Officer-in-Charge
Darjeeling Govt. College**



**Officer-in-Charge
Darjeeling Govt. College**





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On the Auspicious Occasion of 125th Birth Anniversary
of Prof. S.N. Bose
One-Day SEMINAR **BOSE 125th**
on
RECENT TRENDS IN PHYSICS
28th November, 2018

VENUE: Prof. Lalita Rai Ahmed Memorial Hall

ORGANISED BY
DARJEELING GOVT. COLLEGE

SPONSORED BY
S N BOSE NATIONAL CENTRE
FOR BASIC SCIENCES


Officer-in-Charge
Darjeeling Govt. College





Utilisation Certificate

Seminar organised by department of Physics, Darjeeling Govt. College with financial assistant from S N Bose National Centre for Basic Sciences, Kolkata on 28th November, 2018.

Total Fund: Rs. 30,000/-

Expenditure:

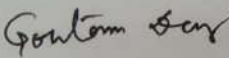
Food and Tea: Rs. 23,000/-

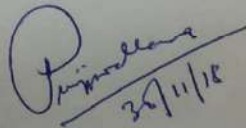
Advertisement and Printing: Rs. 2000/-

TA of speakers : Rs. 4000/-

Decoration and Gift: Rs. 2000/-

Total: Rs. 31,000/-


Prof. Goutam Dey
Convenor


Dr. Prajjal Chandra Lama
Officer-in-Charge
Darjeeling Government College
Darjeeling



2. Report of the one day International Webinar on “Future Trends and Career with Physics” organized by Dept. of Physics, Darjeeling Govt. College on 12th July, 2020.

INTERNATIONAL WEBINAR
On
FUTURE TRENDS AND CAREER WITH PHYSICS

12th July, 2020
13:30 IST

Meeting Link will be shared just day before webinar

Free Registration link:
<https://forms.gle/kjkcL7ALqdPLoW6>

Speakers

<p>1. Natalia Lemarquis Mentor at UNOOSA SpaceWomen network, Technical Project Manager at In-Space Mission Ltd., Founder of SPACE CHAT'S & MSS 20 Candidate, International Space University, France.</p>		<i>Topic: Space Career- how to start it and how to plan it?</i>
<p>2. Dr. Anindya Bose Senior Scientific Officer, GNSS Laboratory Burdwan (GLB), Department of Physics, The University of Burdwan, Burdwan, West Bengal, India</p>		<i>Topic: nCOVID-19: Challenges in Education and the road ahead</i>
<p>3. Dr. Abhijit Chakrabarty Associate Professor, Department of Physics, The University of Burdwan, Burdwan, West Bengal, India</p>		<i>Topic: Importance of Studies Interdisciplinary Subjects</i>
<p>4. Uttiya Sarkar Researcher, CERN & SRF, TIFR, Mumbai, India</p>		<i>Topic: Holding together in a Large Collaboration</i>
<p>5. Dr. Shreya Sarkar MSS 20 Candidate, International Space University, France & Researcher, GNSS Laboratory, Department of Physics, The University of Burdwan, West Bengal, India</p>		<i>Topic: Benefits and Challenges of working in an international team</i>

Dr. P. C. Laha, OIC
ChairpersonGoutam Dey, HOD
Co-Chairman



**Government of West Bengal
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Goutam Dey <gdeyhmc@gmail.com>

International webinar on Future Trends and Career with Physics

4 messages

gdeyhmc@gmail.com <gdeyhmc@gmail.com> Sun, Jul 12, 2020 at 12:18 AM

Reply-To: gdeyhmc@gmail.com
To: natalia.lemarquis@gmail.com, abhitusi@gmail.com, gdeyhmc@gmail.com, shreya.sarkar@community.isunet.edu, Anindya Bose <abose@phys.buruniv.ac.in>, shreyasarkar.gnss@gmail.com, uttiyasarkar@gmail.com

Respected speaker,
you are cordially invited to join the webinar @ 13:30 IST or @ 10:00 CEST on 12th July, 2020 through the link mentioned in this e-mail . The sequence of your talk will be according to the serial number in the flyer. On behalf of Darjeeling Govt. College, Darjeeling I am requesting you to deliver your valuable speech for our students, researchers, colleague and Friends.
Waiting for the meeting.....

Thanking you.....

Goutam Dey
Convenor
HOD, Dept. of Physics
Darjeeling Govt. College
Darjeeling, West Bengal
WA number: +91- 9476313551
India, 734101

International webinar on Future Trends and Career with Physics

When Sun Jul 12, 2020 1:30pm – 3:45pm India Standard Time - Kolkata
Joining info Join with Google Meet
meet.google.com/ran-zbru-nib
Who • gdeyhmc@gmail.com - organizer

Anindya Bose <abose@phys.buruniv.ac.in> Sun, Jul 12, 2020 at 12:49 AM
To: Goutam Dey <gdeyhmc@gmail.com>

Thanks a lot.

REgards,

Anindya Bose
(Quoted text hidden)

Dr Anindya BOSE
Department of Physics, Burdwan University
Golapbag, Burdwan 713 104, INDIA

M: +91 6295766760/ 9434004478 **FAX:** +91 342 2530 452 (W)
E: abose@phys.buruniv.ac.in (W); anibose@yahoo.com (H)
W: <https://bugnss.in>; <http://buruniv.ac.in>

Tweeter: @dranibose; @IndiaGnss

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सत्यमेव जयते

Certificate of Participation

International WEBINAR



on
FUTURE TRENDS AND CAREER WITH PHYSICS

*This is to certify that....Natalia Lemarquis....of...ISU....has actively participated and delivered an invited talk titled “Space Career- how to start it and how to plan it?” in the international webinar on “**FUTURE TRENDS AND CAREER WITH PHYSICS**”, organized by Department of Physics, Darjeeling Government College, Darjeeling, West Bengal, India, on July 12, 2020.*

Dr. Projitwal Chandra Lama
Chairperson

OiC, Darjeeling Govt. College

Uttiya Sarkar
Co-convenor

Doctoral fellow, TIFR Mumbai

Goutam Dey
Convener
Asst. Prof. and HOD, Dept. of Physics
Darjeeling Govt. College

Officer-in-Charge
Darjeeling Govt. College





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Timestamp	Username	Status	Name	Affiliation	WA number
2020/06/22 13:29 AM GMT+5:30	edehene@gmail.com	Faculty	G Dey	DGC	41267312710
2020/06/28 07:36 PM GMT+5:30	uttkarsh@gmail.com	Researcher	UTTIYA SARKAR	Research Scholar	33267912136
2020/06/28 12:03:09 AM GMT+5:30	shreya.sarkar@community.issnet.edu	Researcher	Shreya Sarkar	International Space University	9425482779
2020/07/01 08:58 PM GMT+5:30	edehene@gmail.com	Student	Aloprey Dey	Student, SPA	9433874875
2020/07/01 10:14:12 PM GMT+5:30	tarthakar.choudhury@gmail.com	Faculty	Tarthakar Choudhury	Haldia Government College	9800449856
2020/07/01 10:16:13 PM GMT+5:30	rdcpvpraphy@gmail.com	Faculty	Rajesh Dey	GGDC MANBAZAR 2	9832865455
2020/07/01 10:21:16:24 PM GMT+5:30	samiranondal1@gmail.com	Faculty	Samiran Mandal	Government General Degree College at Pedong	973369663
2020/07/01 10:21:16:24 PM GMT+5:30	rdkeshbhar.mrida@gmail.com	Faculty	RAKESH SARKAR	Assistant Professor, Gour Mahavidyalaya, Mangalbari, Malda	973369663
2020/07/01 10:21:16:24 PM GMT+5:30	smh783.nor@gmail.com	Faculty	DR. SOUGATA MUKHOPADHYAY	Government General Degree College, MANBAZAR II, Purulia	8617424867
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2020/07/01 10:21:16:24 PM GMT+5:30	soumaraman1981@gmail.com	Faculty	Soumya Ranjan Bhattacharyya	Sun Vidyaagar College	8013972956
2020/07/01 10:21:16:24 PM GMT+5:30	mmanurkash.phy@gmail.com	Faculty	Mr. Akhmal Saikh	Govt General Degree College at Pedong	8670384642
2020/07/01 10:21:16:24 PM GMT+5:30	issamsubba.2014@gmail.com	Student	Subham Subba	Darjeeling Govt. College	7319160481
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2020/07/01 10:21:16:24 PM GMT+5:30	srinivasramit@gmail.com	Faculty	AMIT SINGHA ROY	COOCH BEHAR GOVERNMENT ENGINEERING COLLEGE	
2020/07/01 10:21:16:24 PM GMT+5:30	panitoshchandra.nha@gmail.com	Faculty	Dr. Panitosh Chandra Sinha	Rabindra Mahavidyalaya, Hooghly, W.B.	
2020/07/01 10:21:16:24 PM GMT+5:30	smukh4@gmail.com	Faculty	Swagato Mukherjee	State aided	
2020/07/01 10:21:16:24 PM GMT+5:30	akshoog74@gmail.com	Faculty	Aloke Kumar Sinha	Haldia Government College	
2020/07/01 10:21:16:24 PM GMT+5:30	subhojyoti2013@gmail.com	Faculty	Dr. Subhojit Ojha	Darjeeling Government College, Darjeeling, West Bengal, INDIA	
2020/07/01 10:21:16:24 PM GMT+5:30	halderam26@gmail.com	Faculty	Dr. Samir Halder	Darjeeling Government College	
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2020/07/01 10:21:16:24 PM GMT+5:30	sp2620018@gmail.com	Student	Suman patra	Government general degree College, Susunia, Manbazar, Purulia, West Bengal	
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2020/07/01 10:21:16:24 PM GMT+5:30	mahatapramila598@gmail.com	Student	Pramila Mahata	Government General Degree College, Manbazar-II	
2020/07/01 10:21:16:24 PM GMT+5:30	sonmuthchoubey@gmail.com	Faculty	Dr. Sonmuth Choubey	Talangan Mahavidyalaya	
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2020/07/01 10:21:16:24 PM GMT+5:30	abhijitmajhi90@gmail.com	Faculty	Abhijit Majhi	Darjeeling Government College	
2020/07/01 10:21:16:24 PM GMT+5:30	sanatos604@gmail.com	Faculty	Santosh Kumar Sharma	2nd semester physics honours	
2020/07/01 10:21:16:24 PM GMT+5:30	pritha.d.1@gmail.com	Faculty	Pritha Choudhuri	Narikelganga High School (Govt. Span)	
2020/07/01 10:21:16:24 PM GMT+5:30	sambhujitmal@gmail.com	Student	Sambhujit Malo		
2020/07/01 10:21:16:24 PM GMT+5:30	sdphysio@gmail.com	Faculty	Sanjoy Das		



Principals
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Darjeeling Govt. College





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Email : dgc.principal@gmail.com

Table with columns for date, time, email, role, name, institution, and ID. Contains a list of staff members and their details.



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Darjeeling Govt. College





3. Report of the four days national workshop on “**Online Workshop on Mathematica**” organized by Dept. of Physics in collaboration with IQAC, Darjeeling Govt. College on 28/01/2021 to 31/01/2021.

Online Workshop on Mathematica: A Comprehensive Four-Day Journey

Speaker: Dr. Trambak Bhattacharyya

We have arranged a four-day online workshop on Mathematica, led by the esteemed Dr. Trambak Bhattacharyya, a Senior Researcher at Bogoliubov Laboratory of Theoretical Physics (BLTP), Joint Institute for Nuclear Research (JINR), Dubna, Russian Federation since 2018.

This workshop were designed to provide participants with a deep understanding of Mathematica, a powerful computational software used extensively in scientific research, physics, engineering, mathematics, and education.

Topics

Day 1: Introduction to Mathematica and its Interface

- Overview of Mathematica's capabilities
- Navigating the Mathematica interface
- Basic computations and visualizations
- Creating and managing notebooks

Day 2: Symbolic Computation and Algebra

- Manipulating algebraic expressions
- Solving equations and inequalities
- Calculus operations: differentiation and integration
- Matrix operations and linear algebra

Day 3: Data Analysis and Visualization

- Importing and exporting data
- Data manipulation techniques
- Advanced plotting and visualization
- Statistical analysis and probabilistic computations

Day 4: Advanced Topics and Applications

- Programming with Mathematica: loops, functions, and modules
- Introduction to dynamic interactivity and Manipulate function



-
- Applications in physics, engineering, and other sciences
 - Integrating Mathematica with other programming languages and tools

Aim

This workshop aimed to equip participants with the skills and knowledge required to effectively utilize Mathematica for a wide range of computational tasks. Whether you are a student, researcher, or professional, this workshop will help you harness the full potential of Mathematica in your respective fields.

Objectives

1. Understand the Basics: Familiarize participants with the Mathematica interface and its fundamental operations.
2. Master Symbolic Computation: Enable participants to perform complex algebraic and calculus operations.
3. Data Proficiency: Teach methods for data analysis, manipulation, and visualization.
4. Programming Skills: Develop basic programming skills within Mathematica to automate tasks and create dynamic models.
5. Apply Knowledge: Demonstrate practical applications of Mathematica in various scientific and engineering disciplines.


Outcomes

By the end of this workshop, participants will be able to:

1. Confidently Navigate Mathematica: Efficiently use the Mathematica interface to perform a variety of tasks.
2. Perform Advanced Calculations: Handle symbolic computation and algebraic manipulations with ease.
3. Analyze and Visualize Data: Apply data analysis techniques and create insightful visualizations.
4. Automate and Enhance Workflows: Write Mathematica code to automate repetitive tasks and build interactive models.
5. Apply Mathematica in Research and Professional Work: Integrate Mathematica into their academic research or professional projects to solve complex problems more effectively.

This workshop promises a hands-on learning experience with Dr. Trambak Bhattacharyya, whose expertise and teaching style provided valuable insights and practical knowledge. This workshop was fruitful in applying Mathematica in our work, and it was an excellent opportunity to advance our proficiency.






Online Workshop on Mathematica

January 28-31, 2021

Organized by
Department of Physics, Darjeeling Government College



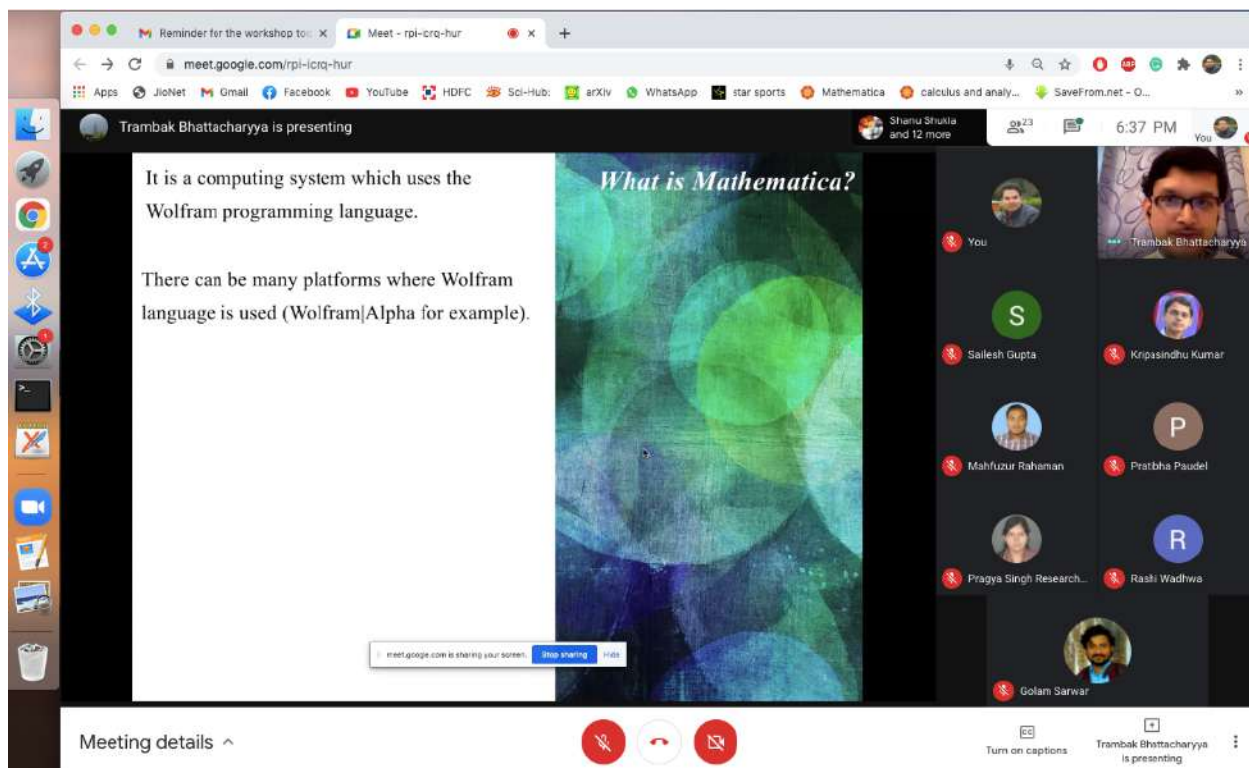
Wolfram Mathematica (usually termed **Mathematica**) is a modern technical computing system spanning most areas of technical computing — including neural networks, machine learning, image processing, geometry, data science, visualizations, and others. The system is used in many technical, scientific, engineering, mathematical, and computing fields. It was conceived by Stephen Wolfram and is developed by Wolfram Research of Champaign, Illinois. The Wolfram Language is the programming language used in Mathematica

About the speaker:
Dr. Trambak Bhattacharyya holds the position of a senior researcher at Bogoliubov Laboratory of Theoretical Physics (BLTP), Joint Institute for Nuclear Research (JINR), Dubna, Russian Federation since 2018. He obtained his Ph. D. degree from Variable Energy Cyclotron Centre (VECC), Kolkata, India in the year 2015. Before joining the JINR, he was a postdoctoral fellow at the Indian Institute of Technology Indore (2014-2016), the University of Cape Town, South Africa (2016-2018), and a visiting academic affiliate at the University of Michigan, Ann Arbor, USA (2018-2018). His area of research is strong interaction physics and relativistic heavy-ion collisions with research interests on heavy quark transport coefficient in quark gluon plasma, effective field theory and application of the Tsallis statistics in high energy collisions.

Committee
Md Hasanujjaman (Convener), Mahfuzur Rahaman
Kripasindhu Kumar, Sailesh Kr. Gupta

Free registration before January 25, 2021
Workshop will be held on Google meet platform at 6.30 pm on workshop days. Each participants will get meeting link on January, 26, 2021.

Registration Link:
https://docs.google.com/forms/d/e/1FAIpQLStEZdT5mzqYo-ze1EJ0XdGFWS05QLuObKKLaOCityITSEMUBA/viewform?usp=sf_link



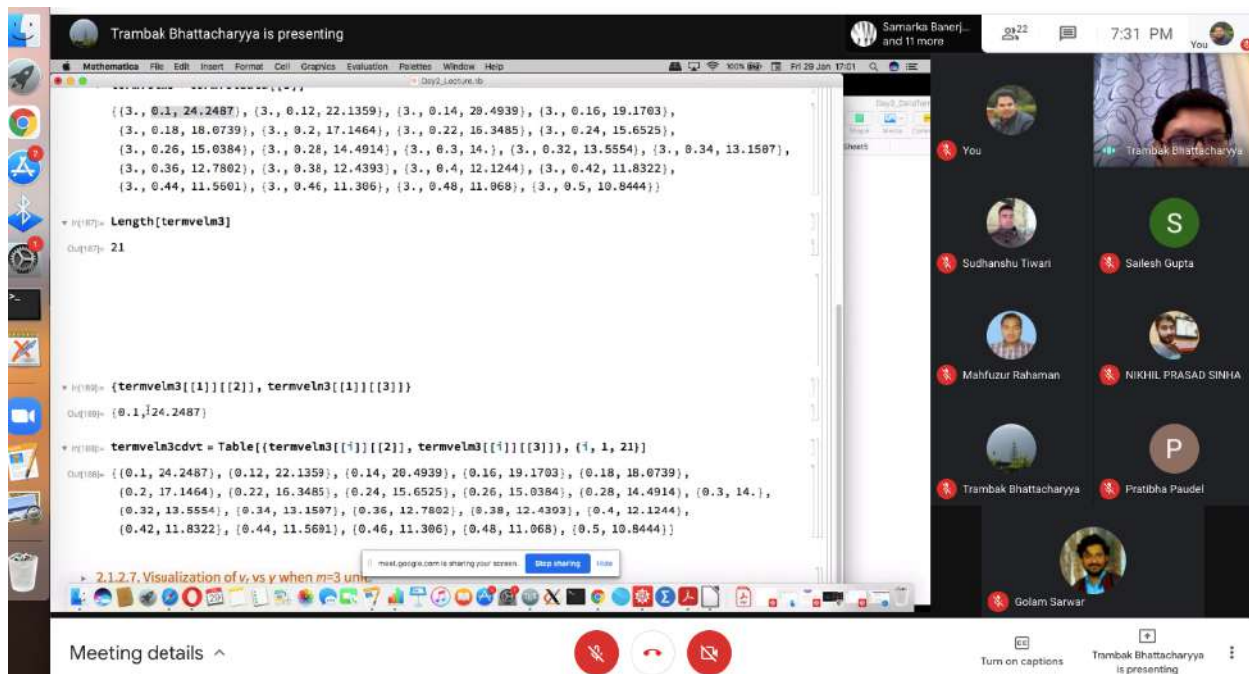
(Signature)
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Darjeeling Government College
Darjeeling-734 101, West Bengal, INDIA**

Phone / Fax: (0354) 2254078
(0354) 2254019
Email : dgc.principal@gmail.com



Figures: Some snapshot of online webinar.
Invitation letter to the expert:

P. Pradyumn
Officer-in-Charge
Darjeeling Govt. College





सत्यमेव जयते

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Darjeeling Government College
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Md Hasanujjaman <jaman.mdh@gmail.com>

Permission for online workshop on Mathematica

2 messages

Md Hasanujjaman <jaman.mdh@gmail.com>

Sun, Jan 3, 2021 at
12:42 PM

To: dgc.principal@gmail.com

Dear Sir,

With due respect, I would like to inform you that we (Department of Physics, Darjeeling Govt. College) are intending to arrange a virtual workshop ("*Online Workshop on Mathematica*") to be held on and from January 28-31, 2021. We have invited Dr. Trambak Bhattacharyya, Senior Researcher at Bogoliubov Laboratory of Theoretical Research, Dubna, Russia and he agreed to deliver the lectures on the workshop.

Therefore, I request you to grant permission for the virtual workshop. The poster of the workshop is attached. Please find the attachment.

Thanking you.

Sincerely yours

Md Hasanujjaman
Asst. Professor of Physics
Darjeeling Govt. College

Workshop.pdf
1256K

Principal Darj.Govt.College

<dgc.principal@gmail.com>

To: Md Hasanujjaman <jaman.mdh@gmail.com>

Mon, Jan 4, 2021 at 12:46
PM

Sir,

Permitted to organised the webinar with Covid-19 protocol.

Pclama

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Certificate of participation

This is to certify that Dr. Trambak Bhattacharyya of Bogoliubov Laboratory of Theoretical Physics (BLTP) has successfully delivered lectures (January 28- 31, 2021) in "Online Workshop on Mathematica", held virtually by Darjeeling Government College, West Bengal, India, between January 28- 31, 2021.



Dr. Projjwal Chandra Lama
(Officer-in-Charge)

Md Hasanujjaman
(Convener)

Officer-in-Charge
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(0354) 2254019
Email : dgc.principal@gmail.com

Attendance sheet

Name	Email	Organization	Position	Purpose to learn Mathematics
Gdram Sankar	gdramanwar190@gmail.com	University of Calicut	Research Scholar	Theoretical Research
SURAJIT SAHA	surajit.saha.chem@gmail.com	Darjeeling Govt College	Faculty member at Resea	To update myself in computer program
Satish Kumar Gupta	satishkg@gmail.com	Darjeeling Govt College	Faculty member at Resea	Interested in learning
Susaja Pradhan	susajapradhan122001@gmail.com	Bajkul, Midam Mahavidy	Graduate student	Knowledge
Ashaji Nath	anath@iitkg@gmail.com	North Eastern Hill Univers	Research Scholar	For analysis.
Soyanka Karimkar	soyankak@gmail.com	University of North Bengal	Graduate student	Necessary for research purposes in physics
Dr. Samir Kumar Bhattacharya	sb24@gmail.com	Bajkul Midam Mahavidy	Faculty member at Resea	To know basic science
Souvik Pal	souvikpal90@gmail.com	Prabha Jagatbandhu Col	Graduate student	To gain knowledge
Debnata Sarkar	debnata2000@gmail.com	Sorangpore College	Graduate student	Interest
CHIKARI MAHARAJ	cm2005maharaj@gmail.com	School Student	Graduate student	A avocation, also a lover myself for Mathematics
Mukesh Pradhan	mukeshphysics@gmail.com	Tribhanga Mahavidyalya	Faculty member at Resea	Very useful tool for advance science, that is why I'm interested
Sreeja R	sreeja.r.mundani@gmail.com	Central University of Tam	Graduate student	To learn a new computational technique which would be useful in future. I am a PG Student of Department of Physics, Burdwan University. I want to learn Wolfram Mathematica since I heard it really helps to solve and analyse physical problems. I think it will be helpful for my future studies
Samarita Banerjee	samarita.jalilata@gmail.com	The University Of Burdwa	Graduate student	
Mohamed Hassan	mohamedhassanmohame	Faculty of Navigation Sci	Faculty member at Resea	To use in geometry, data science and mathematical engineering
Shreya Shasthachjee	an.shreya@gmail.com	Acharya prabhu chandra	Graduate student	Want to enrich knowledge
Biswanaj Datta	dattabiswanaj@gmail.com	MAKAUT, WB (Formerly)	Faculty member at Resea	Learn something New & Gain some Knowledge.
NIRMAL SAUD	saundnirmal05@gmail.com	Central Department of Ph	Graduate student	To learn basic ideas of mathematics
SK TAUSIF PARVEZ	tausif.parvez@gmail.com	Jalpaiguri University	Graduate student	I want to learn Mathematics to solve those problems which are difficult to solve analytically.
THAYAGARAJAN RADHAKRISHNAN	radhakrishnan.thayaga	ALL INDIA RADIO CHEN	Faculty member at Resea	TO ENHANCE MATHEMATICAL KNOWLEDGE
Mitika Ghosh	mitikag196@gmail.com	Sikkim College Auto	Graduate student	I am presently working on nonlinear systems and had to describe my workings graphically, and I know Matlab, GNU Octave, Thus I think learning Mathematica
Bishnu Prasad Sapkota	bishnu_20192103@gmail.com	Sikkim Manipal Institute	Graduate student	To learn new skills
DEBBOJIT RAY CHAUDHURI	raychaudhuri23@gmail.com	INDIAN INSTITUTE OF T	Graduate student	EDUCATIONAL AND RESEARCH PURPOSES
Sarajit Paul	saipaul4@gmail.com	Udampur college	Graduate student	To know basic science properly.
Shreya gupte	shreyagupte201200@gmail.com	Guru nanak dev university	Graduate student	I want to gain more knowledge in this field
Hema Chhibber	chhibberhema123@gmail.com	Guru Nanak Dev Univers	Graduate student	To learn something new
NPO EL PRASAD SINHA	npsinha100@gmail.com	Msc Physics	Graduate student	Using in Journal Research paper
Guliam Mustafa	gphysics@gmail.com	Minnaj University Lahore	Graduate student	Yes
Pratibha Paul	pratikha19@gmail.com	MJ Western University, S	Faculty member at Resea	Learn new technology for the upcoming research
Safer Rahman Sardar	sardarsafer@mail.uic.ac	Magneto Saha Institute o	Faculty member at Resea	To increase the knowledge level
Dr.A.K.Shrivastava	drakshrivastava01@gmail.com	D.C.V.Ramao University	Faculty member at Resea	Learning
Anmol Subba	anmolsubba2@gmail.com	IIT Patna	Graduate student	To solve eq.
ANRITA ROYCHOWDHURY	anrita_21m@gmail.com	JADAVPUR UNIVERSITY	Graduate student	I want to incorporate Mathematica and it's simulation tools in my field of Physics for new beautiful works and projects.
BMRITIMOY CHAKRABORTY	mritymoy116@gmail.com	IGNOU	Graduate student	I am too much enthusiastic to learn new things although I am working on plasma physics with Swarni Chandra sir (Physics Joint Kolkata), So in plasma physics paper I need many Mathematical work. So I am wishing to learn it for my future work. Thank you so much for organizing this type of event.
Chayan Saha	chayan.physics@gmail.com	AJAYASEAL COLLEGE	Faculty member at Resea	To enrich knowledge
Saikat M S	saikamshankar@gmail.com	SI Pijumera PG centre	Graduate student	Love physics more than anything
Poulomi Pal	poulomip23@gmail.com	Forest Research Institute,	Graduate student	simply I just love it
Chirmitoy Kumar	chirmitoykumar@gmail.com	North Bengal University	Research Scholar	For computation program
DEBADRISH BHATTACHARYA	debadrisha@gmail.com	Cooch Behar Panchanan	Graduate student	For programming.
Swarandita Jaha	dphysics25@gmail.com	Rajani University	Graduate student	It helps me in my future research works.
Anshu Das	anshudas10@gmail.com	College of Engineering an	Faculty member at Resea	To study different materials
Bikram Gurung	swanbikram30@gmail.com	Sikkim University	Research Scholar	For research work
Rishikumar S	rishikumarphy@gmail.com	college delhi univ	Graduate student	Research purpose and higher studies
Debangshi Mahto	debangshim2@gmail.com	Acharya Prabh Chandra	Graduate student	I want to do higher studies in future, that's why I need to learn Mathematica programming language which can be very useful working tool for scientific fields.
SUDHANSHU TIWARI	tiwari_sudhanshu45@gmail.com	DARJEELING GOVERN	Graduate student	To learn more about the programming language and it's various applications.
ADARSH THAKUR	adardshthakur6641@gmail.com	DARJEELING GOVERN	Graduate student	I am very much interested in learning new skills and As it is associated with the world of physics and mathematics as well, it would be useful in future.
Unshakti Shrivastava	unshaktishrivastava@gmail.com	Dr. C. V. Ramana Universl	Research Scholar	To learn how to do solutions to difficult equations to plot graphs, etc.
RAJAT KUMAR SAHU	rajatkumarshah121@gmail.com	Delhi University	Graduate student	To gain knowledge
Namita Joshi	namita12joshi@gmail.com	Delhi university	Graduate student	It will help in my course and in future
Akshayesh Bhatnagar	akshayeshbhatnagar@gmail.com	University of Delhi	Graduate student	For academic purpose
Moumanta Bahuguna	bahugunamoumanta2014@gmail.com	Department of Physics an	Graduate student	I learnt a little bit about it and want to explore more
Palavi Sani	palavisani602014@gmail.com	Savitribai Phule Pune Uni	Graduate student	Interested
Jyanta Kumar Panigrahy	panigrahyjyanta1999@gmail.com	Student	Graduate student	To learn how to use computer program to solve different problem in physics
Nishu Khondh	nishukhondh10@gmail.com	Manda house	Graduate student	Helpful in course
Name	Email	Organization	Position	Purpose to learn Mathematics
Rashi Wadhwa	rwadhwa10001@gmail.com	University of Delhi	Graduate student	Wants to use in my field
Nirmal	nr9939183@gmail.com	Delhi Technological University	Faculty member at Resea	Because mathematics are totally used in physics
Rajesh Mukherjee	rajeshrd@gmail.com	Ramananda College	Faculty member at Resea	Do not know anything about this mathematical tool. Want to learn how to install and use.
Barani Datta	dattabanaranath@gmail.com	Darjeeling Govt College	Faculty member at Resea	This is very much useful in geometry and other mathematical computations.
Gang Bahadur Acharya	gang.765711@ccp.uoed.tribhuvan	University	Research Scholar	For solving many equation problems, Mathematica symbolic mathematical computation program, used in many scientific, engineering, mathematical and computing field. It was concise
Mihkhar Rahaman	mihkharahaman01@gmail.com	Darjeeling Govt. College	Faculty member at Resea	Currently I am doing research in High Energy Nuclear Physics. I need to use Mathematica for several reasons, numerical analysis, data handling, plotting etc.
Kewal Chhetri	chhetrikewal879@gmail.com	Sikkim University	Master's Student	Lots of problems in physics can be solved using Mathematica.
KRPASINDHU KUMAR	kpsindhu.kumar@gmail.com	Darjeeling Government C	Faculty member at Resea	Personally development for academic purposes
Pragya Singh	pragyas.cs.ms15@iitbhu.ac	(BHU), Varanasi, India	Research Scholar	This is relevant to my research work as it helps in solving complex mathematical equations and designing specific programs. To use in future summer research projects.
Prajwal Saxena	prajwalsaxena18@gmail.com	University of Delhi	Master's Student	
D.V.K. Narasingham	narasingham007@gmail.com	Dr.C.V.R university	Faculty member at Resea	How to learn mathematics in increase my knowledge
Md Sarif Haque	sarifdgc@gmail.com	Darjeeling Government C	Faculty member at Resea	As a faculty member of a Government College I think it will help me for learning and Research purposes.
Trimbak Bhattacharyya	trimbak.bhattacharyya@jnu	Joint Institute for Nuclear	Faculty member at Resea	NA
Jitendra Mallick	jiten117m@gmail.com	Others	Faculty member at Resea	Interested to learn how it works in real life and is related to our universe.
Homonah Lulij	lulijhomonah@gmail.com	NBDC Tadong	Faculty member at Resea	To learn it more about mathematica and to hear the distinguish speaker.
Shanu Shukla	shanushukla11@gmail.com	IIM Indore	Faculty member at Resea	Data analysis and quantitative research

P. Prasad
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Department of Mathematics:

Report of the one day International webinar topics on “**MATHEMATICS AND ITS APPLICATION**” organized by Dept. of Mathematics in collaboration with IQAC, Darjeeling Govt. College on 10/10/2020.

One day International webinar in mathematics and its application was organised by department of Mathematics, Darjeeling Govt. College in collaboration with IQAC, Darjeeling Govt. College on 10.10.2020. Dr. Amarjeet Tamang, Assistant Professor and H.O.D. of Mathematics dept was the convener of the webinar. Prof. Avishek Adhikari, Department of Mathematics, Presidency University was the 1st Resource Person. He talked about blockchain technology and its implications in real life. 2nd resource person was Prof. Kamal Kanti Nandi, Director, Zeldovich International centre for astrophysics. All the students of Mathematics dept of Darjeeling Govt. College has joined the session, apart from these other mathematics interested students from other colleges also joined. Everyone enjoyed the lectures. It was ended by the vote of thanks of Dr. Banani Dutta, Jt. Convener of the webinar.



ONE DAY INTERNATIONAL WEBINAR IN MATHEMATICS AND ITS APPLICATION

PROGRAM SCHEDULE

DATE : 10TH OCTOBER ,2020

TIME : 11.30 AM (IST)

11.30 am : WELCOME ADDRESS
11:50 am : INTRODUCTION OF 1ST SPEAKER
11:55 am : LECTURE BY PROF. AVISHEK ADHIKARI
1:30 pm : QUESTION ANSWER SESSION
1:45 pm: INTRODUCTION OF 2ND SPEAKER
1:50 pm: LECTURE BY PROF. KAMAL KANTI NANDI
2:30 pm.: QUESTION ANSWER SESSION
2:40 pm : VOTE OF THANKS.

END OF THE PROGRAM


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INFORMATION BROCHURE

DARJEELING GOVERNMENT COLLEGE Accredited with 'B' by NAAC Darjeeling



ONE DAY INTERNATIONAL WEBINAR IN
MATHEMATICS AND ITS APPLICATION

(10TH OCTOBER 2020)

Organised by

Department of Mathematics Darjeeling Government College
Darjeeling -734101

Website: www.darjeelinggovernmentcollege.com

Event Resource Person

1. Prof Kamal K Nandi
Director,
Zel'dovich International
Centre for Astrophysics



2. Prof. Avishek Adhikari
Department of Mathematics,
Presidency University, Kolkata



Organising Committee

- Dr. Armarjit Tamang - Convener
- Dr. Gokardhan Hano
- Dr. Saleem Mahmood Mulla - Jt. Convener
- Dr. Banani Dutta - Jt. Convener
- Dr. Shyam Sundar Chakr

Chief Patron

Dr. Ambika Thami
Hon'ble TCS.

Scope and Programme

Due to the Covid-19 pandemic each and every student has been cut off from their regular studies. So far, we are not sure whether the situation would be in control in the coming month. Under these circumstances, we would like to provide a virtual guidance to every student (especially U.G. students) so that they can get an opportunity to learn from various field of Mathematics and its applications and get encouraged from eminent resource person and research scholars. Our Intake capacity is only 100 participant. So the selection will be on first come first basis.

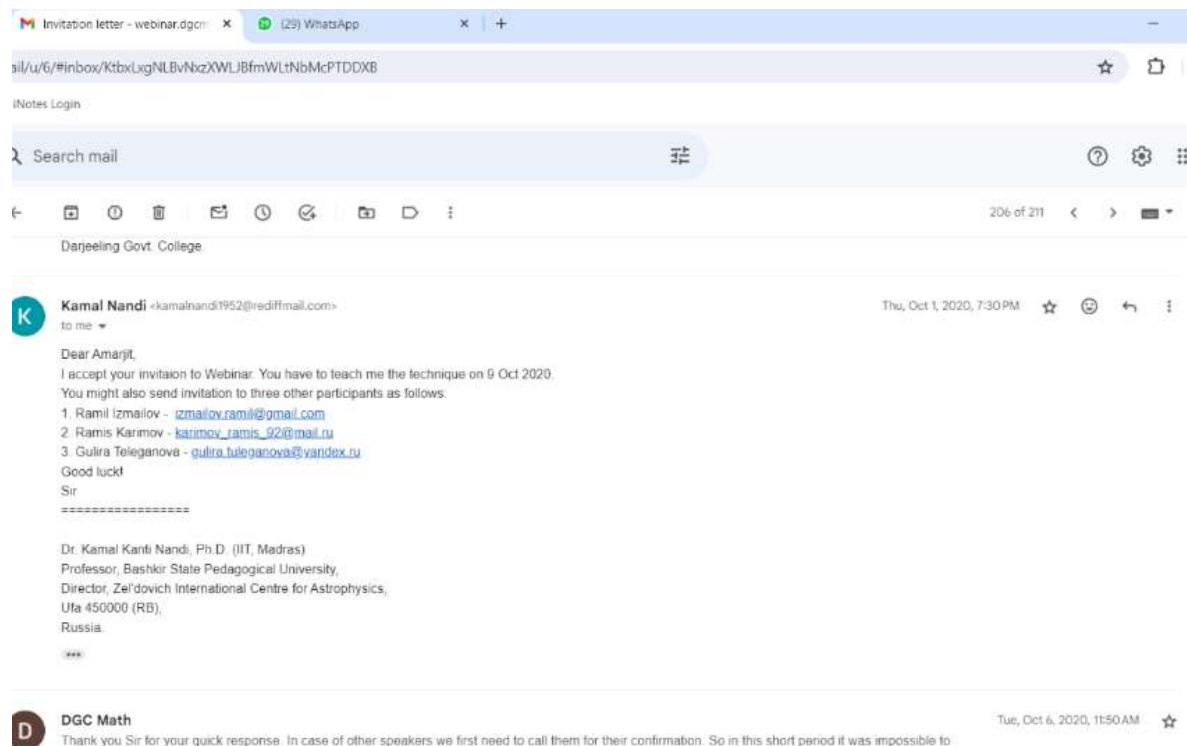
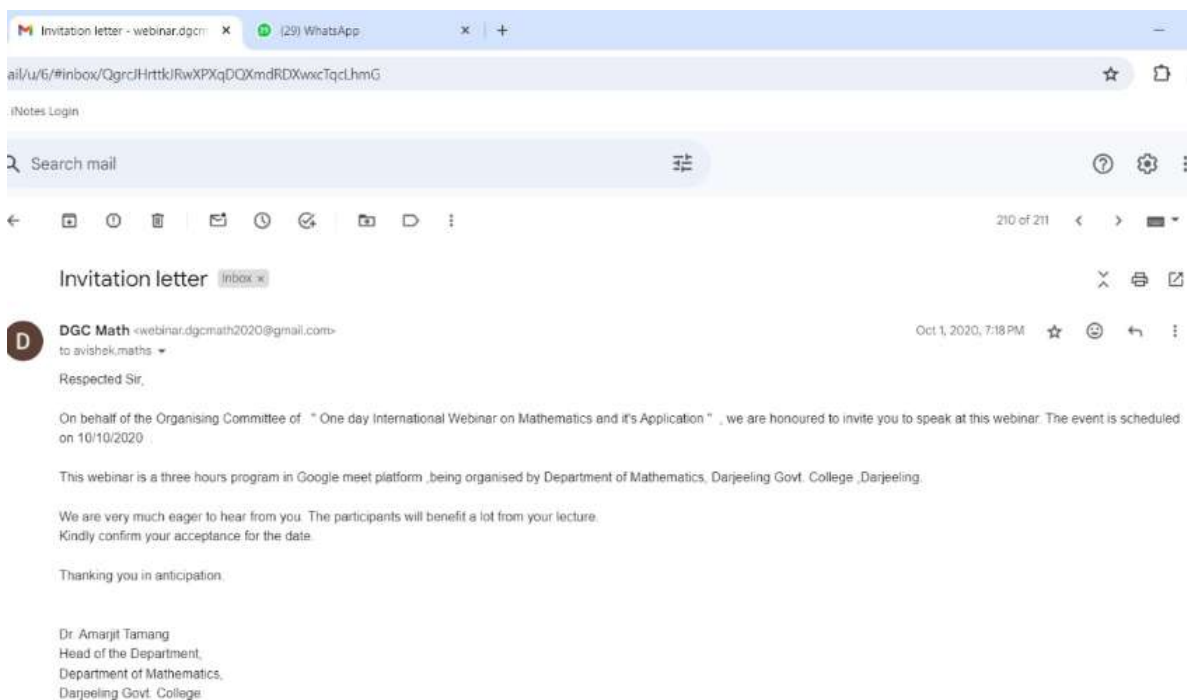
For registration please visit the link below
<https://forms.gle/NBsktB1H6YGZFQ5k8>

For registration please visit the link below
<https://forms.gle/NBsktB1H6YGZFQ5k8>



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(Signature)
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Email : dgc.principal@gmail.com

Invitation letter inbox x



DGC Math <webinar.dgcmath2020@gmail.com>
to kamalhandi1952

Thu, Oct 1, 2020, 7:20 PM ☆ 😊 ↶ ⋮

Respected Sir,

On behalf of the Organising Committee of "One day International Webinar on Mathematics and it's Application", we are honoured to invite you to speak at this webinar. The event is scheduled on 10/10/2020.

This webinar is a three hours program in Google meet platform, being organised by Department of Mathematics, Darjeeling Govt. College, Darjeeling.

We are very much eager to hear from you. The participants will benefit a lot from your lecture. Kindly confirm your acceptance for the date.

Thanking you in anticipation.

Dr. Amarjit Tamang
Head of the Department,
Department of Mathematics,
Darjeeling Govt. College.

2



Avishek Adhikari <avishek.maths@presiuniv.ac.in>
to me

Oct 1, 2020, 7:42 PM ☆ 😊 ↶

Dear Dr Tamang,

Thank you very much for your email. I will be great pleasure for me to deliver a talk.

Best regards,

Avishek

Dr. Avishek Adhikari, M.Sc. (Gold Medalist)

Professor

Department of Mathematics,

Presidency University,

website: <http://www.presiuniv.ac.in/web/staff.php?staffid=424>

http://www.isical.ac.in/~avishek_t/

Author: Basic Modern Algebra with Applications, Springer

<http://www.springer.com/mathematics/algebra/book/978-81-322-1588-1>

Editor: Springer Monograph "Mathematical and Statistical Applications in Life Sciences and Engineering", Springer

<https://www.springer.com/in/book/9789811053686>

Founder Secretary, IMBIC (Branches in Sweden and Japan)

<https://imbic.org.blogspot.in/>

Executive Committee Member, Treasurer, Cryptology Research Society of India (CRSI)

<http://crsind.in/about-crsi/executive-committee/>

Former Eastern Zonal Coordinator for NBHM MSc and PhD Scholarship Examinations

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Prajawal
Officer-in-Charge
Darjeeling Govt. College






Department of Microbiology:

1. Report of the one day State level seminar topics on “**BIOTERRORISM: Preparedness and Response**” jointly organized by Department of Microbiology and Botany, Darjeeling Govt. College on 11/03/2022.

An interactive session and a collaborative Seminar were jointly organized by Department of Microbiology and Botany on 11th March 2022. Dr Swapna Mukherjee, Associate Professor and Head of the Microbiology Department, Dinabandhu Andrews College, Kolkata was invited as a resource person. Since this was the first offline program after Pandemic so Madam chose a topic which had created a terror in the world at that time. Her topic of deliberation was Bioterrorism: Preparedness and Response. Madam also explained that Bioterrorism involves the intentional release of biological agents (such as bacteria, viruses, or toxins) to cause harm to humans, animals, or plants. Madam talked about different viruses and bacteria which acts as bioterror and also explained how Corona virus has changed our lives. Around 200 participants were present in the seminar which included both teachers and students. The participants were present from Microbiology, Botany and Zoology Department.

The outcome of the seminar was the students learnt about the measures taken by governments, organizations, and communities to prevent, detect, and mitigate the effects of biological attacks. They understood that preparedness efforts included developing plans for early detection, surveillance, communication, and coordination among various stakeholders, including public health agencies, law enforcement, healthcare providers, and emergency responders. Response strategies may involve medical treatment, quarantine measures, decontamination procedures, and public education campaigns to minimize the impact of a bioterrorist attack.


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Email : dgc.principal@gmail.com

Invitation letter



Varsha Rani Gajamer <gajamer.varsharani@gmail.com>
to swamuk15

Wed, Mar 2, 2022, 8:29 AM ☆ ☺ ↶ ⋮

Dear Madam,

Namaskar!

Hope this email finds you in good health. The Department of Microbiology, Darjeeling Government College would like to invite you for an interactive session with the faculties and students of Life Sciences (Microbiology, Botany, Zoology). Hence, it would be an immense pleasure if you could spare some time out of your busy schedule on 11th March, 2022, Time: 11am to 12.30pm. I am sure your presence will enlighten and inspire our students and teachers.

Hope to see you soon.

Best Regards,

- Varsha

Dr. Varsha Rani Gajamer (W.B.E.S)

Assistant Professor & Head
Department of Microbiology
Darjeeling Government College
Dist Darjeeling-734101
West Bengal, India
Phone no. +91-9647775465



**DARJEELING GOVERNMENT COLLEGE
DARJEELING, WEST BENGAL, INDIA-734101**

**Interactive session and Collaborative seminar jointly
organized by Department of Microbiology and Botany, Darjeeling Government
College
Certificate**

*This is to certify that **Dr. Swapna Mukherjee**, Associate Professor Head, Department of Microbiology Dinabandhu Andrews College had delivered a special lecture on "BIOTERRORISM: Preparedness and Response" in a Collaborative seminar jointly organized by Department of Microbiology and Botany, Darjeeling Government College, Darjeeling, on 11th March, 2022.*

Varsha R. Gajamer

Convener

Blutia

Co-ordinator, IQAC & Organizing Secretary

IQAC CO-ORDINATOR
Darjeeling Government College
DARJEELING

Prijindana

Principal

**Officer-in-Charge
Darjeeling Govt. College**

Prijindana
**Officer-in-Charge
Darjeeling Govt. College**





Geo tagged Photograph with date and captions:



Photograph1: Dr Swapna Mukherjee giving lecture



Photograph2: Photograph of Resource person along with faculties of Microbiology, Botany and Zoology along with the students who participated in welcome dance.



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2. Report of the one day State level seminar topics on “**Studies on seed borne micro flora associated with oil seed (mustard) and Cereal crop (Rice) of Indo Gangetic area and their ecofriendly management**” organized by Department of Microbiology, Darjeeling Govt. College on 30/04/2022.


REPORT

An interactive session and a seminar were organized by Department of Microbiology on 30th April 2022. Dr Tanmay Ghosh, Assistant Professor from the Department of Microbiology Dinabandhu Andrews College, Kolkata was invited as a resource person. His topic of deliberation was Studies on seed borne microflora associated with oil seed (mustard) and Cereal crop (Rice) of Indo Gangetic area and their ecofriendly management.

There were around 100 participants in total from Microbiology as well as from other Departments.

His aim was to explain about the seed-borne micro flora associated with oilseed crops like mustard and cereal crops like rice in the Indo-Gangetic region is crucial for understanding the microbial communities present on seeds and their impact on crop health and yield. He also explained Indo-Gangetic region, characterized by its fertile soil and diverse agricultural practices, provides a suitable environment for studying seed-borne micro flora dynamics.

The outcome of the seminar was very beneficial. The students learned how different types microorganisms present on seeds can be studied including bacteria, fungi, and viruses, through techniques such as culture-based methods, molecular biology, and metagenomics. The students learned about the potential pathogenicity of seed-borne micro flora and their role in causing diseases in mustard and rice crops. They also understood how seed-borne micro flora influence crop health, growth, and yield parameters such as germination rates, seedling vigor, and final grain yield. Moreover, the resource person explained the importance of Development of sustainable and environmentally friendly management practices to control seed-borne pathogens and promote crop health. He said this may include the use of biocontrol agents, organic amendments, crop rotation, resistant cultivars, and cultural practices like seed treatment and sanitation.


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DARJEELING GOVERNMENT COLLEGE
SEMINAR &
IN COLLABORATION WITH
INTERNAL QUALITY ASSURANCE CELL
IS ORGANIZING

**INTERACTIVE SESSION AND ONE DAY SEMINAR
ON**
Studies on seed borne microflora associated with oil seed (mustard) and Cereal crop (Rice) of Indo Gangetic area and their ecofriendly management.

SPEAKER
Dr. Tanmoy Ghosh,
Assistant Professor, Department of
Microbiology, Dinabandhu Andrews
College, Kolkata

Venue & Time:
Lalita Ahmed Rai Hall
30th April, 2024 & 12:00
noon onwards

❖ UG and PG students can
attend.
❖ Teaching and non-teaching
staffs are also welcome

ORGANIZING COMMITTEE

Patron: Dr. Projjwal Chandra Lama,
Officer-in-Charge, Darjeeling Govt.
College

Conveners: Dr. Varsha Rani
Gajamer

Chief Advisor: Dr. Sherap Bhutia,
Associate Professor, Dept. of
Geography

Organizing Committee Members:
Ms. Pinkey Lamu Lepcha, Ms.
Sitoshna Sinha

Invitation ▷



Varsha Rani Gajamer <gajamer.varsharani@gmail.com>
to tanmay.tanmay.ghosh780 ▾

Mon, Apr 11, 2022, 10:38 AM ☆ 😊 ↶ ⋮

Dear Sir,

Hope this email finds you well. Sir, I would like to invite you in our department on 13th April 2022 for an interactive session with our students. I would be happy if you would kindly accept my invitation and visit our institution.

Thank you
Regards,
-Varsha

↶ Reply ↷ Forward 😊

Varsha Rani Gajamer
Officer-in-Charge
Darjeeling Govt. College





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Photographs: Photo of resource person delivering lecture and Group photo after seminar

P. Jeyaraman
Officer-in-Charge
Darjeeling Govt. College





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3. Report of the one day National level webinar on online platform organized on the occasion of World Environment Day on the theme “**ONLY ONE EARTH**”, Local intervention on Climate Change on Earth on 6/6/2022.


RESOURCE PEOPLE:

- Prof. Ranadhir Chakraborty, Department of Biotechnology, University of North Bengal
- Dr. Rituraj Darnal, Range Officer, Government of West Bengal, Dhodhrey Range, Darjeeling.
- Mr. Ravi Prasad, Botanist, Botanical Survey of India, Ministry of Environmental Forest and Climate Change, Arid Zone, Regional Centre, Rajasthan
- Dr Roshan Rai, Director DLR-Prerna (NGO) Darjeeling

REPORT:

One day National level seminar on online platform was organized on the occasion of World Environment Day on the theme “**ONLY ONE EARTH**”, Local intervention on Climate Change on Earth on 6th June, 2022 from 4pm onwards. The objective of the seminar on World Environment Day was to raise awareness about environmental issues, promote sustainable practices, and encourage individuals and organizations to take action towards protecting the environment. Through presentations and discussions from the learned resource person the seminar educated participants about the importance of biodiversity conservation, climate change mitigation, and the adoption of eco-friendly lifestyles.

The seminar on World Environment Day brought together Professors, environmental experts, activists, policymakers, and members of the community to discuss pressing environmental issues and explore potential solutions. The event featured a series of presentations, panel discussions, and interactive sessions which aimed at engaging participants and inspiring collective action. The topics of discussion were on Biodiversity Conservation, Climate Change Mitigation, and Sustainable Development. The seminar concluded with a collective call to action, urging participants to translate newfound knowledge and insights into concrete actions. Attendees were encouraged to pledge their commitment to environmental stewardship by making simple lifestyle changes, supporting environmental initiatives, and advocating for policy reforms. The seminar on World Environmental Day succeeded in achieving its objectives of raising awareness, fostering dialogue, and inspiring action on environmental issues. Participants left the event feeling motivated and empowered to make positive changes in their personal lives and communities.


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**One day National level seminar on online platform organised on the occasion of
World Environment Day on the theme "ONLY ONE EARTH",
Local intervention on Climate Change on Earth**

By:
**The Department of Microbiology of Darjeeling Government college & St. Joseph's College
in collaboration with Microbiologists Society India (MSI)**

RESOURCE PEOPLE:

- Prof. Ranadhir Chakraborty, Department of Biotechnology, University of North Bengal
- Dr. Rituraj Darnal, Range Officer, Government of West Bengal, Dhodhrey Range , Darjeeling.
- Mr. Ravi Prasad, Botanist, Botanical Survey of India, Ministry of Environmental Forest and Climate Change , Arid Zone , Regional Centre, Rajasthan
- Dr Roshan Rai, Director DLR-Prerna (NGO) Darjeeling

Patrons Prof. A.M. Deshmukh All India President Microbiologists Society India Dr. Projwal C. Lama, (Officer-in-charge) Darjeeling Government College Fr. Dr. Donatus Kujur (Principal) St. Joseph's College, Darjeeling	Chief Advisor Dr. Swapna Mukherjee Head; Department of Microbiology Dinabandhu Andrew's College, State President (West Bengal), MSI Special guests Dr. Sanjeev D. Patankar National Coordinator, MSI	Organizing Committee Ms. Pinkey Lepcha Ms. Sitoshna Sinha Darjeeling Govt. College Mr. Abhijeet Chhettri (HOD) Mr. Rounak Lama Ms. Shweta Mukhia St. Joseph's College	Coordinators Dr. Arindam Bhattacharjee Head; Department of Microbiology North Bengal University, State Coordinator, MSI Dr. Varsha Rani Gajamer Head Department of Microbiology, Darjeeling Govt. College, State Coordinator, MSI	Date: 6.6.22 Time: 4pm
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Link -<https://meet.google.com/ykw-bzwc-ipw>

Invitation letter to the expert:

Dr. Roshan Rai,
Director, DLR-Prerna (NGO),
Darjeeling.

Subject- Invitation as a Speaker for One day National level Seminar organized on the occasion of World Environment Day based on the theme-"ONLY ONE EARTH" Local Intervention on Climate Change on Earth


Respected Sir,

We are pleased to cordially invite you on behalf of The MSI unit, Darjeeling Government College and St Joseph's College, Darjeeling as an eminent speaker for the One day National level Seminar organized on the occasion of World Environment Day based on the theme-"ONLY ONE EARTH" Local Intervention on Climate Change on Earth. The official opening ceremony will take place on 6th of June, 2022 at 4pm through an online platform.

We would be humbly obliged if you accept our invitation and share your expertise on the topic with our participants. Please contact us if you have any queries related to this seminar.

Thanking you,

Yours sincerely,
Organising Committee,
MSI unit


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Darjeeling Govt. College





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Dr. Koshan Kai,
Director, DLR-Prerna (NGO),
Darjeeling.

Subject- Invitation as a Speaker for One day National level Seminar organized on the occasion of World Environment Day based on the theme-"ONLY ONE EARTH" Local Intervention on Climate Change on Earth

Respected Sir,

We are pleased to cordially invite you on behalf of The MSI unit, Darjeeling Government College and St Joseph's College, Darjeeling as an **eminent speaker** for the One day National level Seminar organized on the occasion of World Environment Day based on the theme-"**ONLY ONE EARTH**" **Local Intervention on Climate Change on Earth**. The official opening ceremony will take place on 6th of June, 2022 at 4pm through an online platform.

We would be humbly obliged if you accept our invitation and share your expertise on the topic with our participants. Please contact us if you have any queries related to this seminar.

Thanking you,

Yours sincerely,
Organising Committee,
MSI unit.


From,
Microbiologists Society of India (MSI) Unit,
Department of Microbiology,
Darjeeling Government College and St Joseph's College, Darjeeling,
Date - 02/06/2022

To,
Mr Ravi Prasad,
Botanical Survey of India, (Ministry of Environmental Forest and Climate Change)
Arid Zone Regional Center,
Near Kheme Ka Kuan, AIIMS Road
Subash Nagar-II, P.O., Pal Road
Jodhpur-342008 (Rajasthan).

Subject- Invitation as a Speaker for One day National level Seminar organized on the occasion of World Environment Day based on the theme-"ONLY ONE EARTH" Local Intervention on Climate Change on Earth

Respected Sir,

We are pleased to cordially invite you on behalf of The MSI unit, Darjeeling Government College and St Joseph's College, Darjeeling as an **eminent speaker** for the One day National level Seminar organized on the occasion of World Environment Day based on the theme-"**ONLY ONE**


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Invitation as a Speaker on Seminar Inbox x



Microbiology DGC <microbiology.dgc21@gmail.com>
to riturajdarnal

Thu, Jun 2, 2022, 7:30 PM ☆ 😊 ↶ ⋮

From,
Microbiologists Society of India (MSI) Unit .
Department of Microbiology,
Darjeeling Government College and St Joseph's College, Darjeeling,
Date - 02/06/2022

To,
Dr. Rituraj Darnal,
Range Officer, Government of West Bengal,
Dhodrey range, Darjeeling.

Subject- Invitation as a Speaker for One day National level Seminar organized on the occasion of World Environment Day based on the theme-"ONLY ONE EARTH" Local Intervention on Climate Change on Earth

Invitation as a Chief Advisor for One day National level Seminar 🖨️ 📧



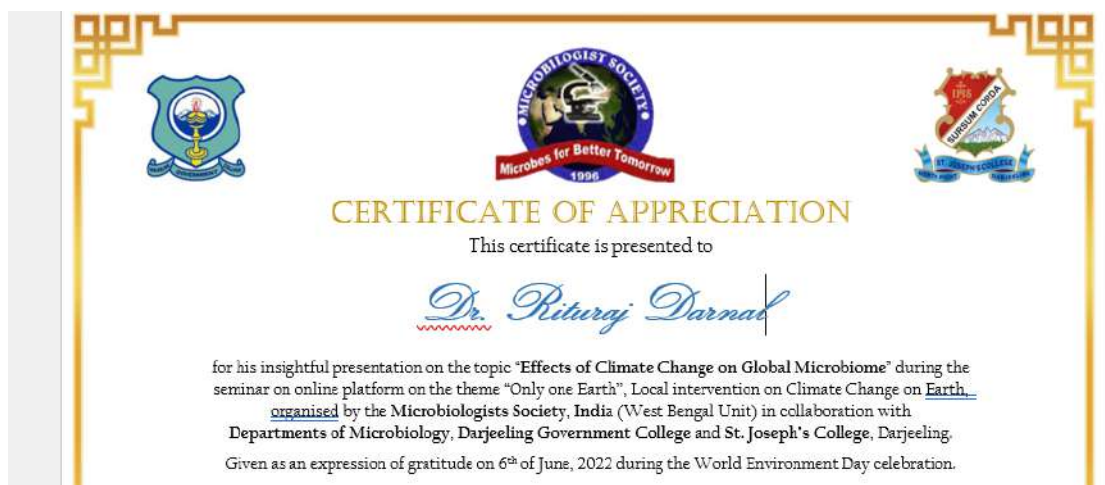
Microbiology DGC <microbiology.dgc21@gmail.com>
to swamuk15@gmail.com

Sat, Jun 4, 2022, 1:22 AM ☆ 😊 ↶ ⋮

From,
Microbiologists Society of India (MSI) Unit .
Department of Microbiology,
Darjeeling Government College and St Joseph's College, Darjeeling.
Date- 04/06/2022.

To,
The State President (West Bengal), MSI.
Dr Swapna Mukherjee,
Head, Department of Microbiology,
Dinabandhu Andrew's College,
Pin no -734101, Dist -Darjeeling,
West Bengal, India.

Sample copy of Certificate to the expert:



[Signature]
Officer-in-Charge
Darjeeling Govl. College



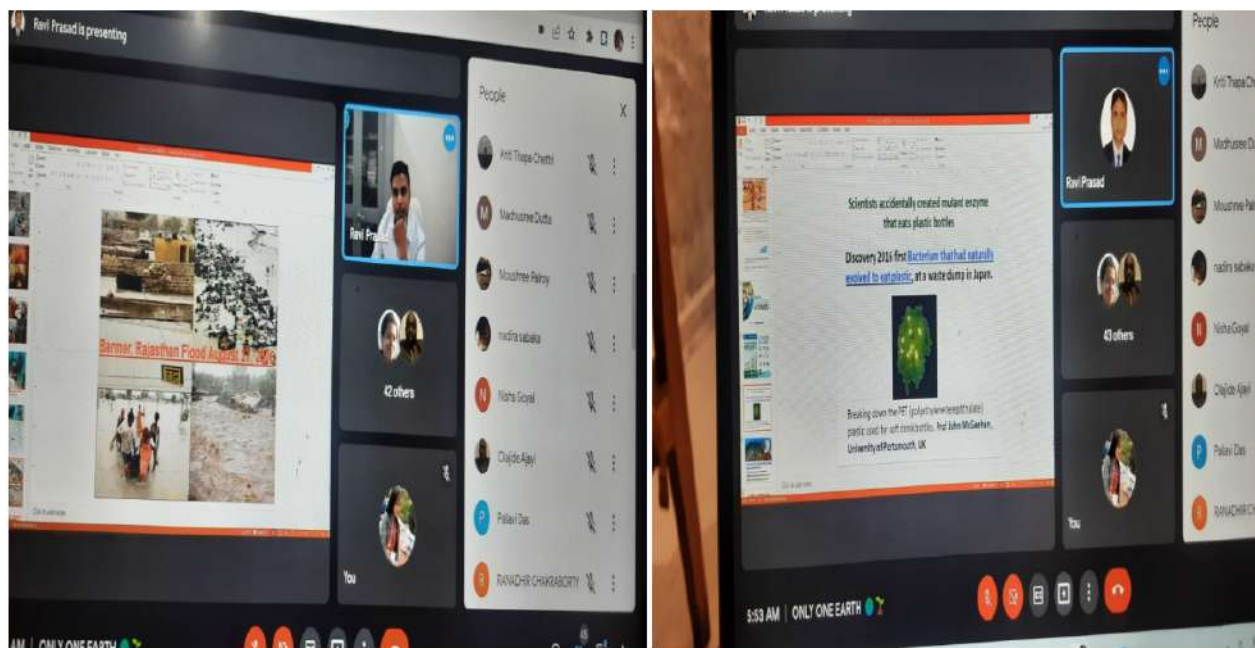


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Photograph 1: Resource persons and participants in webinar



Photograph 2: Photograph of webinar

[Signature]
Office-in-Charge
Darjeeling Govl. College





4. Report of the state level workshop on “**Literacy Mission**” in Microbiology: “**Higher Studies and Career Opportunity in Microbiology after Class 12**” was held at Ghoom Boys’ High Secondary School, Darjeeling organized by Department of Microbiology, Darjeeling Government College and Microbiology Society of India on 14/09/2022.

Report:

A Workshop on “**Literacy Mission**” in Microbiology: **Higher Studies and Career Opportunity in Microbiology after Class 12**” was held at Ghoom Boys’ High Secondary School, Darjeeling, organized by Department of Microbiology, Darjeeling Government College and Microbiology Society of India was held on 14th September, 2022.

The workshop aimed to enlighten students about the importance of Microbiology, the avenues available for higher studies, and the diverse career opportunities awaiting them in this dynamic field. The objective of the workshop was to educate students about the significance of Microbiology subject, showcase the various academic paths they can pursue after completing class 12, and highlight the promising career prospects in microbiology-related fields. The faculties from the Department of Microbiology enlightened the students by introducing Microbiology as a subject. The students also learned the different higher education options and career opportunities in Microbiology. To build interest in the subject, quiz competition after the presentation by college students was conducted. The school students who could answer the questions were rewarded with a chocolate. This helped the school students to keep focus on the presentation in a jovial manner.



Pre-stained bacterial slides, bacterial culture plates and fungal culture plates were taken to school to demonstrate to the students. The students were asked to observe different shapes and kinds of bacteria under the microscope. Students were excited to observe the bacteria on the nutrient agar plates which was isolated from spring water.

The workshop on "Literacy Mission in Microbiology" aimed to empower students with the knowledge, resources, and inspiration needed to embark on a fulfilling journey in the field of microbiology. By providing valuable information about higher education options, career pathways, and essential skills, the seminar sought to nurture a new generation of aspiring microbiologists who are equipped to make meaningful contributions to science and society.



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**DEPARTMENT OF MICROBIOLOGY
DARJEELING GOVERNMENT COLLEGE
DARJEELING-734101, WEST BENGAL, INDIA**

Memo no: 13/micro/22 Date: 12.09.2022

To
The Headmaster,
Ghoom Boys' H.S School,
P.O Ghoom
Dist Darjeeling

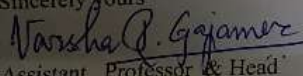
Subject: Permission to conduct a program on "Microbiology Literacy Mission" in Ghoom Boys' Higher Secondary School

With due respect and humble submission it is to inform you that the Department of Microbiology, Darjeeling Government College, in collaboration with Microbiologists Society India would like to conduct a program on Nationwide Microbiology literacy mission in your esteemed Institution for the classes IX, X and XI- XII (Sc).


The main objectives of the program will be to educate the children about the importance of microbes in our lives, their impact on us and to offer career guidance and scopes and opportunities in Microbiology. The program will also include some demonstrations where we will show some bacteria and fungus to students through microscopes and culture plates.

I would be highly obliged if you would kindly allow us to conduct the program on Wednesday the 14th September, 2022 from 2pm to 4pm.

Your kind permission is earnestly solicited.

Thanking you,
Sincerely yours,

Assistant Professor & Head
Department of Microbiology
Darjeeling Government College

Dr. Varsha Rani Gajamer WBES
Assistant Professor & Head
Department of Microbiology
Darjeeling Government College
Government of West Bengal


Officer-in-Charge
Darjeeling Govt. College





Geo tagged Photograph with date and captions:



Figure 1: Photograph of Students actively participating in Microbiology literacy mission.

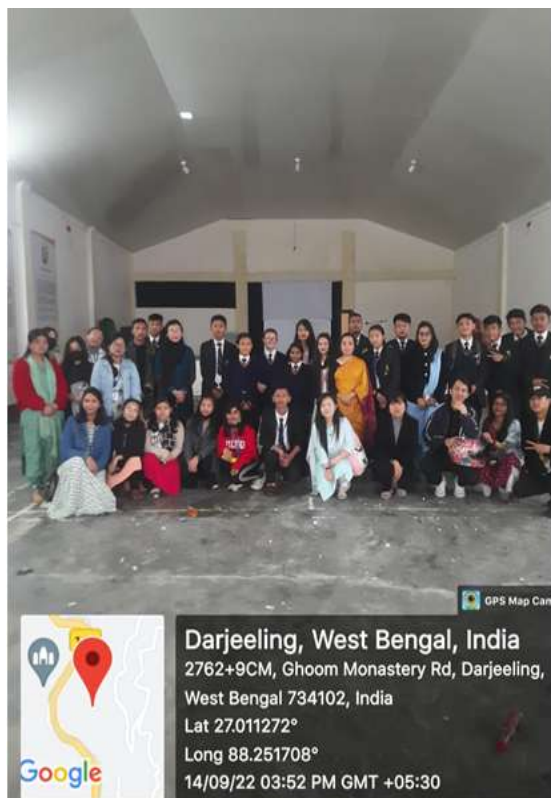


Figure 2: Photographs of students participated in hands-on experiments in the laboratory



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Figures 3: In the seminar, the teacher sis giving the presentation and students are listening carefully



Figure 4: some snapshot of the seminar

P. Prasad
Officer-in-Charge
Darjeeling GOVL. College

