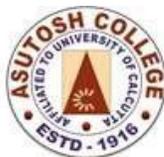


February 2024



-
- **TITLE OF EVENT/ PROGRAMME (SEMINAR/ WEBINAR/ WORKSHOP/EXTENSIONLECTURE/ EXTENSIONACTIVITY/ANYOTHERACTIVITY):** Journey of the molecular world using theory and computation
 - **THEME OF THE EVENT/PROGRAMME:** Alumni Lecture series: Alchemist
 - **ACADEMIC SESSION:** 2023-2024
 - **DATE:** 27th February, 2024
 - **VENUE:** Seminar Hall, Centenary Building, Asutosh College
 - **OBJECTIVE/PURPOSE:**

This particular Alumni Lecture series: Alchemist was kept open to all candidates with the larger aim of knowledge transfer to the willing candidates (students and faculties of Asutosh College and others). The sole purpose of conducting this Alumni Lecture series in the Department of Chemistry is to provide the participants, to interact with their pass-out senior.

- **SPEAKER/S / RESOURCE PERSON/S:**

The guest speakers were Dr. Sutirtha Narayan Chowdhury, R&D Engineer, Intel Corporation, USA.

- **TARGET AUDIENCE/PARTICIPANTS:**

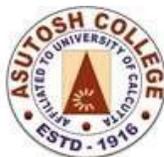
UG and PG Students and faculties of Asutosh College as well as other colleges and Universities

- **ATTENDANCE SHEET:** Attached

- **BRIEF REPORT ABOUT THE EVENT/PROGRAMME:**

The Department of Chemistry organized the one-day Alumni Lecture series on Journey to the Molecular World using Theory and Computation. The guest speaker was Dr. Sutirtha Narayan Chowdhury, R&D Engineer, Intel Corporation, USA.

Dr. Sutirtha Narayan Chowdhury has completed his Bachelor of Science from Asutosh College in 2013. He completed his masters from Indian Institute of Technology (IIT) Chennai, Chennai, India and Ph.D from University of Rochester, Rochester, NY Doctor of Philosophy, Computational.



The students were very much encouraged to raise their queries during the entire session and clear their doubts.

➤ **EXPECTED OUTCOME:**

The power of theory and computation is beyond our imaginations. The success of modern-day science and technology largely depends on theory and method development & computational research. With the help of powerful supercomputers, we were able to simulate the celestial object-like blackhole images to the motion of tiny microorganisms. In this talk, I will deliver a high-level idea of theory and computational research and its application to Chemistry, Physics, and beyond. I will summarize my research findings in the kinetics of single molecule nanocatalysis to quantum dynamics theorems on Charge transfer (Electron, proton) and photon-induced chemical reactions. This lecture will provide broad aspects of theory and computation towards modern-day research topics.

PRINCIPAL
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Web : www.asutoshcollege.in

➤ **GEO-TAGGEDPHOTOGRAPHS:**

ASUTOSH COLLEGE
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Alumni Lecture Series 2024

ALCHEMIST

JOURNEY TO THE MOLECULAR WORLD
USING
THEORY AND COMPUTATION

Organised By
DEPARTMENT OF CHEMISTRY
In collaboration with
IQAC, ASUTOSH COLLEGE

Speaker:
 **SUTIRTHA NARAYAN CHOWDHURY**
R&D Engineer
Intel Corporation, USA

Tuesday, 27th February 2024
1 P.M. Onwards
Venue: Seminar Hall, Centenary Building, Asutosh College.




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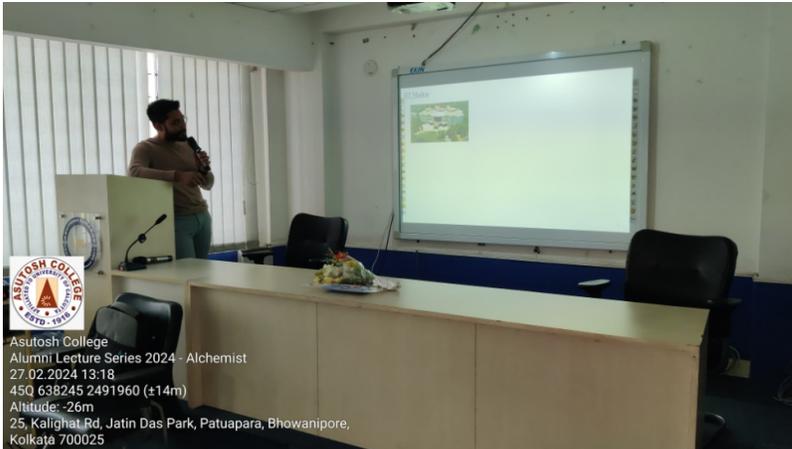
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Asutosh College
Alumni Lecture Series 2024 - Alchemist
27.02.2024 13:18
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Altitude: -26m
25, Kalighat Rd, Jatin Das Park, Patuapara, Bhowanipore,
Kolkata 700025



Asutosh College
Alumni Lecture Series 2024 - Alchemist
27.02.2024 14:33
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Kolkata 700025



Asutosh College
Alumni Lecture Series 2024 - Alchemist
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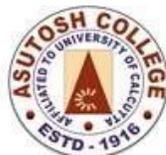
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Asutosh College
Alumni Lecture Series 2024 - Alchemist
27.02.2024 13:18
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Altitude: -26m
26, Kalighat Rd, Jatin Das Park, Patuapara, Bhowanipore,
Kolkata 700025



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KOLKATA-700 026



ATTENDANCE SHEET

NO OF PARTICIPANTS PRESENT: 53

Day - J 27.12.24

ALCHEMIST : ALUMNI LECTURE SERIES
-1

Speaker : - Subirtha Choudhury, R&D Engineer, Intel Corp., US
Topic - Journey to the Molecular World, with Theory and Computation

Faculty Members :-

1. Dr. Keya Ghosh.
2. Dr. Ipsita Bhattacharya
3. Dr. Anrita Roy.
4. Nilkanth
5. Dr. Manas Kumar Biswas

Students :-

1. Ankur Das	19. Saanchita Gisi.
2. Soumitra Moitra.	20. Tamal Pakra si
3. Srirajun Majumder	21. Shayan Paul
4. Ritam Mandal.	22. Prityanshu Nandi
5. Chayan Samanta.	23. Ayan Debnath
6. Pratyusha Das	24. Anidra Mondal.
7. Shreyani Banerjee	25. Sultana Ruki
8. Poulomi Basak	26. Sahil Rahman.
9. Shrabanti Nath	26. Sr. Sahil Rahman.
10. Subarna Ghosh	27. Md Sayed Anwar
11. Shikha Mishra	28. Aditya Kumar
12. Agnik Kumar Halder.	29. Somashree Dinda
13. Nilan Mandal	30. Sagnik Chakraborty
14. Akhra Pal	31. Debatma Chatterjee
15. Smitama Maiti	32. Priya Roy.
16. Sanjukta Patra	33. Pratayee Manna.
17. Debnath Halder.	34. Rishi Das.
18. Nitiran Talukder.	35. Farhad Khan
	36. Rohan Mondal.
	37. Manish Ali Khan


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38. Aastha Baidya
39. Suruti Mazumdar
40. Ritwika Samaddar
41. Whittaa Kas
42. MD SHAHIL
43. Ankan Roy
44. Ruwaida Sultana
45. Sou. Debanjana Das
46. Piku Delanath
47. Joy Jamer
48. Dildar Hussain

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Seminar Report

Title of Event: Seminar on research Methodology, 2024
Theme: Introduction to research and research methodology

Name of the Dept: Environmental Science

Academic Session: 2023-2024

Date of Celebration: 10.02.2024

Venue: Seminar Hall, Centenary Building

Objective: The Seminar was organized by Department of Environmental Science in association with IQAC, Asutosh College, to give an overview or understanding of research methodology, covering various aspects such as research design, data collection, analysis, and interpretation. Additionally, it aimed to equip attendees with practical tools and techniques to enhance their research endeavors across different disciplines.

Participants: Undergraduate and Post Graduate Students of Department of Environmental Science, Asutosh College.

Banner:



ASUTOSH COLLEGE
92, S.P.MUKHERJEE ROAD, KOLKATA - 26
ESTD - 1910

Seminar on
RESEARCH METHODOLOGIES

Organised By
DEPARTMENT OF ENVIRONMENTAL SCIENCE
In collaboration with
IQAC, ASUTOSH COLLEGE

Speaker:
PROF. PRADIP K. SIKDAR
Department of Environmental Management
IISWBM

10th February 2024, 11 A.M. Onwards
Venue: Seminar Hall, Centenary Building, Asutosh College

Attendance Sheet:

Alumni Talk

Department of Environmental Science **Date: 10.02.2024**

List of the Participants

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biswsshreya858@gmail.com	Ms.	SHREYA BISWAS	STUDENT	Under-Graduate	8617284549	Shreya Biswas 10/2/24

Name of Faculty members	Signature with Date	Department
1. Dr. Pradyumn Choudhary	<i>[Signature]</i> 10/2/24	Dept. of Geology
2. Dr. Anish Choudhary	<i>[Signature]</i> 10/2/24	Dept. of Env. Science
3. Dr. Karishma Dasgupta	<i>[Signature]</i> 10/2/24	Dept. of Env. Science
4. Indrajit Choudhary	<i>[Signature]</i> 10/2/24	Dept. of Env. Science
5. Saran Choudhary	<i>[Signature]</i> 10/2/24	Dept. of Env. Sc.
6. CHANDRANI DUTTA	<i>[Signature]</i> 10/2/24	Dept. of Env. Sc.
7. Smiti Karanika	<i>[Signature]</i> 10/2/24	Dept. of Env. Sc.
8. Shramana Roy Barman	<i>[Signature]</i> 10/2/24	Dept. of Env. Sc.
9. SAYANTI KAR	<i>[Signature]</i> 10/2/24	Dept. of Env. Sc.
10. SUBHAYAN DUTTA	<i>[Signature]</i> 10/2/24	"

Brief report of the Programme: The seminar was hosted by Smt. Chandrani Dutta. Welcome address was given by Dr. Shramana Roy Barman, Head, Department of Environmental Science.

Lecture was delivered by Professor Pradip K. Sikdar, Department of Environmental Management, IISWBM. The following aspects were covered in the seminar-

- Introduction to Research Methodology
- Research Design
- Data Collection Techniques
- Data Analysis
- Interpretation and Reporting
- Hands-on Workshops and Case Studies

During the program's concluding phase, a group discussion on environmental issues was arranged, providing a platform for numerous students to express their perspectives and inquiries regarding various environmental challenges. Vote of thanks was given by Dr. Subhayan Dutta.

Seminar Outcome: The seminar on research methodology proved to be a valuable platform for students and researchers to deepen their knowledge and skills in conducting high-quality research. The seminar fostered an environment conducive to learning and professional development in the field of research methodology. Such initiatives are instrumental in advancing research practices and promoting excellence in academic endeavors.

Seminar Photographs:







A REPORT ON SEMINAR IN
DEPARTMENT OF MICROBIOLOGY, ASUTOSH
COLLEGE



ASUTOSH COLLEGE

92, S.P. MUKHERJEE ROAD, KOLKATA - 26

Seminar on

RESEARCH METHODOLOGIES

Organised By

DEPARTMENT OF MICROBIOLOGY

in association with

IQAC & RESEARCH & DEVELOPMENT
CELL, ASUTOSH COLLEGE

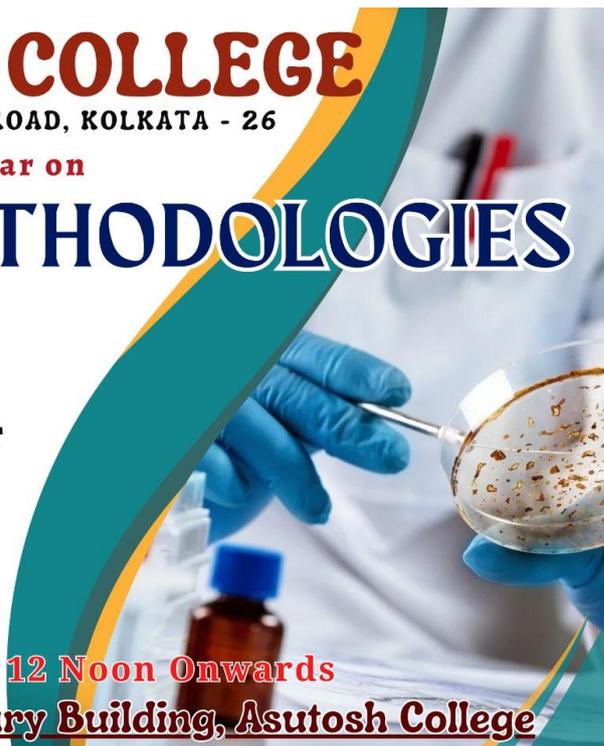
Speaker:



DR. SAMPA DEBNATH
Associate Professor
Vijaygarh Jyotish Ray College

5th February 2024, 12 Noon Onwards

Venue: Seminar Hall, Centenary Building, Asutosh College



- **THEME OF THE ACTIVITY:** A lecture of distinguished Professor was organized by department of Microbiology, Asutosh College.
- **TITLE OF THE ACTIVITY:** “Research Methodologies”.
- **ACADEMIC SESSION:** 2023-2024
- **DATE:** 05 Feb 2024
- **VENUE:** Seminar Hall Centenary Building of Asutosh College
- **OBJECTIVE/ PURPOSE:** To enrich students with the valuable information and experience of the resource person.
- **RESOURCE PERSON :** Dr. Sampa Debnath, Associate Professor, Dept. of Microbiology, Vijaygarh Jyotish Ray College, Kolkata.

➤ **BRIEF REPORT ABOUT THE EVENT:**

The resource person started the lecture by sharing her experience she gathered over more than 20 years of teaching. The main objective of her lecture was to enrich students with the prospects of research and motivate them for undertaking research activities after their post graduation courses.

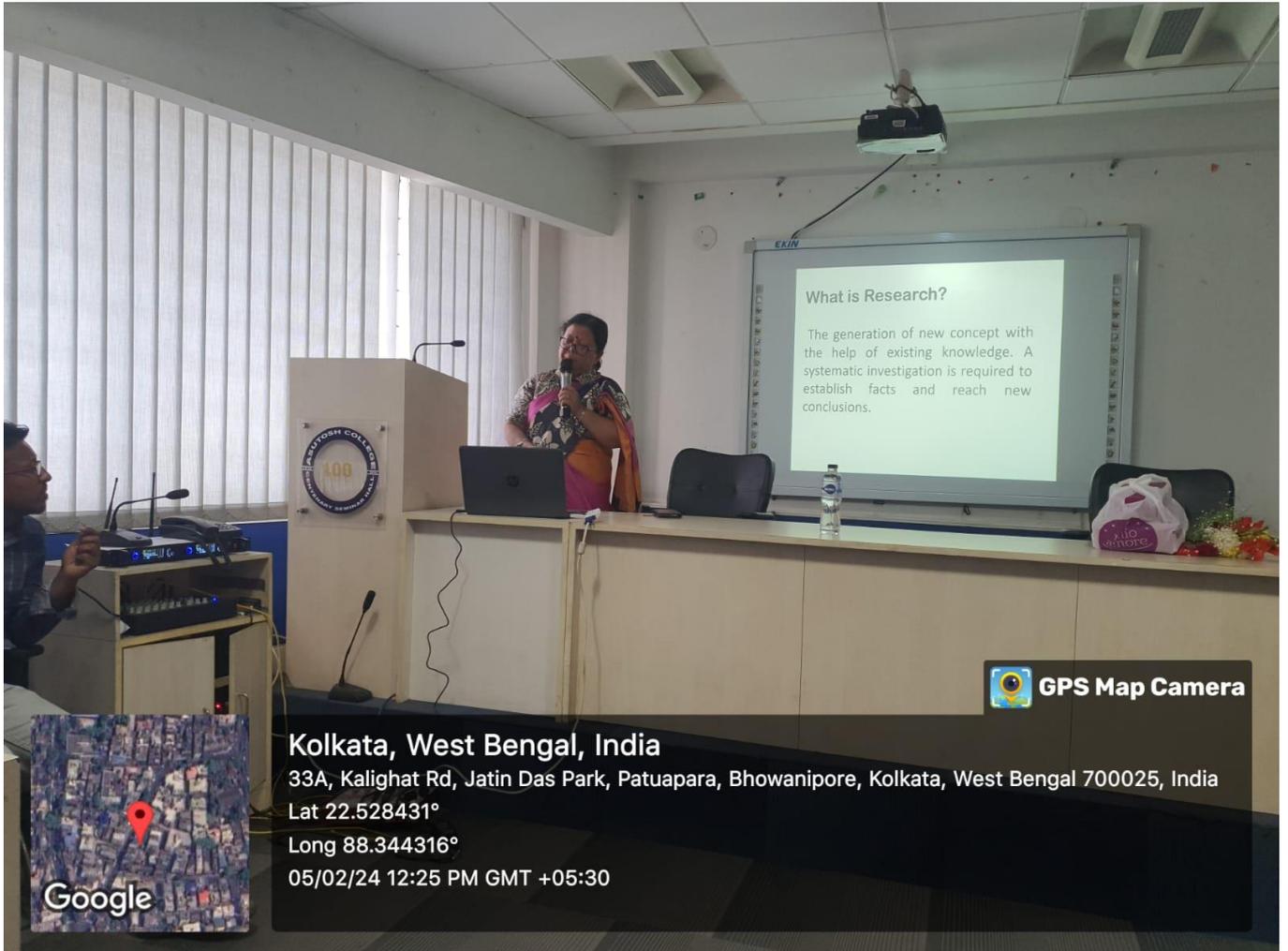
Later on, the resource person meticulously explained to the students; how to undertake research activities during Ph.D. program, how to write a research paper, compilation of data, literature review, designing of experimental protocol, writing of observation and results; and finally drawing conclusions based on the results.

Moreover, the resource person explained how to design an experimental protocol and follow research methodology with the hypothetical idea of isolating chromium leaching microorganisms from soil.

In a nutshell this seminar was extremely valuable from students perspective, and students gained improvised knowledge on research methodology.

➤ **GEO-TAGGED PHOTOGRAPHS:**





Kolkata, West Bengal, India

33A, Kalighat Rd, Jatin Das Park, Patuapara, Bhowanipore, Kolkata, West Bengal 700025, India

Lat 22.528431°

Long 88.344316°

05/02/24 12:25 PM GMT +05:30



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