Event Report: Evaporation of Multi-Component and Nano-Particle Systems

Date: January 24, 2024
Time: 5:00 PM - 9:00 PM
Speaker: Dr. Sayak Banerjee (Jadavpur University Alumnus)
Venue: Mechanical PG Seminar Room

Organized by: IIC, JU

Teacher Coordinator in charge: Dr.Pranibesh Mondal ,Dr. Aranyak Chakravarty

Student Coordinator in charge: Samayan Mazumder Project Fellow IIC

Introduction

This event focused on the complex phenomenon of evaporation in multi-component and nano-particle systems. Dr. Sayak Banerjee, an alumnus of Jadavpur University, delivered a comprehensive talk exploring the theoretical and practical aspects of this topic. The event likely took place in Kolkata, considering your current location.

Event Summary

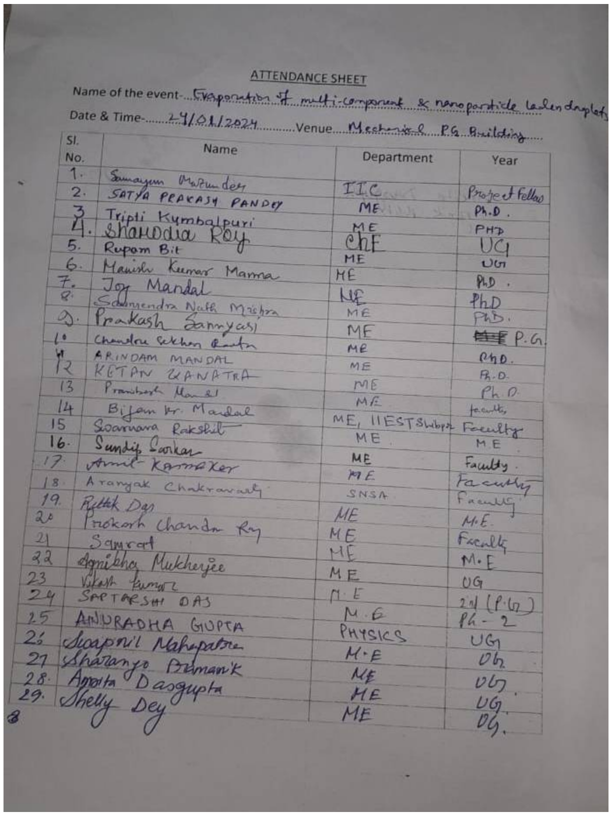
The key points covered in Dr. Banerjee's talk could include:

- Fundamentals of evaporation: The speaker might have explained the basic principles of evaporation, including vapor pressure, diffusion, and mass transfer.
- Multi-component systems: He could have delved into the complexities of evaporation in systems containing multiple components, such as mixtures and solutions. Factors like interactions between components and non-ideal behavior might have been discussed.
- Nano-particle effects: The focus could have shifted to how the presence of nano-particles influences the evaporation process. Topics like surface tension, interfacial phenomena, and heat transfer at the nano-scale might have been addressed.
- Applications and challenges: Dr. Banerjee might have explored the practical applications of understanding evaporation in these systems, such as in drug delivery, desalination, and nanomaterial processing. He could have also mentioned the challenges and limitations associated with research in this area.

Engagement and Discussion

It would be helpful to know if the event included opportunities for questions and discussion. If so, mentioning the key points raised by the audience and Dr. Banerjee's responses would provide valuable insights.

Attendance Sheet:

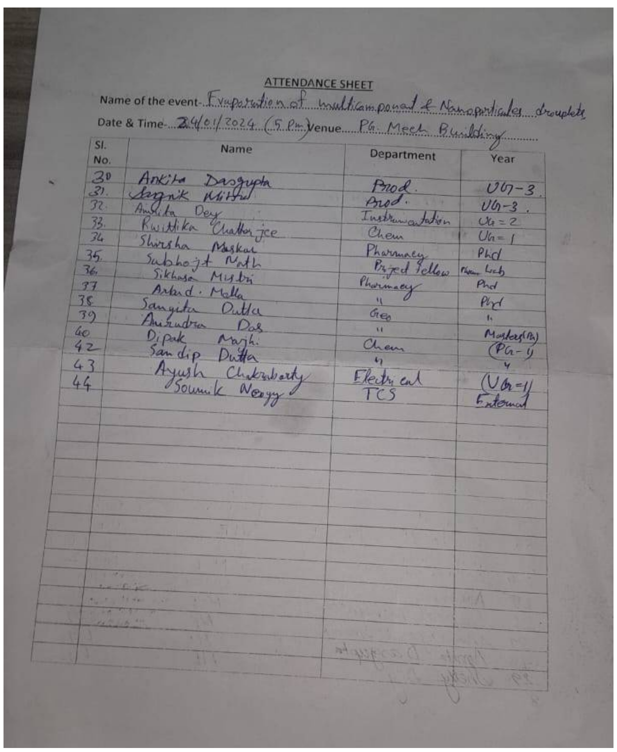


ATTENDANCE SHEET

Name of the event- Evaporation of multi-component & nanoparticle laden droplets

Date & Time- 24/01/2024 Venue Mechanical PG Building

Sl. No.	Name	Department	Year
1.	Samayun Mazumder	IIC	Project Fellow
2.	SATYA PRAKASH PANDEY	ME	Ph.D.
3	Tripti Kumbalpuri	ME	PHD
4.	Shanodia Roy	ChE	UG
5.	Rupam Bit	ME	UG
6.	Manish Kumar Marma	ME	PhD.
7.	Joy Mandal	ME	PhD
8.	Soumendra Nath Mishra	ME	PhD.
9.	Prakash Sannyasi	ME	P.G.
10	Chandra Sekhar Rautra	ME	PhD.
11	ARINDAM MANDAL	ME	Ph.D.
12	KETAN KANATRA	ME	Ph.D.
13	Pranabesh Mandal	ME	faculty
14	Bijan Kr. Mandal	ME, IIEST Shibpur	Faculty
15	Swarnava Rakshit	ME	M.E
16.	Sundip Sarkar	ME	Faculty.
17.	Amit Karmakar	ME	Faculty
18.	Aranyak Chakravarty	SNSA	Faculty
19.	Ritik Das	ME	M.E.
20	Prokash Chandra Roy	ME	Faculty
21	Samrat	ME	M.E
22	Agnibha Mukherjee	ME	UG
23	Vikash Kumar	M.E	2nd (P.G)
24	SAPTARSHI DAS	M.E	Ph-2
25	ANURADHA GUPTA	PHYSICS	UG
26	Swapnil Mahapatra	M.E	UG
27	Sharanya Pramanik	ME	UG.
28.	Amrita Dasgupta	ME	UG.
29.	Shelly Dey	ME	UG.



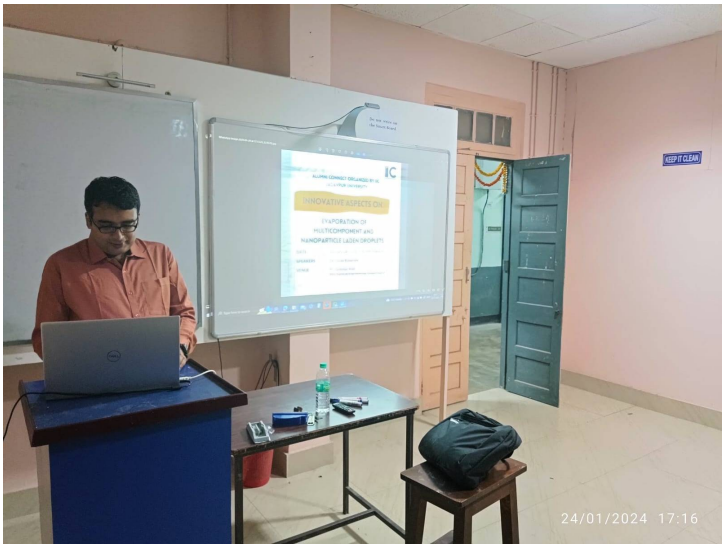
ATTENDANCE SHEET

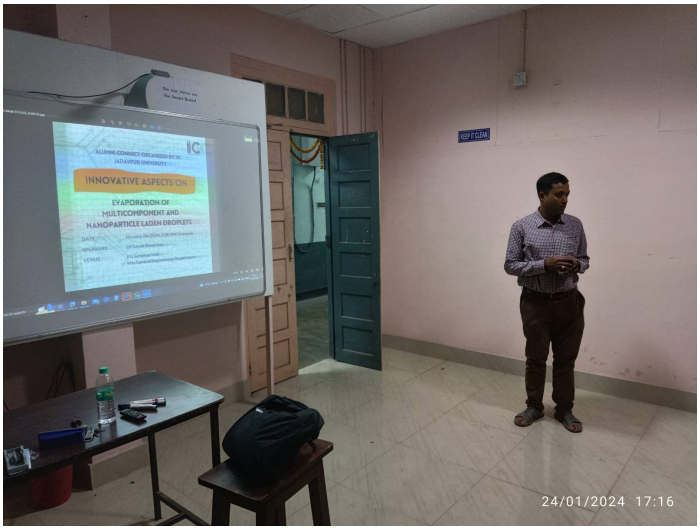
Name of the event- Evaporation of multicomponent & Nanoparticles droplets

Date & Time- 24/01/2024 (5 Pm) Venue PG Mech Building

Sl. No.	Name	Department	Year
30	Ankita Dasgupta	Prod.	UG-3.
31.	Sagnik Mitra	Prod.	UG-3.
32	Ankita Dey	Instrumentation	UG=2
33.	Rwittika Chatterjee	Chem	UG=1
34	Shirsha Maskar	Pharmacy	PhD
35.	Subhojit Nath	Project Fellow	Pharm Lab
36.	Sikhasa Mistri	Pharmacy	PhD
37	Arbad. Molla	"	PhD
38	Sangita Dutta	Geo	"
39	Anirudra Das	"	Masters(PG)
40	Dipak Majhi.	Chem	(PG-1)
42	Sandip Dutta	"	"
43	Ayush Chakraborty	Electrical	(UG=1)
44	Soumik Neogy	TCS	External

Pictures of the Event:




INNOVATIVE ASPECTS ON
EVAPORATION OF MULTICOMPONENT AND NANOPARTICLE LADEN DROPLETS
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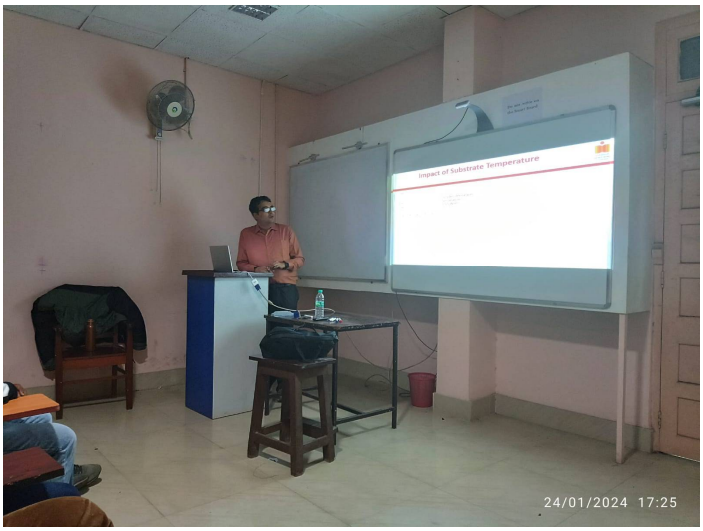
Impact of Substrate Temperature
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THANK YOU
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