



VIDYASAGAR COLLEGE FOR WOMEN

39, SANKAR GHOSH LANE &
8A, SHIBNARAYAN DAS LANE
KOLKATA - 700 006
Phone : 2241 8889
E-mail : office.vcfw@gmail.com
office@vcfw.org

No.....

Date.....

NOTICE

Date: 11/05/2023

VIDYASAGAR COLLEGE FOR WOMEN
AND
BANKIM SARDAR COLLEGE

Department of Chemistry, Vidyasagar College for Women, in collaboration with Bankim Sardar College is going to organize a seminar and workshop entitled "Supramolecular Chemistry-Its application in various fields" on 15/05/2023, in College ICT Room, new building from 9:30 a.m onwards. All the students of Chemistry Department are directed to be present for the same.

SPEAKER: Dr. Sourav Bej, Research Associate, CSIR-CMERI, Durgapur

S. Ghosal
✓ 12/05/23

Principal/Teacher in Charge
Vidyasagar College for Women
Kolkata-700006

Teacher-in-Charge
Vidyasagar College for Women

Lilak Chatterjee
12/5/2023

Principal/Teacher in Charge
Bankim Sardar College
South 24 Parganas - 743329

Principal
Bankim Sardar College

SEMINAR AND WORKSHOP ON
SUPRAMOLECULAR CHEMISTRY-ITS APPLICATION IN VARIOUS FIELDS

15TH MAY, 2023

ORGANISED BY:

VIDYASAGAR COLLEGE FOR WOMEN

In collaboration with

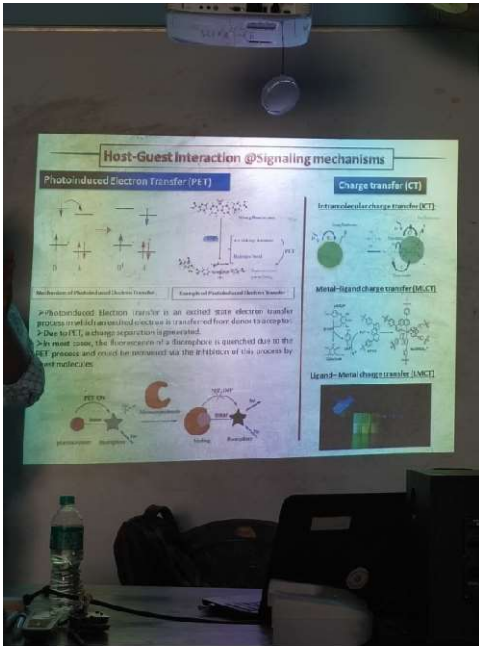
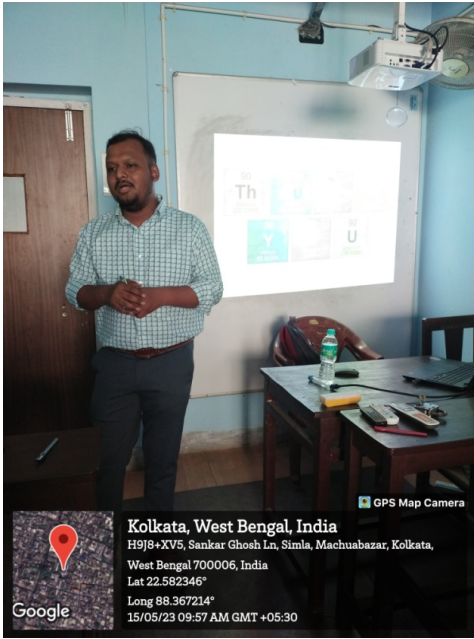
BANKIM SARDAR COLLEGE



DR. SOURAV BEJ

Research Associate, CSIR-CMERI, Durgapur

VENUE: VIDYASAGAR COLLEGE FOR WOMEN
COLLEGE ICT ROOM
TIME: 9:30 A.M ONWARDS



The speaker describes how “Supramolecular Chemistry” offers innovative approaches for detecting and removing arsenic and fluoride ions from water. In detection, supramolecular sensors utilize host-guest interactions, where receptors selectively bind to target ions, inducing measurable changes like fluorescence or colorimetric shifts. For example, cucurbiturils and cyclodextrins have been tailored to recognize arsenic and fluoride ions selectively, offering sensitive detection methods.

In removal, supramolecular materials like metal-organic frameworks (MOFs) and coordination polymers exhibit high surface areas and tunable pores, ideal for adsorbing metal ions from water. Functionalized host molecules within these frameworks can specifically capture arsenic and fluoride ions through coordination or electrostatic interactions. Additionally, supramolecular hydrogels or membranes with selective binding sites can efficiently filter out these contaminants from water sources.

Overall, supramolecular chemistry offers promising solutions for both the detection and removal of arsenic and fluoride ions from water, addressing critical environmental and public health concerns. It was a nice and enthralling lecture indeed.

VIDYASAGAR COLLEGE FOR WOMEN

39, Sankar Ghosh lane, Kolkata- 700006

ATTENDANCE SHEET

TOPIC:

Supramolecular Chemistry - Its application in various fields

Speaker: Dr. Sourav Bej, CSIR-CMERI, Bhubaneswar

DATE: 15.05.2023

TIME: 9:30 am

VENUE: BHAGABATI DEVI AUDITORIUM, VIDYASAGAR COLLEGE FOR WOMEN
COLLEGE ICT ROOM

Sl no	NAME	REGISTRATION NO.	SIGNATURE
1	MADHUMITA PRADHAN	136-1211-0261-20	Madhumita Pradhan
2	SRI TAMA SARKAR	136-1211-0365-19	ST
3	JAYASHREE DEY	136-1211-0247-20	J. Dey
4	NEHA GUPTA	136-1211-0242-20	Neha Gupta
5	TIYASHA SAMANTA	136-1211-460-20	Tiyasha Samanta
6	BIPASHA SARKAR	136-1211-0244-20	Bipasha Sarkar
7	ADITI GHOSH	136-1211-0234-20	Aditi Ghosh
8	SABEHA GHOSH	136-1214-303-20	Sy.
9	Samormi Sanyal	136-1211-0027-20	Sundut
10	Tariba Khan	136-1211-0334-20	T. Khan
11	Bishnupradha Roy	136-1212-0221-19	B. Roy
12	Swastika Datta	136-1211-0315-19	Swastika
13	Garima Mishra	136-1211-0548-21	Garima Mishra
14	Kumari Raj Nandini	136-1211-0532-21	K. Nandini
15	Koheli Ghosh	136-1211-0208-21	Koheli Ghosh
16	Ananya Bose	136-1211-0244-21	Ananya Bose

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ATTENDANCE SHEET

TOPIC:

Supramolecular Chemistry - Its application in various fields. Speaker: Dr. Sourav Bej, CSIR-CMERI, Surgapur

DATE: 15.05.2023

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VENUE: BHAGABATI DEVI AUDITORIUM, VIDYASAGAR COLLEGE FOR WOMEN
COLLEGE ICT Room

Sl no	NAME	REGISTRATION NO.	SIGNATURE
17	Sneetha Mondal	136-1211-0298-21	Sneetha Mondal
18	Doumi Mondal	136-1211-0270-21	Doumi Mondal
19	Shreya Ghosei.	136-1215-0211-22	Shreya Ghosei.
20	Madhumita Fadikar	136-1211-0255-22	Madhumita Fadikar
21	Dipannita Das	136-1214-0295-22	Dipannita Das
22.	Preeti Saha	521-1211-0236-20	Preeti Saha
23.	Subhendu Naskar	521-1112-0235-20	Subhendu Naskar
24.	Mainur Grayen	521-1111-0245-20	M. Grayen
25.	Salauddin laskar	521-1111-0244-20	S. laskar .
26.	Somit Das	521-1111-0251-20	Somit Das
27.	Krishna pada Naskar	521-1112-0288-20	Krishna Naskar
28.	Azindam Ghoshal	521-1111-0238-21	Azindam Ghoshal
29	Kajal Naskar	521-1212-0258-21	Kajal Naskar
30.	Rohit Hossen laskar	521-1111-0256-21	Rohit laskar



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Certificate of Completion of Program 22-23

A seminar and workshop program entitled "Supramolecular Chemistry-Its application in various fields" has been conducted on 15/05/2023 by the Department of Chemistry, Vidyasagar College for Women in collaboration with Department of Chemistry, Bankim Sardar College and completed successfully. This program is undertaken as per MOU between Vidyasagar College for Women, at 39, Sankar Ghosh lane, Kolkata 700006 and Bankim Sardar College signed on 23/12/2022.

S. Ghosal
15/05/23

Principal/Teacher in Charge

Vidyasagar College for Women

Kolkata-700006

Teacher-in-Charge
Vidyasagar College for Women

Zilekha Chatterjee
15/05/2023

Principal/Teacher in Charge

Bankim Sardar College

South 24 Parganas - 743329

Principal
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