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Poster/ Oral Presentation :

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Details for submission of Registration fees

BANK NAME : State Bank of India

Account Name:

Bidhan Chandra College, Asansol

Account Number : 11214097180

IFSC Code : SBIN0000011

REGISTRATION FEES

Academia	:	Rs. 1200/-
Research Students	:	Rs. 700/-
Industry	:	Rs. 2000/-
Students	:	Rs. 100/-

The registration fees may be submitted online or by Demand Draft, drawn in favour of Bidhan Chandra College, Asansol, and payable at Asansol. Spot registration for participation will also be available to all those interested.

CALL FOR ABSTRACT/PAPER

Abstract: The participants are requested to submit the abstract(s) (maximum 250 words). Soft copy of the abstracts for poster and oral presentations should be e-mailed in MS WORD format (Font: Times New Roman, Size: 12, spacing 1.5) and also in PDF format as attachments.

For poster presentation, the name of the presenting author of the poster should be underlined. Poster size should be within 3 feet x 3 feet in dimension.

E-mail for sending abstracts :

bchem09@gmail.com

Last day of submission of abstract :

17.01.2020

Please Contact for Queries :

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Asansol Durgapur Development Authority (ADDA)

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Sponsored



INTERNATIONAL SEMINAR

ON

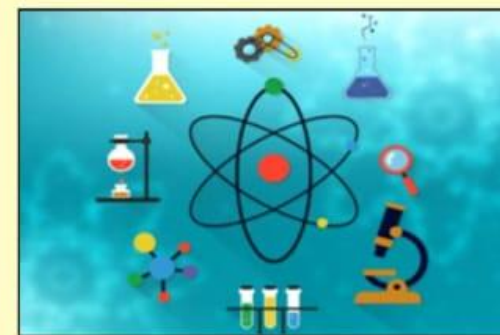
ADVANCEMENTS

IN

CHEMICAL SCIENCES

ISSUES AND CHALLENGES

4th – 5th February 2020



Department of Chemistry

Bidhan Chandra College

Asansol

West Bengal, India

In Collaboration

With

Indian Chemical Society

Sir/Madam

We are pleased to inform you that the Department of Chemistry, Bidhan Chandra College, Asansol – 4 is going to organize a 2-days International Seminar on "Advancements in Chemical Sciences: Issues and Challenges" on 4th and 5th February, 2020 in collaboration with the Indian Chemical Society. We cordially invite you to participate in this seminar and grace this occasion by your benign presence.

Sub Theme of the seminar

- Green Chemistry
- Catalysis
- Bio-organic Chemistry
- Bio-inorganic Chemistry
- Material Sciences
- Synthetic Organic Chemistry
- Supra-molecular Chemistry
- Spectroscopy
- Quantum Chemistry
- Computational Chemistry
- Coordination Chemistry
- Nano Chemistry
- Medicinal Chemistry

INVITED SPEAKERS

1. **Prof. Chittaranjan Sinha**
Secretary, Indian Chemical Society & Head Department of Chemistry, Jadavpur University
2. **Prof. Bimalendu Ray**
Department of Chemistry, University of Burdwan
3. **Prof. Samaresh Bhattacharyya**
Department of Chemistry, Jadavpur University
4. **Dr. Aparna Banerjee**
Department of Vicerrectoria de, Investigacion y Posgrado, Universidad Católicadel Maule, Talca, Chile
5. **Prof. Prasanta Ghorai**
Department of Chemistry, IISER Bhopal, MP
6. **Dr. Apurba Lal Koner**
Department of Chemistry, IISER Bhopal
7. **Prof. Rajnarayan Saha**
Department of Chemistry, NIT, Durgapur
8. **Mr. Anindya Roy**
Manager, IISCO Steel Plant, Burnpur

OBJECTIVES

Traditionally treading for centuries **CHEMISTRY** has ceased to be a mere subject now. It has metamorphosed itself to cater the needs of mankind and in the last few decades it has indeed grown into a completely new world. With its tributaries and distributaries its growth is enormous. Here in this seminar our primary objective is to uphold the advancements in this vivid subject and the challenges thus faced. This we sincerely hope would rouse interest in the subject, amongst every audience, specially the students, the budding chemists of tomorrow.

OUR COLLEGE

Bidhan Chandra College, Asansol, located in the industrial zone of Asansol-Burnpur city in Paschim Bardhaman District, owes its origin to the sincere efforts of members of Asansol Educational Development Committee and Relief & Welfare Society. The renowned education patriot, Sri Sasthinarayan Gorai made a large contribution towards the foundation of college. The Govt. of West Bengal brought up the college under the sponsored scheme from its very inception, in 1961, in the name of Dr. B. C. Roy, the illustrious son of our state. The foundation stone of the new building of the college was laid by Dr. Sarvapalli Radhakrishnan. Currently, the college has been accredited as 'B grade' by NAAC and is affiliated to the Kazi Nazrul University.

TRAVEL & ACCOMODATION

Our college is only 3 km from Asansol Railway Station and 2 km from Asansol Bus Stand. Auto rickshaws, electric rickshaws are available from the station as well as the bus stand. Regarding accommodation participants are requested to arrange their own.

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Sri Tapas Banerjee

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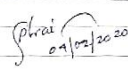
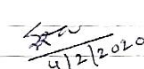
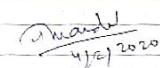
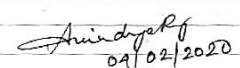
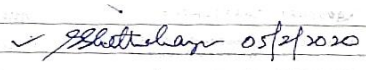
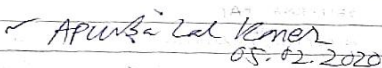
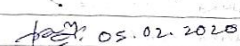
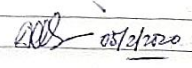
Dr. Sujit Kumar Bera

Department of Chemistry, Bidhan Chandra College, Asansol

ADVISORY BOARD

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S.S. Bhatnagar Awardee, Deptt. of Chemistry, Jadavpur University
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Deptt. of Chemistry, University of Burdwan
- **Dr. Aparna Banerjee**
Department of Vicerrectoria de, Investigacion y Posgrado, Universidad Católicadel Maule, Talca, Chile
- **Prof. Prasanta Ghorai**
Deptt. of Chemistry, IISER Bhopal, MP
- **Dr. Apurba Lal Koner**
Deptt. of Chemistry, IISER Bhopal
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Manager, IISCO Steel Plant, SAIL
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Head, Deptt. of Physics, Bidhan Chandra College
- **Mr. Indubaran Mandal**
Head, Deptt. of Mathematics, Bidhan Chandra College

← REGISTRATION OF INVITED SPEAKERS →

Sl. No.	Name	Designation & Institution	Phone no. & Email.	Signature with Date
1.	DR. ANIRBAN AKHAND	Postdoctoral Researcher, Coastal & Estuarine Environment Research Group, Post and Airpost Research Institute, JAPAN	akhand@p.mpat.go.jp	Anirban Akhand 04.02.2020
2.	DR. PRASANTA GHORAI	Professor, Department of Chemistry IISER-Bhopal, Bhopal - 462066	pghorai@iiserb.ac.in 9926674609	 04/02/2020
3.	DR. SUDIP KR. DAS	Professor & HOD, Dept. of Chem. Engg. Calcutta University 92, A-PC ROAD, Kolkata-70009	ds.sudipkrdas@gmail.com 8697304884	 4/2/2020
4.	MR. ASHANENDU MANDAL	Former General Manager, ONGC	ashanendumandal@gmail.com 9428332293	 4/2/2020
5.	MR. ANINDYA ROY	Manager, IISCO Steel Plant, SAIL	royanindya19@gmail.com 9131776116	 04/02/2020
6.	PROF. CHITTARANJAN SINHA	PROFESSOR OF CHEMISTRY & HOD JADAVPUR UNIVERSITY		Chittaranjan Sinha 05/02/2020
7.	PROF. SAMARESH BHATTACHARYA	PROFESSOR, DEPT. OF CHEMISTRY JADAVPUR UNIVERSITY		 05/2/2020
8.	DR. APURBALAL KONGER	ASSOCIATE PROFESSOR, DEPT. OF CHEMISTRY, IISER-BHOPAL		 05.02.2020
9.	PROF. BIMALENDU RAY	PROFESSOR, DEPT. OF CHEMISTRY, THE UNIVERSITY OF BURDWAN	broy@chem.buruniv.ac.in	 05.02.2020
10.	DR. A. K. MUKHERJEE	Associate Prof. of Physics - B.B. College Anand	983577027, akm_phy@bbsrc.com	 05/2/2020

REGISTRATION - IN-HOUSE

TEACHERS

SL.	NAME	DESIGNATION & INSTITUTION
1.	DR. CHANDRACHUR DAS	Asso. Professor, B.C. College, Asansol
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3.	DR. PRADIP KR. MAJI	Asst. Professor, B.C. College, Asansol
4.	DR. SUJIT KR. BERA	Asso. Professor, B.C. College, Asansol
5.	DR. TAPAN KR. SI	Assistant Professor, B.C. College, Asansol
6.	DR. SAMIM AKHTAR	ASSISTANT PROFESSOR, B.C. College, Asansol
7.	DR. XANIKA GHOSH	Assistant Professor, Bidhan Chandra College
8.	DR. GOUTAM MUKHERJEE	Asso. Professor, Bidhan Chandra College
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10.	DR. SUDIPTA ROY	Asso. Prof. Bidhan Chandra College
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12.	APURBA PARAMANIK	Assistant Professor, Bidhan Chandra College
13.	DR. AMIT BANERJEE	Assistant Professor, B.C. College, Asansol
14.	INDUBARAN MANDAL	Assistant Professor, Bidhan Chandra College
15.	DR. SANTUDEY	Assistant Professor, Bidhan Chandra College
16.	ABHIJIT XONAR	GAPTT, Bidhan Chandra College
17.	UTPAL MAJEE	Guest Lecturer, Bidhan Chandra College
18.	BHASKAR CHATTERJEE	Guest Lecturer, Bidhan Chandra College
19.	XABSTURI CHATTERJEE	Guest Lecturer, Bidhan Chandra College
20.	ANWESHA BANDYOPADHYAY	Guest Lecturer, Bidhan Chandra College
21.	SREENITA GHOSH	Govt App. P.T.T Bidhan Chandra College
22.	SAPARNA RAY	Govt App. P.T.T, Bidhan Chandra College
23.	NIBEDITA KORMAKAR	Govt App. P.T.T, Bidhan Chandra College
24.	SAGARIKA MUKHERJEE	Guest Lecturer, Bidhan Chandra College
25.	PRITANKA KAR ROY	GAPTT, B.C. College, Asansol
26.	RAJDIPT CHATTERJEE	GAPTT, B.C. College, Asansol
27.	APURBA DAS	GAPTT, B.C. College, Asansol
28.	GITANJALI ROY	Guest Lecturer, B.C. College
29.	DEBDYUTI SENGUPTA	Guest Lecturer, Bidhan Chandra College

PHONE NO. & EMAIL ID	SIGNATURE	REGN. FEES	PAID/DUE
9433450411, bibai75@rediffmail.com	Chandrachur Das	Rs. 1200.00	
9434329433, sutapashukri1@gmail.com	Adhykarj	Rs. 1200.00	
9476241094, Pradip-maji@yahoo.co.in		Rs. 1200.00	
9474854791, suritkbona@gmail.com	Asso	Rs. 1200.00	
8910206682, tapens162@gmail.com	Tapan	Rs. 1200.00	
9474407100, samimmarshat700@gmail.com	Samim Akhtar	Rs. 1200.00	
9751097075, ghosh.xanika7@gmail.com	Xanika Ghosh	Rs. 500.00	Paid
9635250340, saumenbcca@gmail.com	Saumen Chakraborty	Rs. 1200.00	Paid
9434522622, saumenbcca@gmail.com	Saumen Chakraborty	Rs. 1200.00	Paid
9474641167, roysudipta2050@gmail.com	Sudipta Roy	Rs. 1200.00	Paid
9883217295, ayazsharmam@gmail.com	Ajay Kumar Sharma	Rs. 1200.00	Paid
524096431, apurba.physics3@gmail.com	Apurba Paramanik	Rs. 1200.00	Paid
9609719400, amitbanerjee111@gmail.com	Amit Banerjee	Rs. 1200.00	Paid
7607264999, indubaran19@gmail.com	Indubaran Mandal	Rs. 1200.00	Paid
8771053129, santu.math@gmail.com	Santu Deuy	Rs. 1200.00	Paid
7679511233, utpalmajee2012@gmail.com	Utpal Majee	Rs. 500.00	Paid (online)
8537952647, baskar.chatterjee92@gmail.com	Bhaskar Chatterjee	Rs. 500.00	Paid
9382362330, anwesha274@gmail.com	Anwesha Bandyopadhyay	Rs. 500.00	Paid
9434215988, sukai_sr@rediffmail.com	Sreenita Ghosh	Rs. 500.00	Paid
9933701429, shikharanay041974@gmail.com	Saparna Ray	Rs. 2000/-	Paid
6296075574, nibedita.kormakar33@gmail.com	Nibedita Kormakar	Rs. 500/-	Paid
7001675213, Zoosaganasml@gmail.com	Pritanka Kar Roy	Rs. 500.00	Paid
xajdipchd@gmail.com	Rajdip Chatterjee	Rs. 500.00	Paid
apurbadas221105@gmail.com	Apurba Das	Rs. 500.00	Paid
groyasn@gmail.com	Gitanjali Roy	Rs. 500.00	Paid
debdyuti.sengupta@gmail.com	Debdyuti Sengupta	Rs. 500.00	Paid

REGISTRATION FOR

IN-HOUSE

STUDENTS

Sl	NAME	CLASS & DEPARTMENT
1.	KINGSHUK MANDAL	Sem VI & CHEMISTRY
2.	PARTHAJIT MAHATO	Sem VI & CHEMISTRY
3.	PAYEL CHOURASIA	Sem I & CHEMISTRY (Pass)
4.	Rina Chand	Sem III & Chemistry (Hons)
5.	Sumita Sarkar	Sem III & Chemistry (Hons)
6.	Kanchan Mandal	Sem II & Physics (Hons)
7.	Subhajit Panda	Physics (Hons)
8.	Tanushree Chakraborty	Physics (Hons)
9.	Gourab Mondal	Physics (Hons)
10.	Saikat Maji	Physics (Hons)
11.	Kunal Kolay	Physics (Hons)
12.	Sudarsan Sanyal	Physics (Hons)
13.	Sohini Dutta	Kazi Nazim Uddin Animal Science
14.	Maheswar Mahato	Physics (Hons)
15.	Rahul Mondal	Physics (Hons)
16.	Nishant Kumar Sharma	Chem (Hons)
17.	Subhajit Laik	Chem (Hons)
18.	Anand Varun Sharma	Chem (Hons)
19.	Kajal Kumari	Chem (Hons)
20.	Neha Prasad	Chem (Hons)
21.	Ashma Khanam	Chem (Hons)
22.	ARATI PATAR	Zoology (Hons)
23.	Parthajit Mahato	B.C. College Chem (Hons)
24.	Kingshuk Mandal	Chem (Hons)
25.	Anand Varun Sharma	Chem (Hons)

PHONE NO. & EMAIL ID	SIGNATURE	REGN. FEES	PAID/DUE
8370807634		Rs 100/-	paid
9679433788 & Parthajitmahato36@gmail.com	Parthajit Mahato	Rs 100/-	paid
6295293089	Payel chourasia		
8695037338 (chardvira321@gmail.com)	Rina Chand	Rs 100/-	paid
7007345730 (sumitasarkar1994@gmail.com)	Sumita Sarkar	Rs 100/-	paid
6295658033 (Kanchanmandal750@gmail.com)	Kanchan Mandal	Rs 100/-	
9064055621 subhajitpandais@gmail.com	Subhajit Panda	Rs 100/-	
9474605543	Tanushree Chakraborty	Rs 100/-	
7832627371 gurbomondal16@gmail.com	Gourab Mondal	Rs 100/-	
8617581865 saikatmaji1617@gmail.com	Saikat Maji	Rs 100/-	
7775938707 kolaykunal2004@gmail.com	Kunal Kolay	Rs 100/-	
8016026091 / iamudordm1938@gmail.com	Sudarsan Sanyal for Kishu	Rs 100/- Rs 100/-	
-7585830442 Parbatpata@gmail.com	Maheswar Mahato	Rs 100/-	
6297838743 mondel11rahul@gmail.com	Rahul Mondal	Rs 100/-	
	Nishant K Sharma	Rs 100/-	
	Subhajit Laik	Rs 100/-	
	Asharma	Rs 100/-	
	Kajal Kumari	Rs 100/-	
	Neha Prasad	Rs 100/-	
	Ashma Khanam	Rs 100/-	
6296793516 aratipatar8512@gmail.com	Arati Patar	Rs 100/-	
	Parthajit Mahato	Rs 100/-	
	Kingshuk Mandal	Rs 100/-	
	Kishu	Rs 100/-	

REGISTRATION FOR GUEST

TEACHERS, SCHOLARS & STUDENTS

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2	Dr. Snigdha Roy	Assistant Prof., B.B. College, Asansol
3	Dr. Nivedita Acharjee	Assistant Prof., Durgapur Govt. College
4	Ms. Indrani Banerjee	Research Scholar, NIT Durgapur
5	Ms. Udit Mukhopadhyay	Student, Medical College Kolkata
6	Ms. Ipsita Som	Research Scholar, NIT Durgapur
7	Dr. Amar Hens	Asst. Professor, Govt. General Degree College, Manikganj
8	Dr. Somnath Choudhary	Asst. Professor, Govt. General Degree College, Manikganj
9	Dr. Sanjay Pandey	Asst. Prof., B.B. College, Asansol
10	Dr. Swapan Kr. Ghosh	Asst. Prof., Durgapur Govt. College
11	Dr. Bidyut Akhuli	Asst. Prof., Govt. General Degree College, Manikganj
12	Ms. Ananya Chaudhuri	Research Scholar, SKBU Purnia
13	Ms. Anita Mondal	Senior Research Fellow, NIT Durgapur
14	Ms. Shipra Mukhopadhyay	Research Scholar, NIT Durgapur
15	Dr. Kusik Mukherjee	Asst. Professor, B.B. College, Asansol
16	Dr. Sudipta Saha	Assistant Prof., TDB College
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25	Dr. Kalyan Kumar Rana	, Taurupta Mahavidyalaya
26	Dr. Animesh Mondal	Asst. Professor, B.B. College, Asansol
27	Dr. Sabina Pradhan	Asst. Professor, B.B. College, Asansol
28	Ms. Sohini Dutta	, B.B. College, Asansol
29	Dr. Anup Ghosh	Faculty, Kazi Nazrul University
30	Mr. Patit Paban Maik	Asst. Prof., B.B. College, Asansol
31	Mr. Subhadeep Samanta	Research Scholar, Syamsundar College
32	Dr. Palash Mondal	Assistant Professor, Vivekananda Mahavidyalaya, Burdwan
33	Dr. Pinaki Mondal	Assistant Prof., Bankura Sammilani College
34	Dr. Sutanuwa Mondal	Asst. Prof., B.B. College, Asansol
35	Dr. Soumya Ganguly Neogi	Asst. Prof., Chandernagore College

E-MAIL ID & PHONE NO	SIGNATURE	REGN. FEES	PAID/DUE
anvesha.1@rediffmail.com	Acharya 4.2.2020	Rs. 1200.00	Paid
snigdhabb15@gmail.com	Snigdha Roy	Rs. 1200.00	Paid
nivchen@gmail.com	Nivedita Acharjee	Rs. 1200.00	Paid
indrani.combio@gmail.com	Indrani Banerjee	Rs. 700.00	Paid
udita mukhopadhyay@gmail.com	Udit Mukhopadhyay	Rs. 700.00	Paid
som.ipsita@gmail.com	Ipsita Som	Rs. 700.00	Paid
amarjuchen@gmail.com	Amar Hens	Rs. 1200.00	Paid
somnathchoudhary@gmail.com	Somnath Choudhary	Rs. 1200.00	Paid
spaney_01@rediff.com	Sanjay Pandey	Rs. 1200.00	Paid
trinit2003@gmail.com	Bidyut Akhuli	Rs. 1200.00	Paid
akhuliBidyut2009@gmail.com	Bidyut Akhuli	Rs. 1200.00	Paid
ananya.ch6@gmail.com	Ananya Chaudhuri	Rs. 1200.00	Paid
pr_banerjee@meri.res.in	Anita Mondal	Rs. 700.00	Paid
shipramukhopadhyay55@gmail.com	Shipra Mukhopadhyay	Rs. 700.00	Paid
nlmukherjee803@gmail.com	Kusik Mukherjee	Rs. 1200.00	Paid
sudiptosuri@gmail.com	Sudipta Saha	Rs. 1200.00	Paid
gorai_soma@rediffmail.com	Soma Gorai	Rs. 1200.00	Paid
bankinghosh@yahoo.co.in	Bankim Chandra Ghosh	Rs. 1200.00	Paid
saucharisaha750@yahoo.com	Sauchari Saha	Rs. 700.00	Paid
sumanchen54@gmail.com/6291822479	Suman Chowdhury	Rs. 700.00	Paid
shampakundu2015@gmail.com	Shampa Kundu	Rs. 700.00	Paid
atanurakshit047@gmail.com	Atanu Rakshit	Rs. 700.00	Paid
hazra.ashoke@gmail.com	Ashoke Hazra	Rs. 1200.00	Paid
shovanku@gmail.com	Shovan Mondal	Rs. 1200.00	Paid
kalyankrana@yahoo.co.in	Kalyan Kumar Rana	Rs. 1200.00	Paid
animeshmondal.2001@gmail.com	Animesh Mondal	Rs. 1200.00	Paid
psabiral2@gmail.com	Sabina Pradhan	Rs. 1200.00	Paid
patitbu@rediffmail.com	Patit Paban Maik	Rs. 1200	Paid
subhadeep1994tuchem@gmail.com	Subhadeep Samanta	Rs. 700	Paid
polchemvb2005@gmail.com	Palash Mondal	Rs. 1200.00	Paid
p_naki@rediffmail.com	Pinaki Mondal	Rs. 1200.00	Paid
sutanuwa@gmail.com	Sutanuwa Mondal	Rs. 1200.00	Paid
soumya14ganguly@rediffmail.com	Soumya Ganguly Neogi	Rs. 1200.00	Paid

SL	NAME	DESIGNATION & INSTITUTION	EMAIL & PHONE NO	SIGNATURE	REGN. FEES	PAID/DUE
36.	Dr. Sadhan Mondal ✓	Assistant Professor, Vivekananda Mahavidyalaya, Burdwan	drsmchem@yahoo.com	Sadhan Mondal	Rs. 1200	Paid
37.	Dr. Dipak Kumar Rana	Assistant Prof., Saldaha College	drpeju@yahoo.co.in	Saldaha	Rs. 1200	Paid
38.	Mr. Kanta Mohan Kisku	Assistant Prof., Panchmura Mahavidyalaya	kantamohankisku@gmail.com	Kanta Mohan Kisku	Rs. 1200.00	Paid
39.	Mr. Sudip Saha	Assistant Prof., Saldaha College	sahasudip1975@gmail.com/9431242352	Saldaha	Rs. 1200.00	Paid
40.	Dr. Mahua Karumakar	Asst. Prof., Raghunathpur College	wakua_apc@yahoo.com/9474378710	M. Karumakar	Rs. 1200.00	Paid
41.	Nilam Sing	Vivekananda Mahavidyalaya, Burdwan	nilam.singh649@gmail.com	Nilam Sing	Rs. 1200.00	Paid
42.	Dr. Subrata Kumar Saha	Sambhunath College	subratasahasbolpur@gmail.com	Saha	Rs. 1200.00	Paid
43.	Mr. Uday Chand Saha	Indas Mahavidyalaya	sahaudaychand@gmail.com	U.Saha	Rs. 1200.00	Paid
44.	Dr. Tahin Ghosh	Assistant Professor, Durgapur Govt. College	tahinghoshbuchen@gmail.com	Tahin Ghosh	Rs. 1200.00	Paid
45.	Dr. Manesh Kumar Manna	Assistant Professor, Saldaha College	manna.manesh1402@gmail.com/9564099119	Manna	Rs. 1200.00	Paid
46.	Dr. Bineta Dutta	Assistant Prof., B.B. College, Asansol	drbinetadutta@gmail.com	Bineta	Rs. 1200.00	Paid
47.	Dr. Sushama Sain	Kulti Girls' High School	sushamabera50075@gmail.com	Sushama	Rs. 1200.00	Paid
48.	Dr. Parikshit Mandal ✗	Assistant Prof., Durgapur Govt. College	pcpm83@rediffmail.com	Parikshit Mandal	Rs. 1200.00	Paid
49.	Dr. Parrajyoti Karumakar	Assistant Prof., Govt. General Degree College, Kalna	parrajyoti@gmail.com	Parrajyoti Saha	Rs. 1200.00	Paid
50.	Dr. Angana Ghoshal	Assistant Professor, TDB College, Raniganj	angana06@gmail.com	Angana Ghoshal	Rs. 1200.00	Paid
51.	Mr. Shubam Mukherjee	Research scholar, The University of Burdwan	shubam82@gmail.com/9933937798	Shubam Mukherjee	Rs. 700.00	Paid
52.	Ms. Pallabi Banerjee	Research scholar, The University of Burdwan	pallabibanerjee1111@gmail.com/7797636005	Pallabi Banerjee	Rs. 700.00	Paid
53.	Dr. Sadhana Kharwas	SKBU Purulia	bichemjyoti@gmail.com	Sadhana	Rs. 1200.00	Paid
54.	Dr. Jyotirmoy Ghosh	Asst. Prof., B.B. College, Asansol	surajitjama@yahoo.com	Jyotirmoy Ghosh	Rs. 1200.00	Paid
55.	Dr. Surajit Jama	Asst. Prof., Asansol Girls' College	sasadharrajmaji@gmail.com	Surajit	Rs. 1200.00	Paid
56.	Dr. Sasadhar Majhi	Asst. Prof., TDB College, Raniganj	sandip1ku@gmail.com	Sasadhar Majhi	Rs. 1200.00	Paid
57.	Dr. Sandip Kumar Rajak ✗	Assistant Professor, Dumka College	samirmandal@gmail.com	Sandip	Rs. 1200.00	Paid
58.	Dr. Samir Kumar Mandal ✗	Assistant Professor, Saldaha College	utpal.adhikari@ch.nitdgp.ac.in	Samir	Rs. 700.00	Paid
59.	Mousumi Singha	Research scholar, NIT Durgapur	rajeevvan7@yahoo.com/08789954112	Mousumi	Rs. 1200.00	Paid
60.	Dr. Rajeev Ranjan	Asst. Professor, DSPM University, Ranchi	gkjama38@gmail.com	Rajeev Ranjan	Rs. 1200.00	Paid
61.	Dr. Goutam Kumar Jena	Asst. Prof., Asansol Girls' College	paledhisushovan90@gmail.com	Goutam	Rs. 1200.00	Paid
62.	Dr. Sushovan Paladhi	Amugrah Narayan Singh College	ray.soyami1988@gmail.com	Sushovan	Rs. 1200.00	Paid
63.	Dr. Soyami Ray	Assistant Prof., The University of Burdwan	subratajamanchen@gmail.com/878291539	Soyami	Rs. 700.00	Paid
64.	Mr. Subrata Jana	Asst. scholar, The University of Burdwan	arjunsut@gmail.com	Subrata Jana		
65.	Dr. Arjun Kumar	M.H.M. College, Sonbarsa, Bihar	drsksethicheemistry@gmail.com	Arjun		
66.	Dr. Sambosh K. Sethi	BSS College, Supant, Bihar	utpalshuchin@gmail.com	Sambosh K. Sethi	Rs. 1200.00	Paid
67.	Dr. Utpal Adhikari	Assistant Prof., NIT, Durgapur	dmkank2008@yahoo.com	Utpal Adhikari	Rs. 1200.00	Paid
68.	Dr. Ashis K. Dutta	Associate Prof., B.B. College	hasrajyoti@gmail.com	Ashis K. Dutta	Rs. 1200.00	Paid
69.	Dr. Jyoti Hazra	APT, Kulti College	kansik_careb@rediffmail.com	Jyoti Hazra	Rs. 1200.00	Paid
70.	Kansik Chatterjee ✗	Asstt. Professor, Burdwan Raj College		Kansik	Rs. 1200.00	Paid

LIST FOR ORAL PRESENTATIONS

DATE: 4th FEBRUARY 2020

	<i>Name</i>	<i>Department and Institution</i>
1	Ms. Anwesa Chaudhuri	Department of Zoology, Lady Brabourne College, Suhrawardy Avenue, Beniapur, Kolkata-700017
2	Dr. Snigdha Roy	Department of Chemistry, Banwarilal Bhalotia College Asansol
3	Dr. Nivedita Acharjee	Department of Chemistry, Durgapur Government College, Durgapur-713214
4	Ms. Ananya Chaudhuri	Polymer and Textile Research Laboratory, Department of Chemistry, Sidho-Kanho-Birsha University, Purulia, West Bengal, India
5	Ms. Udit Mukhopadhyay	Medical College Kolkata
6	<u>Ms. Shipra Mukhopadhyay</u>	Department of Chemistry, National Institute of Technology, Durgapur, 713209, West Bengal
7	Dr. Amar Hens	Department of Chemistry, Govt. General Degree College Ranibandh, Bankura, 722135, W B
8	Dr. Somnath Choubey	Department of Chemistry, Government General Degree College, Manbazar-II, Susunia, PO-Kumari, Purulia, Pin-723131, West Bengal
9	Dr. Sanjeev Pandey	Department of Botany, B. B. College, Asansol, Burdwan 713304, WB
10	Dr. Swapan Kr. Ghosh	Department of Physics, Durgapur Govt. College, Durgapur-713214
<u>DATE: 5th FEBRUARY 2020</u>		
11	Dr. Bidyut Akhuli	Govt. General Degree College, Manbazar-II, Purulia-723131
12	Dr. Indrani Banerjee	Department of Chemistry, National Institute of Technology Durgapur
13	Ms. Amita Mondal	Surface Engineering & Tribology Group, CSIR-Central Mechanical Engineering Research Institute, M. G. Avenue, Durgapur 713209, West Bengal, India. Department of Chemistry, National Institute of Technology, M. G. Avenue, Durgapur, 713209, India
14	Ms. Ipsita Som	Department of Chemistry, National Institute of Technology, Durgapur 713209, India
15	Dr. Kousik Mukherjee	Physics Department, B B College, Asansol, West Bengal

LIST OF PARTICIPANTS FOR POSTER PRESENTATIONS

Sl. No.	Name	Department and Institution	Phone Number & Email ID
1	Dr.Sudipta Saha	Department of Chemistry, Trivenidevi Bhalotia College, Raniganj	E-mail: sudiptosuri@gmail.com . Mob:
2	Dr. Soma Gorai	Department of Chemistry, Asansol Girls' College, Asansol	E-mail: gorai_soma@rediffmail.com Mob:
3	Dr. Bankim Chandra Ghosh	Department of Chemistry Government General Degree College, Singur, Jalaghata, Hooghly-712409, West Bengal, India.	E-mail: bankimghosh@yahoo.co.in Mob:
4	Ms. Sanchari Saha	Department of Chemistry, Visva-Bharati, Santiniketan	E-mail: sancharisaha750@yahoo.com Mob:
5	Mr. Suman Chowdhury	Department of Chemistry, The University of Burdwan	E-mail: sumanchem54@gmail.com Mob: 6291822479
6	Ms. Shampa Kundu	Department of Chemistry, Visva-Bharati University, Santiniketan	E-mail: shampakundu2015@gmail.com Mob:
7	Mr. Atanu Rakshit	Department of Chemistry, The University of Burdwan	E-mail: atanurakshit047@gmail.com Mob:
8	Dr. Ashoke Hazra	Department of Chemistry, A.K.P.C. Mahavidyalaya	E-mail: hazra.ashoke@gmail.com Mob:
9	Dr. Shovan Mondal	Department of Chemistry, Syamsundar College, Shyamsundar,Purba Barddhamanm	E-mail: shovanku@gmail.com Mob:
10	Dr. Kalyan Kumar Rana	Department of Chemistry, TamraliptaMahavidyalaya	E-mail: kalyankrana@yahoo.co.in Mob:
11	Dr. Animesh Mondal	Deptment of Botany, BanwarilalBhalotiaCollege, Asansol	E-mail: animeshmondal.2001@gmail.com
12	Dr. Sabina Pradhan	Deptment of Botany,	E-mail:

		BanwarilalBhalotiaCollege, Asansol	Mob:
13	Dr. Sohini Dutta	Department of Environmental Science, BanwarilalBhalotiaCollege, Asansol	E-mail: Mob:
14	Dr. Arup Ghosh	Department of Animal Science, KaziNazrul University, Asansol	E-mail: Mob:
15	Mr. Patit Paban Malik	Department of Chemistry, B.B. College, Asansol	E-mail: patitbu99@rediffmail.com Mob:
16	Mr. Subhadeep Samanta	Department of Chemistry, Syamsundar College, Shyamsundar, Purba Bardhaman	E-mail: shovanku@gmail.com Mob:
17	Dr. Palash Mondal	Department of Chemistry (UG & PG), Vivekananda Mahavidyalaya, Burdwan, Purba Bardhaman	E-mail: polchemvb2005@gmail.com Mob:
18	Dr. Pinaki Mandal	Department of Chemistry, BankuraSammilani College, Kenduadihi-722102, Bankura	E-mail: p_naki@rediffmail.com Mob:
19	Dr. Sutanuva Mandal	Department of Chemistry, BanwarilalBhalotia College, Asansol	E-mail: sutanuva@gmail.com Mob:
20	Dr. Soumya Ganguly Neogi	Department of Chemistry, Chandernagore College, Chandannagar 712136	E-mail: soumya44ganguly@rediffmail.com Mob:
21	Dr. Sadhan Mondal	PG Department of Chemistry, Vivekananda Mahavidyalaya, Burdwan- 713103	E-mail: drsmchem@yahoo.com Mob:
22	Dr. Dipak Kumar Rana	Assistant Professor Department of Chemistry Saldiha College (Affiliated to Bankura University) Bankura, West Bengal	Mob: 9007352524 E-mail: drpcju@yahoo.co.in
23	Mr. Kanta Mohan Kisku	Assistant Professor, Department of Chemistry, PanchmuraMahavidyalaya, Bankura	E-mail: kantamohankisku@gmail.com Mob:

24	Mr. Sudip Sahana	Department of Chemistry, Saldiha College, Saldiha, Bankura – 722173, India.	E-mail: sahanasudip1975@gmail.com Mob:9434242852
25	Dr. Mahua Karmakar	Department of Physics, Raghunathpur College, Raghunathpur, Purulia.	E-mail: mahua_apc@yahoo.com Mob: 9474378710
26	Nilam Sing	Vivekananda Mahavidyalaya, Burdwan	E-mail: nilam.singh649@gmail.com
27	Dr. Subrata Kumar Saha	<i>Department of Physics, SambhuNath College, Labpur, Birbhum 731303, West Bengal, India</i>	E-mail: subratasaha.bolpur@gmail.com Mob:
28	Mr. Uday Chand Saha	<i>Department of Chemistry, Indas Mahavidyalaya, Indas, Bankura 722205, West Bengal, India</i>	E-mail: sahaudaychand@gmail.com Mob:
29	Dr. Tuhin Ghosh	Department of Chemistry, Durgapur Government College, Durgapur, West Bengal, 713214, India	E-mail: tuhinghoshbuchem@gmail.com Mob:
30	Sriparna Ray	Department of Zoology, Bidhan Chandra College, Asansol, WB, India. Post Graduate Department of Zoology, Vivekananda College, Kolkata, WB, India.	E-mail: sriparnaray041984@gmail.com Mob:
31	Dr. Manash Kumar Manna	<i>Department of Chemistry, Saldiha College, Saldiha, Bankura, West Bengal-722173</i>	E-mail: manna.manash1402@gmail.com Mob: 9564049119
32	Dr. SkMd Samim Akhtar	<i>Department of Chemistry, Bidhan Chandra College, Asansol-713304, West Bengal, India</i>	E-mail: samimakhtar00@gmail.com Mob:

33	Dr. Binita Dutta	Department of Chemistry, B.B. College, Asansol WB 713303	E-mail: drbinitadutta@gmail.com Mob:
34	Dr. Sushama Sain	Kulti Girls' High School, Kulti, W.B.	E-mail: sushamabera50075@gmail.com Mob:
35	Dr. Parikshit Mandal	Durgapur Women's College, Department of Chemistry, Durgapur- 713209, India	E-mail: pcpm83@rediffmail.com Mob:
36	Dr. Parnajyoti Karmakar	Government General Degree College at Kalna-I, Medgachi, Purba Bardhaman – 713405	E-mail: parnajyoti@gmail.com Mob: 9434836693
37	Dr. Sutapa Adhikari Mazumder	Department of Chemistry, Bidhan Chandra College, Asansol – 713 304	E-mail: sutapashuchi1@gmail.com Mob:
38	Dr. Angana Ghoshal	Department of Zoology, Triveni Devi Bhalotia College, Raniganj-713347	E-mail: angana06@gmail.com Mob:
39	Mr. Subham Mukherjee	Department of Chemistry, The University of Burdwan, WB	E-mail: shuvamm82@gmail.com Mob: +91 9933937748
40	Ms. Pallabi Banerjee	Department of Chemistry, The University of Burdwan, WB	Email: pallabibanerjee1111@gmail.com Mob: +91 7797636005
41	Dr. Sadhana Khawas	Department of Chemistry, Sidho- Kanho-Birsha University Purulia, West Bengal, India	E-mail: Mob:
42	Dr. Jyotirmoy Ghosh	Chemistry department Banwarilal Bhalotia College, Asansol	E-mail: bichemjyoti@gmail.com Mob:
43	Dr. Surajit Jana	Department of Chemistry, Asansol Girls' College, Asansol, 713304	E-mail: surajitjana@yahoo.com

44	Dr. Sasadhar Majhi	Department of Chemistry (PG), T.D.B. College, Raniganj, West Bardhaman	E-mail: sasadharmajhi@gmail.com Mob:
45	Sandip Kumar Rajak	Department of Chemistry, Dumkal College, Basantapur, Murshidabad	E-mail: sandip1ku@gmail.com Mob:
46	<i>Dr Samir Kumar Mandal</i>	Department of Chemistry, Saldiha College, Saldiha, Bankura, WB-722173	E-mail: samirmandal2004@gmail.com Mob:
47	Dr. Sujit Kumar Bera	Department of Chemistry, Bidhan Chandra College, Asansol – 713 304	Email: sujitkbera@gmail.com Mob:
48	Mousumi Singha	Department of Chemistry, National Institute of Technology Durgapur, Durgapur, West Bengal, India	E-mail: utpal.adhikari@ch.nitdep.ac.in Mob:9434389433
49	Dr. Rajeev Ranjan	Department of Chemistry, DSPM University, Ranchi	E-mail : rajeevran7@yahoo.com Phone No - 08789954112
50	Dr. Goutam Kumar Jana	Asansol Girls' college, Asansol	Gkjana38@gmail.com
51	Pradip Kumar Maji	Department of Chemistry, Bidhan Chandra College, Asansol, PaschimBardhaman, WB, India,	E Mail ID: pradip_maji@yahoo.co.in
52	Dr. Sushovan Paladhi	Department of Chemistry, Anugrah Narayan Singh College (A constituent unit of Patliputra University, Patna), Barh, Patna, Bihar 803213, India	Email: paladhisushovan90@gmail.com
53	Dr Tapan Kr. Si	Department of Chemistry, Bidhan Chandra College, Asansol	Email:
54	Dr Arjun Kumar	Department of Chemistry, M.H.M. College Sonbarsa, Saharsa-852129 Bihar, India.	E-mail Id:- arjunsmt@gmail.com

55	Dr Satntosh Kr Sethi	BSS College, Supaul, Bihar, India.	E-mail-drsksethichemistry@gmail.com
56.	Dr Sayani Ray	University of Burdwan , Burdwan	ray.sayani1988@gmail.com

BIDHAN CHANDRA COLLEGE, ASANSOL-04 (Govt. Sponsored)
ADDA Sponsored Two Day International Seminar on
Advancements in Chemical Sciences: Issues and Challenges

4th February, 2020

Registration: 8:30 A.M. – 10.30 A.M.
Inauguration and Keynote address: 10.30 A.M.-11:30AM
Welcome address: Dr Falguni Mukhopadhyay, Principal B. C. College, Asansol – 4.
Special Guest address:
Keynote address: Dr Prasanta Ghorai, IISER, Bhopal
Technical Session I: (11:30-12:00)
Chairperson: Dr Prasanta Ghorai, IISER, Bhopal
Speaker: 11.30 – 12.00: Dr Anirban Akhand, PARI, Japan
Tea Break: 12:00. – 12:15 PM.
Technical Session II: (12:15 PM. – 1:45 P.M.)
Chairperson: Dr Sudip Kr Das, CU
Speaker: 12.15 – 12.45: Dr Prasanta Ghorai, IISER, Bhopal
12.45 – 1.15: Dr Ashanendu Mandal, ONGC
1.15 – 1.45: Dr Aparna Banerjee, Chile
Lunch Break & Poster Presentation: 1.45 P.M. – 3.00 P.M.
Technical Session III: (3.00 P.M. – 4.00 P.M.):
Chairperson: Dr Ashanendu Mandal, ONGC
Speaker: 3.00 – 3.30: Dr Sudip Kr Das, CU
3.30 – 4.00: Mr. Anindya Roy, IISCO
Oral presentation: (4.00- 5:30 PM)

.....
5th February, 2020

Technical Session I: (10.30 A.M. – 12.30 P.M.):
Chairperson: Dr S. Bhattacharyya, JU
Speaker: 10.30 – 11.15: Dr. C. R. Sinha, JU
Tea Break: 11.15. – 11.30 AM.
Technical Session II: (11.30 A.M. – 1.45 P.M.):
Chairperson: Dr. C. R. Sinha, JU
Speaker: 11.30 – 12.15: Dr S. Bhattacharyya, JU
12.15 – 1.00: Prof Nikos Hadjichristidis, KAUST Saudi Arabia
1:00 – 1.45: Dr. Apurba Lal Konar, IISER, Bhopal
Lunch Break & Poster Presentation: 2.00 P.M. – 3.00 P.M.

Technical Session III: (3.00 P.M. – 4.30 P.M.):

Chairperson: Dr Prasanta Ghorai, IISER, Bhopal

Speaker: 3.00 – 3.45: Dr B. Ray, BU

3.45 – 4.30: Dr. R. Saha, NIT, Durgapur

Oral presentation: (4.30- 5:00 PM)

Valediction: (5.00 P.M. – 5.30 P.M.)

Valedictory address: Dr. F. Mukhopadhyay, Principal, Bidhan Chandra College

Vote of thanks:

Certificate Distribution:

The certificate is for a seminar titled "ADVANCEMENTS IN CHEMICAL SCIENCES: ISSUES AND CHALLENGES" held at Bidhan Chandra College, Asansol, West Bengal, India. The seminar was organized by the Department of Chemistry in collaboration with the Indian Chemical Society. It was sponsored by the Asansol Development Authority (ADDA). The certificate mentions that a participant, Dr. Prof./Mr./Ms. [Name], actively participated in the seminar on "Advancements in Chemical Sciences: Issues and Challenges" at Bidhan Chandra College, Asansol, West Bengal, India during 4th and 5th February, 2020. The certificate is signed by Dr. Pradip Kumar Maji (Convener, B. C. College), Prof. Chittaranjan Sinha (Secretary, Indian Chemical Society), Dr. Falguni Mukhopadhyay (Principal, B. C. College), and Prof. Sadhan Chakraborti (Vice Chancellor, Kazi Nazrul University).

Asansol Development Authority (ADDA)
SPONSORED INTERNATIONAL SEMINAR ON
ADVANCEMENTS IN CHEMICAL SCIENCES:
ISSUES AND CHALLENGES
Department of Chemistry
Bidhan Chandra College
Asansol, West Bengal, India
In Collaboration With Indian Chemical Society
92, Acharya Prafulla Chandra Road, Kolkata 70009

This is to certify that Dr./Prof./Mr./Ms. L2 actively participated /presented a paper/ presented poster/delivered invited lecture entitled "....." in the International Seminar on "Advancements in Chemical Sciences: Issues and Challenges" at Bidhan Chandra College, Asansol, West Bengal, India during 4th and 5th February, 2020.

L3

Dr. Pradip Kumar Maji
Convener
B. C. College

Prof. Chittaranjan Sinha
Secretary
Indian Chemical Society

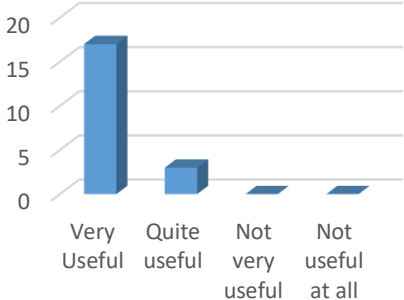
Dr. Falguni Mukhopadhyay
Principal
B. C. College

Prof. Sadhan Chakraborti
Vice Chancellor
Kazi Nazrul University

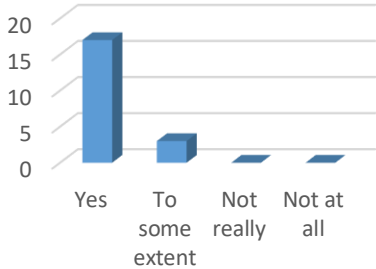


FEEDBACK SUMMARY REPORT

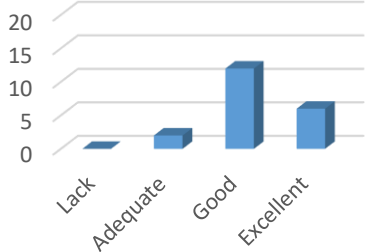
Q1. Did you find the program useful?



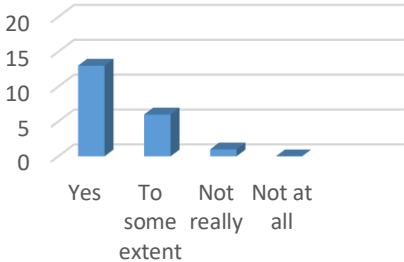
Q2. Did it cover what you were expecting?



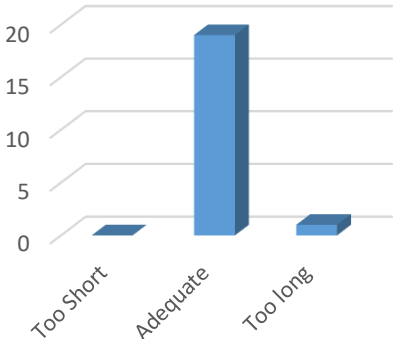
Q3. Please rate the speakers on their delivery style



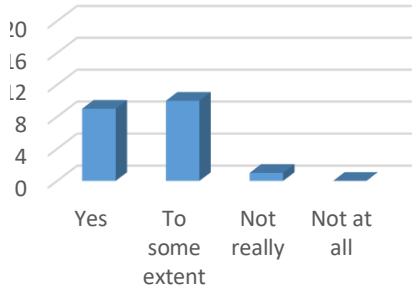
Q4. How relevant was the content to your expectation?



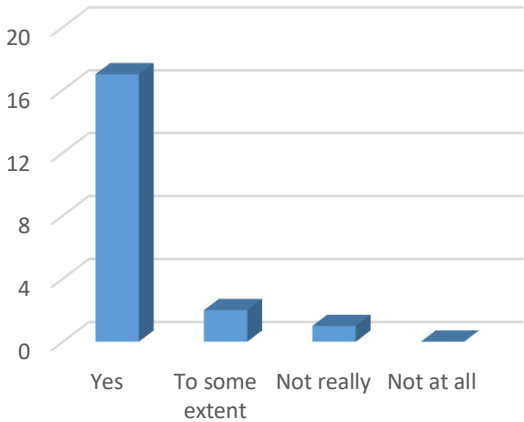
Q5. Program duration



Q6. Are you familiar with the topics of this program?



Q7. Did you like the venue in terms of location and comfort?



FEEDBACK SAMPLE COPY

FEEDBACK FORM

INTERNATIONAL SEMINAR

on

ADVANCEMENTS IN CHEMICAL SCIENCES: ISSUES AND CHALLENGES

BIDHAN CHANDRA COLLEGE, Asansol, Paschim Bardhaman 713304

with

INDIAN CHEMICAL SOCIETY, 92, Acharya Prafulla Chandra Road, Kolkata 700009

4th - 5th February, 2020

NAME OF THE PARTICIPANT: DR. SNIGDHA ROY
 DESIGNATION: ASSISTANT PROFESSOR
 ADDRESS: B.B. COLLEGE ASANSOL
 MOBILE NO. & E-MAIL ID: Snigdhabbc15@gmail.com

Sl. No.	ITEMS	RATING (Please tick, ✓)
1	Did you find the program useful?	Very useful ✓ Quite useful Not very useful Not useful at all
2	Did it cover what you were expecting?	Yes ✓ To some extent Not really Not at all
3	Please rate the speakers on their delivery style	Lack Adequate Good ✓ Excellent
4	How relevant was the content to your expectation?	Yes ✓ To some extent Not really Not at all
5	Program duration	Too short Adequate ✓ Too long
6	Are you familiar with the topics of this program?	Yes ✓ To some extent Not really Not at all
7	Did you like the venue in terms of location and comfort?	Yes ✓ To some extent Not really Not at all
8	What subject areas did you find particularly useful?	Chemistry & its application in Industrial area
9	In terms of future program, are there any other related subject areas you would be interested in?	Chemistry aiming to meet the biological challenges

Signature of the participant with date *Snigdha Roy* 04/02/2020

FEEDBACK FORM

INTERNATIONAL SEMINAR

on

ADVANCEMENTS IN CHEMICAL SCIENCES: ISSUES AND CHALLENGES
BIDHAN CHANDRA COLLEGE, Asansol, Paschim Bardhaman 713304

with

INDIAN CHEMICAL SOCIETY, 92, Acharya Prafulla Chandra Road, Kolkata 700009
4th - 5th February, 2020

NAME OF THE PARTICIPANT: SHAMPA KUNDU

DESIGNATION: Research Scholar

ADDRESS: Visva-Bharati University, Santiniketan

MOBILE NO. & E-MAIL ID: 6297615686

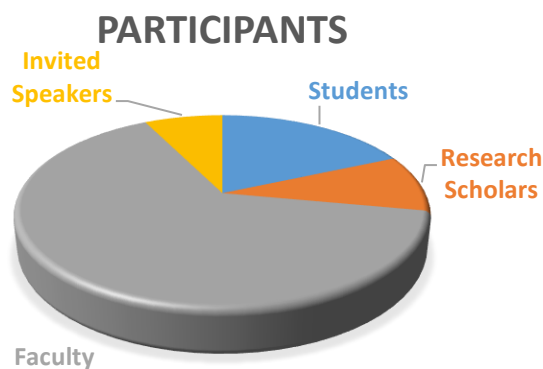
Shampakundu2018@gmail.com

Sl. No.	ITEMS	RATING (Please tick, ✓)
1	Did you find the program useful?	Very useful Quite useful ✓ Not very useful Not useful at all
2	Did it cover what you were expecting?	Yes ✓ To some extent Not really Not at all
3	Please rate the speakers on their delivery style	Lack Adequate Good ✓ Excellent
4	How relevant was the content to your expectation?	Yes ✓ To some extent Not really Not at all
5	Program duration	Too short Adequate ✓ Too long
6	Are you familiar with the topics of this program?	Yes To some extent ✓ Not really Not at all
7	Did you like the venue in terms of location and comfort?	Yes To some extent ✓ Not really Not at all
8	What subject areas did you find particularly useful?	Climate change and Blue Carbon
9	In terms of future program, are there any other related subject areas you would be interested in?	Supramolecular chemistry Analytical chemistry

Shampa Kundu 4/2/2020
Signature of the participant with date

Overview	
Programme Name:	INTERNATIONAL SEMINAR ON ADVANCEMENTS IN CHEMICAL SCIENCES: ISSUES AND CHALLENGES
Date of Programme:	4TH & 5TH FEBRUARY, 2020
Organized by:	Department of Chemistry, Bidhan Chandra College, Asansol, W.B., India 713304 In association with Indian Chemical Society, Kolkata, W.B., India
Funding	ASANSOL DURGAPUR DEVELOPMENT AUTHORITY (ADDA)
Convenor:	Dr. Pradip Kumar Maji, Bidhan Chandra College, Asansol, W.B., India.
Invited Speakers:	<ol style="list-style-type: none"> 1. Prof. Chittaranjan Sinha Secretary, Indian Chemical Society & Head, Department of Chemistry, Jadavpur University 2. Prof. Bimalendu Ray Department of Chemistry, University of Burdwan 3. Prof. Samaresh Bhattacharyya, Department of Chemistry, Jadavpur University 4. Dr Anirban Akhand Coastal and Estuarine Environment Research Group, PARI, Kanagawa, Japan 5. Prof. Nikos Hadjichristidis

	<p>King Abdullah University of Science and Technology (KAUST), Catalysis Center, Thuwal, Saudi Arabia</p> <p>6. Dr. Aparna Banerjee Department of Vicerrectoria de, Investigacion y Posgrado, Universidad Caltólicadel Maule, Talca, Chile</p> <p>7. Prof. Prasanta Ghorai Department of Chemistry, IISER Bhopal, MP</p> <p>8. Dr. Apurba Lal Koner Department of Chemistry, IISER Bhopal</p> <p>9. Prof. Rajnarayan Saha Department of Chemistry, NIT, Durgapur</p> <p>10. Mr. Anindya Roy Manager, IISCO Steel Plant</p> <p>11. Mr. Ashanendu Mandal Former General Manager, ONGC</p>
Number of Participants:	136



A BRIEF OVER-VIEW OF THE SEMINAR

Within a few decades chemical sciences have diversified its dimension from classroom subject to a subject for the betterment of mankind. Interdisciplinary nature of the subject and its enormous growth in manifold directions has now opened new horizons.

The primary objective of this international event was to uphold the advancements of this vivid subject and the challenges thus faced at the present scenario. Another important object of this seminar was to enhance interest about the subject among the students, the budding chemists of tomorrow and to bring before them an updated knowledge on recent developments and works that are going on around the world.

Spot registration started at 8:30 A.M. and continued till 10.30 A.M. Honb'le Vice Chancellor, Kazi Nazrul University and Patron-in-chief of this international seminar Prof. Sadhan Chakraborty, Honb'le Principal, B. C College, Asansol Dr Falguni Mukhopadhyay, Honb'le Registrar, KNU, Prof. Santanu Kr. Ghosh, Honb'l Controller of Examinations, KNU, Dr. Dipendra Nath Ghosh, Honb'l Treasurer, Indian Chemical Society & Professor & Head, Department of Chemical Engineering, University of Calcutta, Prof. Sudip Kr Das, Dr. Anirban Akhand from Coastal and Estuarine Environment Research Group, Port and Airport Research Institute, Kanagawa, Japan, Prof. Prasanta Ghorui from Department of Chemistry, Indian Institute of Science Education and Research, Bhopal, Dr Ashanendu Mandal, and Dr. Ashis Kumar Dey, Associate Prof. B. B. College were present in the inaugural function of this international seminar.

Inaugural session started at 10.30 A.M., where at first, Honb'le Vice Chancellor, KNU, Prof Sadhan Chakraborty inaugurated the function by lighting the lamp followed by other dignitaries. Dr Falguni Mukhopadhyay, Principal, B. C. College, delivered the welcome address. After the completion of the welcome address Prof Sadhan Chakraborty delivered the inaugural speech. Prof Prasanta Ghorui of Department of Chemistry, Indian Institute of Science Education and Research, Bhopal then delivered the key note address. The inaugural function continued till 11:30 am.

First technical session of the first day started at 11:30 am through the deliberation of Dr Anirban Akhand, Coastal and Estuarine Environment Research Group, Port and Airport Research Institute, Kanagawa, Japan. The topic of deliberation was 'Climate Change and Blue Carbon'. Dr Akhand quoted on the potential of CO₂, as a green-house gas, its rapid increase in concentration in the atmosphere (mostly due to anthropogenic activities) and its contribution to global warming

and climate change were realized long back. The oceans have been considered as major sink of atmospheric CO₂. Out of all the biological carbon captured in the world, 55% is captured by marine living organism, which is blue carbon, and they store a considerable fraction of carbon per year. Professor Prasanta Ghorai, IISER, Bhopal chaired this session.

Second technical session of the first day started at 12.15 pm. In the second technical session, Dr Prasanta Ghorui delivered his talk. In his deliberation, he elaborated on the topic “Bifunctional Organocatalytic Michael Additions as the Key Strategy: Enantioselective Synthesis of Fused and Spirocyclic Organic Molecules”. The speaker said that intramolecular oxa-, aza- and carba- Michael reactions are the most fundamental but very powerful tools to construct oxa-, aza-, and carba-cycles, respectively. The development of the corresponding asymmetric variants, often, remained significantly challenging. Dr Sudip Kr Das chaired the session. The session continued till 12:45 pm.

In second lecture of the technical session II, Mr Ashanendu Mandal, former General Manager ONGC elaborated the topic “EOR – An automatic choice for increasing oil production in the current oil price scenario”. Mr Mandal focused on the gradual advancement in technological innovation for enhanced oil recovery (EOR) from mature oil fields. Speaker through the lecture discussed various technologies to increase oil production. The session was over at 1.15 pm.

After the session the lunch break and poster presentation started at 1:15 pm. Participants from various research institutions, colleges and universities from different parts of the country took part in the poster presentation and displayed their recent research findings. Dr Prasanta Ghorui judged the entire session. This session continued till 3:00 pm.

Technical Session III started at 3:00 pm and continued till 3:45 pm through deliberation and interaction with the participants. In this session Dr Sudip Kr Das, Treasurer, Indian Chemical Society & Professor & Head, Department of Chemical Engineering, University of Calcutta delivered the lecture and the topic of discussion was “Artificial Neural Network modelling and the Cr(VI) removal from aqueous solution in batch and continuous mode using rubber leaves” Dr Das emphasized on the removal of Cr (VI) metal ion from aqueous solution to minimize the metal toxicity by ANN modeling using rubber leaves. The speaker also discussed the present study carried out for removal of Cr (VI) from aqueous solution by using rubber leaf in batch and continuous column mode and the effects of pH, adsorbent dose, contact time, initial metal ion concentration, and temperature on removal of Cr (VI) in a batch process. The effects of flow rate,

bed height, and initial metal ion concentration on removal efficiencies in the column was also discussed. Mr Ashanendu Mandal chaired the session.

Last invited lecture of the first day of third session started at 3.30 pm. and Mr. Anindya Roy, of IISCO Steel Plant, Steel Authority of India Ltd discussed on the topic of “Chemistry at Work in an Integrated Steel Plant – Perspective, Problems and Challenges”. Speaker said that an integrated steel plant is one of the industries which take bulk chemical processing of natural materials to staggering proportions. Handling materials and managing chemical processes in the millions of tons a year avoiding any substantial environmental impact poses unique problems in an integrated steel plant. IISCO steel plant is one of the few integrated steel mills in India which is designed as a single blast furnace plant making it a marvel of synchronization of physico-chemical kinetics. Mr. Ashanendu Mandal chaired the session. The session ended through the interaction with participants.

In the last hour of the first day program numbers of participants presented their research findings in short duration micro presentation (oral presentation). Dr Prasanta Ghorui judged the overall short duration oral presentation by the participants. The program of the first day ended after the completion of the oral presentation of the participants at 5:30 pm.

Journey of the second day started with the felicitation program at 10:15 a.m. on 5th February, 2020. In this felicitation program our Principal Dr Falguni Mukhopadhyay felicitated the distinguished speakers Prof. Chittaranjan Sinha, Secretary, Indian Chemical Society & Head, Department of Chemistry, Jadavpur University and Prof. Samaresh Bhattacharyya, S.S. Bhatnagar Awardee, Department of Chemistry, Jadavpur University. In this occasion Dr Chittaranjan Sinha Secretary, Indian Chemical Society handed over a book to our principal as a token of gift. The session ended at 10:30 am.

First technical session of the second day started at 10:30 am. Dr Chittaranjan Sinha, Secretary Indian Chemical Society elaborated on the topic “New Direction in Coordination Chemistry: The Structure-Property Relationship in the Coordination Polymers (CPs) or Metal-organic frameworks (MOFs)”. Dr Samaresh Bhattacharyya chaired the session. According to speaker the coordination polymers (CPs) have progressed significantly in the two classes: (i) Inorganic CPs (i-CPs) and (ii) Organic bridging CPs (o-CPs). The porosity in the o-CPs is one of the most notable breakthroughs, who are specially named as metal–organic frameworks (MOFs) or porous coordination polymers (PCPs). The potential applications such as gas storage and

separation, catalysis, electrical conductivity, sensing, magnetism, drug delivery and solar cell of these compounds can be attained by varying diversity of framework structures of CPs or MOFs. Through this deliberation the speaker displayed some recent own research observation in that direction on account of the role of linker, metal knots and reaction condition, achieved during the last few years. This session continued till 11:15am through the interaction with participants.

After a short tea break, the second technical session started at 11:30 am. Dr Samaresh Bhattacharyya delivered the invited talk on “Synthesis of Organometallic Complexes and Their Application in Catalysis”. Prof. Bhattacharyya quoted that the chemistry of organometallic complexes has always been receiving special attention, particularly owing to their application in catalytic chemical transformation of organic substrates. Formation of a metal-carbon bond, that defines organometallic species, usually proceeds through a C-H, C-C or C-X (X = halogen atom) bond activation. Choice of suitable organic ligands, as well as of appropriate transition metal starting materials, is crucial for inducing such bond activation. Prof. Bhattacharyya showed the process of synthesizing organometallic complexes of the platinum group of metals, using a variety of organic ligands. Dr Chittaranjan Sinha chaired the session. All participants enjoyed and felt enriched with this talk.

Third lecture of the session II was delivered by Dr. Apurba Lal Konar, Department of Chemistry, IISER Bhopal. Dr Konar enlightened us with the lucid deliberation on ‘Perylenemonoimide Dyes for Ultra stable Radical Anion Generation and Single-component White-Light Emission’. Dr Konar through this deliberation presented the self-assembling process of PMI derivatives for single-component white-light emission and radical anion generation. The speaker also said that a unique dynamic self-assembling system embellished with energy transfer, excimer formation, H-aggregation and WL emission at different stages of assembly.

After completion of this session lunch break and poster presentation started at the scheduled time of 2.00 pm and continued till 3:00 pm. Several participants displayed their paper through this presentation. Prof Bimalendu Ray judged this session.

The third technical session started at 3:00 pm with the deliberation of Prof Bimalendu Ray, Ex Dean, faculty of Science, Department of Chemistry, and University of Burdwan. The topic of discussion was “Polysaccharide Sulfates from Natural Products: Structure, Chemical Modification and Antiviral Activities”. The speaker demonstrated that sulfated glucans generated from rice bran (*Oryzasativa*) can be utilized as experimental drugs exerting strong antiviral activity. In particular,

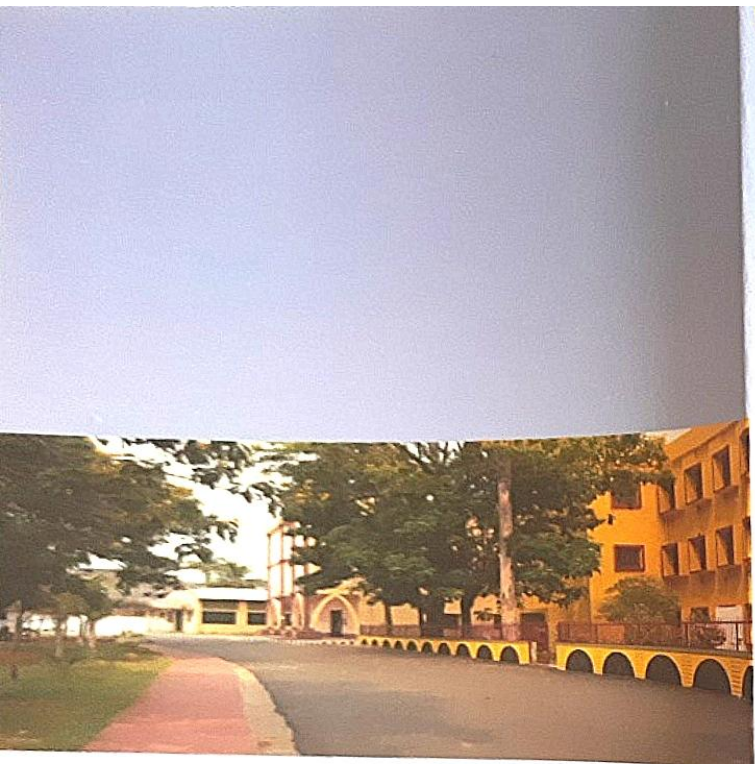
oleum–DMF-based amalgamated extraction-sulfation procedure for the generation of chemically sulfated glucans from commercially available rice bran was described. In the conclusion the speaker summarized that their approach offers a huge prospect for the improvement of natural source-derived libraries based on biologically active polysaccharides with diversified chemical profiles. Prof Rajnarayan Saha chaired this session and the session continued till 3.45 pm.

The second lecture of the technical session III was delivered by Prof Rajnarayan Saha, National Institute of Technology, Durgapur. Prof Saha delivered the lecture on the topic of “Green Chemistry Approaches for the Minimization of Pollution”. The speaker said that Green chemistry provides many benefits to human health and the environment by reducing waste without eliminating the end products of the manufacturing processes that we have come to rely on. Furthermore, in many cases there is a financial incentive for companies to produce less waste, which makes it likely that we will see more green chemistry initiatives in the future. Professor B Ray chaired the session. The session was over at 4.30 pm.

The second day’s oral presentation by the participants began at 4.30 pm. The following participants from different institutions presented their paper. Dr Rajnarayan Saha was the judge for this short duration presentation. The session ended with the completion of the presentation of the participants at 5:00 pm.

The valedictory session started at 5:30 pm with valedictory address by Principal, Bidhan Chandra College, Dr Falguni Mukhopadhyay. In this session the name of best oral and poster presenters selected by the organizing committee were declared and awarded with memento and certificates by the distinguished dignitaries present over there. The certificates of participation were also handed over to the enrolled participants. At last the programme was over with the vote of thanks by Dr Pradip Kumar Maji, the convener of the organizing committee and Dr Kanika Ghosh members of the Organizing committee acknowledged the generous financial supports received from the different sources. With this valedictory session the seminar ended at 5:30 pm.

Respected participants have given their feedback. Their valuable comments are really encouraging for us. We will try to improve on our drawbacks and shortcomings when we further organize such type of program in future.



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ADVANCEMENTS IN CHEMICAL SCIENCES: ISSUES AND CHALLENGES

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2020



Organized by
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