

Workshop on Advanced Materials and Applications

for teachers of nearby Colleges and Universities

25-26 August 2022

Department of Physics, Presidency University, Kolkata

Venue: A.K. Basak Auditorium, Ground Floor, Main Building

Schedule

Date	Time	Program
25.08.2022 (Thursday)	10.30 am - 10.45 am	Registration
	10.45 am - 11.00 am	Inauguration
	11.00 am - 11.15 am	Tea break
	11.15 am - 12.15 pm	Invited Lecture by Prof. Goutam Dev Mukherjee, IISER, Kolkata. <i>Title: Strain Effect on Transition Metal Dichalcogenides: Experimental Investigations at High Pressures</i>
12.15 pm - 01.15 pm	Oral presentation (15 minutes each)	
01.15 pm - 02.30 pm	Lunch	
02.30 pm - 03.30 pm	Invited Lecture by Prof. Subhratanu Bhattacharya, University of Kalyani. <i>Title: Lithium Battery Evolution and Future: Electrolytes' Contribution</i>	
03.30 pm - 04.30 pm	Poster presentation for all participants, Lab visit and discussion on project proposal writing, project management, and ethics in science & Tea	
26.08.2022 (Friday)	11.00 am - 12.00 pm	Invited Lecture by Prof. Satyaban Bhunia, SINP, Kolkata. <i>Title: Synchrotron Radiation and their Applications to Materials Characterization</i>
	12.00 am - 12.15 pm	Tea break
	12.15 pm - 01.15 pm	Invited Lecture by Prof. Dipak Kumar Goswami, IIT Kharagpur. <i>Title: Flexible Organic Electronic Devices for Smart Healthcare Technology</i>
	01.15 pm - 02.30 pm	Lunch
	02.30 pm - 03.00 pm	Invited Lecture by Dr. Rabishankar Giri, Presidency University, Kolkata. <i>Title: Doing Science in the Age of Publish or Perish</i>
03.30 pm - 04.30 pm	Valedictory session	

COUNTER SIGNED BY


Registrar
Presidency University
Kolkata - 700 073


Director
Internal Quality Assurance Cell (IQAC)
Presidency University
Kolkata-700073

Convener



Workshop on

ADVANCED MATERIALS AND APPLICATIONS

25-26 August 2022



Participation Certificate will be provided

Dept. of Physics I
Presidency University I Kolkata

For Teachers of Colleges and Universities
Sponsored by SERB under SSR Activities

Invited Lectures | Oral Presentation | Poster Presentation

Scope

Solar Cell, Photodetector & Energy Harvesting Materials
Ferroelectric Materials
Nanostructured Materials & Low Dimensional Systems
Polymeric Materials & Nano-composites
Magnetic and Dielectric Materials
Ab initio Calculation of Material Properties

Convener

Prof. Arabinda Nayak
arabinda.physics@presiuniv.ac.in

Organizing Committee

Prof. Arunava Chakrabarti, (Head of the Department of Physics)
Prof. Barun Raychaudhuri
Prof. Muktish Acharyya
Dr. Sukanta De
Dr. Debasish Datta

Registration Link

<https://rb.gy/2wcv7u>

Director
Internal Quality Assurance Cell (IQAC)
Presidency University
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A Report on two-day workshop on "Advanced Materials and Applications" organized by Prof. Arabinda Nayak, Department of Physics, Presidency University, Kolkata for teachers of nearby Colleges and Universities during the period 25-26 August 2022 (Venue: A.K. Basak Auditorium, Ground Floor, Main Building) sponsored by SERB under SSR activities. All interested faculty members of the department of Physics, organizing committee members and the postgraduate students were also participated in the workshop.

The main objective of the workshop was to acquaint the faculty members with the recent development and present knowledge on advanced & newly discovered materials for their future endeavors.

The program was inaugurated by Prof. Sankar Bose, Dean, Faculty of Natural and Mathematical Sciences, Presidency University along with an inaugural speech highlighting the importance of these topics for the participants.

The resource persons were Prof. Goutam Dev Mukherjee, IISER, Kolkata, Prof. Subhratanu Bhattacharya, University of Kalyani, Prof. Satyaban Bhunia, SINP, Kolkata, Prof. Dipak Kumar Goswami, IIT Kharagpur and by Dr. Rabishankar Giri, Presidency University, Kolkata. Prof. Goutam Dev Mukherjee explained *The Strain Effect on Transition Metal Dichalcogenides: Experimental Investigations at High Pressures*, Prof. Subhratanu Bhattacharya discussed *Lithium Battery Evolution and Future: Electrolytes' Contributio*, Prof. Satyaban Bhunia elaborated *Synchrotron Radiation and their Applications to Materials Characterization*, Prof. Dipak Kumar Goswami highlighted the importance of *Flexible Organic Electronic Devices for Smart Healthcare Technology* and Dr. Rabishankar Giri discussed a very importance topic on *Doing Science in the Age of Publish or Perish*.

The organizing committee also arranged the poster presentation for all participants and Lab visit of the participants. A discussion on project proposal writing, project management and ethics in science were also included in the workshop.

The event was successful. The workshop was relevant to the title and were well-appreciated by the participating faculty members. After completion of this workshop all the participants had felt encouraged to explore these areas in their research field in future.



Director
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Two-day workshop on "Advanced Materials and Applications"
25-26 August, 2022

For faculty of nearby Colleges/Universities under the SERB-Scientific Social Responsibility (SSR) activities
Department of Physics, Presidency University, Kolkata

Sl. No.	Name	Affiliation	Institutional address	Contact Number	Mode of presentation
1	Dr. Pijus Kanti Samanta	Prabhat Kumar College, Contai	Prabhat Kumar College, Contai	8250313675	Oral presentation
2	Palash Chandra Jana	Vidyasagar university	Paschim medinipur	7602225301	Only participation
3	Bidyut Halder	Dum Dum Motijheel College, Kolkata	1, Motijheel Avenue, Kolkata-700074	9836628453	Only participation
4	Anadi Krishna Atul	Mahatma Gandhi Central University	Motihari, Bihar	9431224271	Poster presentation
5	Dr. Upendranath Nandi	Scottish Church College, Kolkata	1 & 3, Urquhart Square, Kolkata - 700 006	98364 48414	Oral presentation
6	Dr. Jyotirmoy Pramanik	Kharagpur College	Department of Physics, Kharagpur College, Post - Inda, Kharagpur, Pin - 721305	7003659637	Only participation
7	Dr. Sisir Debnath	Serampore College	8, William Carey Sarani, Serampore, Hooghly, West Bengal 712201	8670538953	Only participation
8	T Lohitha	Sathyabama Institute of Science and technology	Chennai	9390467249	Only participation
9	Dr. Tilak Narayan Ghosh	Assistant Professor, Department of Electronics, Midnapore College (Autonomous)	Raja Bazar Rd, Midnapore, West Bengal 721101, India	8436220855	Poster presentation
10	Dr. Subhrangsu Taran	Kalyani Mahavidyalaya	City Center Complex, P.O. + P.S.: Kalyani, Dist.: Nadia, Pin - 741235	09830738067	Only participation
11	Dr. Pritam Saha	Assistant professor	Kalyani Mahavidyalaya	7980861323	Oral presentation
12	Atanu Nandy	Acharya Prafulla Chandra College	Department of Physics, Acharya Prafulla Chandra College, New Barrackpore, Kolkata - 700131	6291064654	Poster presentation
13	Dr. Shreyasi Pal	University of Calcutta	Raidighi College	9874074398	Only participation
14	Dr. Shibsankar Dutta		Pathfinder Educational Centre	8017155135	Only participation
15	Dr. Ashis Dey	Sarsuna College	4/HB/A HO-CHI-MINH SARANI Kolkata 700061	9051280460	Only participation


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16	Dr. Rama Prasad Adak	Taki Government College	Taki, Hasnabad, North 24 Parganas, PIN- 743429, West Bengal	9434826457	Oral presentation
17	Debabrata Bhadra	Bhairab Ganguly College	Feeder Road Belgharia Kolkata-56	9433205914	Only participation
18	Nashiruddin Abammed	Government General Degree College Nakashipara Muragachhia	Nakashipara, Muragachhia, Dist. Nadia, PIN 741154	7074798446	Poster presentation
19	Buddhadev Chowdhury	Sponsored Teachers' Training College	Deshbandu Road, Dist. - Purulia, PIN 723101	9831330390	Poster presentation
20	Sukhendu Mukherjee	Assistant Professor	Vedanda College, Kolkata	9674941881	Only participation
21	Tamagna Maitra	Postdoctoral Fellow, IACS	Indian Association of Cultivation of Science, 2A & 2B Raja Subodh Chandra Mallick Rd., Jadavpur, Kolkata 700032	8777250018	Only participation
22	Biswajit Das	Vedanda College, Kolkata	Vedanda College, 33A, Shibkrishno Daw Lane, Phoolbagan, Kolkata	7980050399	Only participation
23	Dr. Abhijit De	Department of Physics, Barasat Government College	10, K.N.C. Road, Barasat, Kolkata 700124	9830235239	Only participation
24	Dr. Ashok Kumar	University College, Benra	University College, Benra, Dhuri, Dist. Sangur	9501022643	Only participation
25	Dr. Sukhendu Jana	Meghnad Saha Institute of Technology	Najirabad, P.O.-Uchhepota, Kolkata 700150	9836008508	Oral Presentation
26	Dr. Samar Chattopadhyay	Principal, Barasat Government College	10, K.N.C. Road, Barasat, Kolkata 700124	9123048910	Only participation
27	Debashree Dutta	Department of Physics, Barasat Government College	10, K.N.C. Road, Barasat, Kolkata 700124	7044979605	Only participation

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