<u>Directorate of Outcome</u> <u>Outcome Report(Event/Activity Organized @ AUH)</u>

1. General Information

Date:30th March 2022 **Event Type:** Seminar Series

Event Title: Sensitized Solar Cell: A Potential Light Harvesting Technology

Event Theme: Research Seminar

Venue: MS Teams, Seminar series 2022

Web/Video Link of the https://teams.microsoft.com/l/meetup-join/19%3ag_XfCwXmijPj35p-CGh-

4xSqHnkZwYiwhG-

elk9HdHs1%40thread.tacv2/1648445416549?context=%7b%22Tid%22%3a%228d46a076-d093-416d-a57b-8692cde13bf8%22%2c%22Oid%22%3a%227ce44f60-41fc-4d76-abf2-4c5c0596742b%22%7d

Organized by: Department of Chemistry, Biochemistry and Forensic Sciences

Event Level: Institutional

Student Participation*: No. of Students from AUH (Course wise):-26M.Sc (AC); 7M.Sc(BC); 13

M.Sc(FS)

Faculty Participation*: No. of Faculty Members from AUH (Deptt. wise):- 2 Participation from outside AUH*: No. of Students & Faculty Members-1

(Enclose attendance sheets in given format)

Event Coordinator(s) with designation: Dr. Dipti Vaya (Associate Professor)

Details of Expert/Speaker/Resource Person/Judge:

SI	Country Name	Expert Name	Organi zation Name	Designation	Specializatio n	Contac t No.	E-mail Id	CV of Expert (Yes/ No)	Major Areas where Amity can Collaborate with expert	Recom mended by
1	India	Dr.Praveen Surolia	Manipa l Univers ity. Jaipur	Associate Professor,	Solar Cell and Photocatalysi S	916686 1737	suroli apv20 04@g mail.c	NA	NA	NA

Criteria of Inviting Resource Person/Judge/Speaker/Judge (Write a paragraph): The resource person was invited because he has expertise in solar cell synthesis and vast knowledge of photocatalysis.

Were the guest known in advance and if yes, from what previous interaction (Write a paragraph)? No, guest interacted first time to students.

Outcome of the Event with Time Lines (Proposed/Achieved)

Envisaged Outcome	Tangible/ Intangible	Achieved/ Proposed	Target date & responsibilities (if proposed)	Details of outcome			
1. Outcome related to Academia Connect							
a) Collaborations for Research Papers/Conference Papers/ Book Chapter etc.	NA	NA	NA	NA			

b) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] & Projects/Use of Instruments etc.	NA	NA	NA	NA			
c) Collaboration for Funded Projects	NA	NA	NA	NA			
2. Outcome related to Industry Con	nect						
a) Placement	NA	NA	NA	NA			
b) Collaborations for Research Papers	NA	NA	NA	NA			
c) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] &Projects/Use of Instruments	NA	NA	NA	NA			
d) Collaboration for Funded Projects	NA	NA	NA	NA			
3. Outcome related to Society Outro	each						
a) Benefit to society in terms of Health & Hygiene	NA	NA	NA	NA			
b) Benefit to society in terms of Education	NA	NA	NA	NA			
4. Outcome related to Students Lea	rning &Groon	ning					
				Students learnt and understood			
				the set and an interest of the set of			
				about solar cell, and fabrication			
				methods. They learnt many new			
				types of solar cells like hybrid			
				solar cells and organic cells.			
				They learnt about Sensitized			
				Solar cell (SSC). SSC cells are			
				low cost and easy to fabricate.			
	5. Any other						
NA							

2. **Event Report along with glimpses of the event**(*Photographs*)

Seminar started with introduction of speaker (Dr. Praveen Surolia). The seminar entitled "Sensitized solar cells: A potential light harvesting technology" held on 30 March 202. Students learnt about solar cell, different device that directly converts the energy of light into electrical energy through the photovoltaic effect. They also understood it's different types.

They understood new types of solar cells like hybrid solar cells and organic cells. Organic cells comprises of many advantages: as it have low production cost, flexible, tunable color etc.

They also learnt about Sensitized solar cells (SSC). They are low cost, easy fabrication, and are transparent/colored. They are also understood about why we are choosing DSSC. They can generate up to 50% more power in indoor & diffused lighting conditions than the best offer alternative. Current research perspectives in area of DSSC were also discussed.

2.1 Future plan for utilizing the contacts developed with the Invited Guests: NA

2.2 Budget of the Event(Budget Sanctioned, Total Expenditure&Revenue Generated): NA

2.3 Details of Awards if Any:NA

Awardee Details	Award / Position / Recognition Secured	Title of Innovation/ Start-up Secured the Award / Recognition	Award/Recognition/ Achievement Received for

3.8 Photographs with caption (also share high resolution JPEG files of photographs)



ESTABLISHED BY THE HARYANA ACT NO.10 OF 2010 AND UGC RECOGNISED · LOCATED AT GURGAON (MANESAR)

Contemporary Research Endeavors The Seminar Series

"Sensitized Solar Cells: A Potential Light Harvesting Technology"

Speaker: Dr. Praveen Surolia (Assistant Director-

International Collaborations, Associate Professor, Manipal

University, Jaipur)

Organized by: Department of Chemistry, Bio-Chemistry

and Forensic Sciences, ASAS

Venue: MS -Team (Seminar Series, 2022)

Date: 30th March, 2022 (Wednesday)

Time: 3:50- 4:45 pm

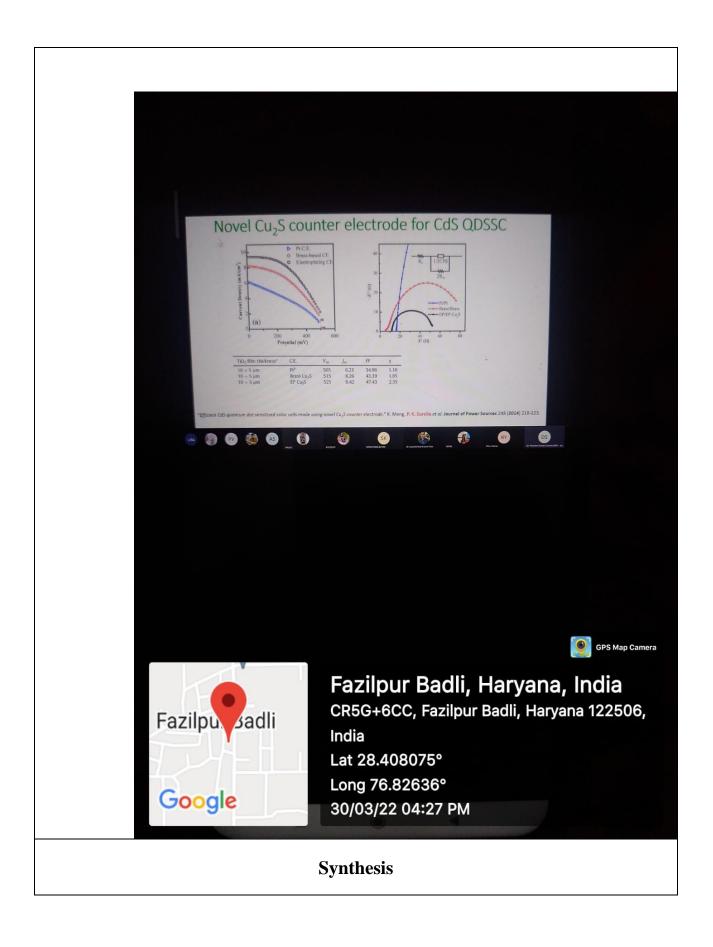
Audience

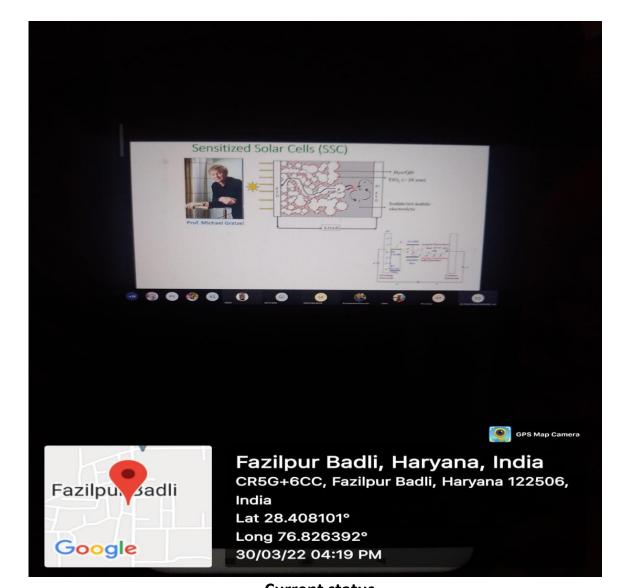
Compulsory to all students of M.Sc. Applied
Chemistry, M.Sc. Bio Chemistry and M.Sc. Forensic
Science (Second Semester)
Others are welcome to attend

Event Flyer

Introduction







Current status

3.9 Scanned copy of attendance sheets

3.10Few Scanned feedback forms of participants NA

Event Title: Sensitized Solar Cell:A Potential Light Harvesting Technology Date: 30th March, 2022						
S.No.			Designation			
1	Dr. Dipti Vaya	ASAS	Associate Professor			
2	Dr.Gyandshwar Kumar Rao	ASAS	Assistant Professor			

Attendance Sheet of Students (AUH)/Outside Event Title: Sensitized Solar Cell: A Potential Light Harvesting Technology Date: 30th March, 2022 **Participant Name** S.No. School **Programme & Semester JyotiYadav** M.Sc. Chemistry 1 **ASAS** 2 ASAS M.Sc. Chemistry Reena 3 Anjali **ASAS** M.Sc. Chemistry 4 Sushma **ASAS** M.Sc. Chemistry M.Sc. Chemistry 5 Anjali **ASAS** SahilRathi **ASAS** M.Sc. Chemistry 6 7 Shalu **ASAS** M.Sc. Chemistry 8 DikshaGahlot **ASAS** M.Sc. Chemistry 9 Sanju Sharma **ASAS** M.Sc. Chemistry **10** Sunil M.Sc.Chemistry **ASAS** Jyoti yadav M.Sc. Chemistry 11 **ASAS 12** Jatin yadav **ASAS** M.Sc. Chemistry **13** Mansi ASAS M.Sc. Chemistry 14 Sonam **ASAS** M.Sc. Chemistry **15** Priyanshu Vats **ASAS** M.Sc. Chemistry 16 Ameer aalam **ASAS** M.Sc. Chemistry Chandankumar M.Sc. Chemistry **17 ASAS** ASAS M.Sc. Chemistry 18 Lakshay 19 Kuldeep **ASAS** M.Sc. Chemistry 20 Priyanka **ASAS** M.Sc. Chemistry 21 Ashish ahlwat **ASAS** M.Sc. Chemistry 22 **ASAS** M.Sc. Chemistry Ritika gera 23 Reenu kumari **ASAS** M.Sc. Chemistry Akshav 24 M.Sc. chemistry **ASAS** 25 Geeta saini M.Sc. Chemistry **ASAS** Akshima **ASAS** M.Sc. Chemistry 26 NishaSaxena 27 **ASAS** M.Sc. Biochemistry Pratibha Gaur 28 **ASAS** M.Sc. Biochemistry 29 Ashutosh **ASAS** M.Sc. Biochemistry 30 Ayesha begum ASAS M.Sc. Biochemistry Garima k 31 **ASAS** M.Sc. Biochemistry Shruthikakevin **32 ASAS** M.Sc. Forensic science Raghavendrakumaupadhya 33 M.Sc. Forensic science **ASAS** Yogita yadav M.Sc. Forensic science 34 **ASAS** 35 Palak Singhal **ASAS** M.Sc. Forensic science Ankita **36 ASAS** M.Sc. Forensic science Pranav Raj **37 ASAS** M.Sc. Forensic science Upasha Saini 38 **ASAS** M.Sc. Forensic science 39 Prerna ASAS M.Sc. Forensic science 40 Akansha Saharan M.Sc. Forensic science **ASAS** 41 Aastha **ASAS** M.Sc. Forensic science Divya 42 M.Sc. Forensic science **ASAS** Thomas Joseph 43 M.Sc. Forensic science **ASAS** 44 Mayank kapoor **ASAS** M.Sc. Forensic science

45	Pallavi	ASAS	M.Sc. Forensic science			
46	Manisha	ASAS	M.Sc. Forensic science			
47	Renu Yadav	Ph.D	NCU , Gurugram			
		Scholar				
DiptiVaya Name & Signature of the Event Coordinator						



Dr. Supreet Outcome Coordinator, ASAS



Prof. A. K. Yadav Director, ASAS