SCHOOL OF CHEMICAL SCIENCES

REPORT

Invited talk by Dr. Amaresh Mishra, Sambalpur University, Odisha in SCS on 19th July 2022

School of Chemical Sciences, Goa University organised an invited talk by Dr. Amaresh Mishra, Sambalpur University, Odisha on the topic "Organic Functional Materials for Future Solar Energy Technology" in SCS LH-1 (MSc part-I) classroom on 19/07/2022 at 04:10 pm. (Notice copy attached)

Dr. Amaresh Mishra has published more than 90 research papers in peer-reviewed scientific journals including 6 review articles, 7 book chapters, 3 patents, 14700 citations, H-index 44; and has expertise in the design and development of functional organic semiconductors and hybrid materials for photovoltaic applications. (Brief CV attached)

Dean, SCS, Prof. V. M. S. Verenkar welcomed the invited speaker. The invited speaker was introduced by Prof. S. V. Bhosale. During the session, Dr. Amaresh explained his work done in Germany and the current research progress. He further elaborated on various Organic Functional Materials with focus on their donor/accepter properties in response to solar light, thereby increasing efficiency of solar cells. He also explained with several examples, the increasing trend in solar cell efficiency in past 2 decades. This session led to highly informative discussion on emerging research in solar cell materials among the participants and the resource person. The talk ended with vote of thanks by Vice-Dean (Research) Prof. S. N. Dhuri.

The talk was very informative and motivating for research students and also motivated young faculties to undertake research in this emerging field. This activity also opened up avenues for collaborative research work.

This talk was attended by 40 participants, particularly faculties and students of School of Chemical Sciences and School of Physical and Applied Sciences, Goa University. (Attendance copy and photos attached)

Reported by
Dr. Hari K. Kadam
School of Chemical Sciences

Co-ordinator
Prof. S. V. Bhosale
School of Chemical Sciences

Prof. V. M. S. Verenkar
Dean
School of Chemical Sciences

GOA UNIVERSITY ☆ TALEIGAO PLATEAU GOA ☆ SCHOOL OF CHEMICAL SCIENCES

GU Mail
Goa University Mail

Hari Kadam <harikadam@unigoa.ac.in>

Invited talk - 19/07/2022 #TODAY# - Dr. Amaresh Mishra - Sambalpur University

1 message

Hari Kadam <harikadam@unigoa.ac.in> Tue, Jul 19, 2022 at 10:10 AM
To: chemistry <chemistry@unigoa.ac.in>, "Chemistry Ph.D Group" <phdchemistry@unigoa.ac.in>, "Dr. K.R.S. Priolkar" <krp@unigoa.ac.in>, "Pranav P. Naik" <pranav.naik@unigoa.ac.in>, Reshma Raut Desai <reshma@unigoa.ac.in>, SPAS <spas@unigoa.ac.in>
Cc: Dean School of Chemical Sciences <dean.scs@unigoa.ac.in>, Dean of School of Physical and Applied Sciences <dean.spas@unigoa.ac.in>, "Vice-Dean (Academic) SCS" <vdeanacascs@unigoa.ac.in>, "Vice-Dean (Research) SCS" <vdeanresscs@unigoa.ac.in>, "Dr. Sheshanath Bhosale" <svbhosale@unigoa.ac.in>, Kiran Dabholkar <kiran@unigoa.ac.in>, amaresh.mishra00@gmail.com

SCHOOL OF CHEMICAL SCIENCES
NOTICE
INVITED TALK

School of Chemical Sciences is organising an Invited talk as per following details:

Resource Person: **Dr. Amaresh Mishra**, Associate Professor, School of Chemistry, Sambalpur University

Title of Talk:	**Organic Functional Materials for Future Solar Energy Technology**
Date:	Tuesday, **19/07/2022**
Time:	**04:10 pm**
Venue:	**LH-1** (MSc Part-I classroom), Ground Floor, **SCS**

All are cordially invited.

Regards
Secretary, School Council, SCS

Thanks & Regards

Dr. HARI K. KADAM
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https://publons.com/researcher/2405487/hari-k-kadam
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https://in.linkedin.com/in/dr-hari-k-kadam-8937836a

DATE: 19/07/2022 TIME: 04:15pm

NAME OF SPEAKER: DR. AMARESH MISHRA, SAMBALPUR UNIV.

TITLE OF TALK: ORGANIC FUNCTIONAL MATERIALS FOR FUTURE SOLAR ENERGY TECHNOLOGY

VENUE: LH-1, SCS

ATTENDANCE

Sr. No.	Name	Sign
01.	Harshad A. Mirgone	Harshad.
02	Pritesh P. Khobrekar	
03	Vilas K. Gawade	
04	Siddhi K. Salgaonkar	
05	Pooja V. Shreechippa	
06	Nitish U. Verji	
007	Dr. Rupesh A. Kunkalkar	
008	Gayatri D. kolkar	
9	Geeta A. Zalmi	
10	Leo F. B. D'Souza	
11	Dominic Savio Dias	
12	Nikita Karmalkar	
13.	Sanjali Navelkar	
14.	Namrata	
15.	Namita C. Rane	Namita
16.	Neha Phadte	
17.	Najmeh Dehkordi	
18.	Vinod Mandrekar	
19.	Ratan W. Vadhar	
20	Upma U. Gaonkar	
21	Samiksha S. Gaonkar	
22	Manjusha M. Gaonkar	
23	Dinesh. N. Nadimetla	
24	Prajer S. Vohora	
25.	Diptesh G. Naik	

26	Sandesh Bugde	
27	Rohan K. Kunkalekar	
28	Vishnu R. Dari	
29	Hari K. Kadam	
30.	Samidha S. Naikekar	Samidha
31.	Anjani P. Nagvenkar	Nagvekar
32	R. Shirodkar	
33	S.N. Dhum	
34	V.M.S. Verenkar	
35	Rupesh Patre	
36.	Bidhan A. Shirke	
37	Prachi Torney	
38	Savita A. Kerdaikar	
39	Vivekanand Gokarn	
40	Prof. Bhusale	Bhusale.

Amaresh Mishra is an Associate Professor at the School of Chemistry, Sambalpur University, India. He received his M.Sc. in 1991 and Ph.D. in 2000 from Sambalpur University. After a postdoctoral stay with Prof. G. R. Newkome (1999-2001) at the University of South Florida, he joined TIFR, Mumbai, as a Visiting Fellow in 2002, working with Prof. N. Periasamy. He then joined the group of Prof. P. Bäuerle, University of Ulm, Germany, in 2005 as Alexander von Humboldt Fellow and continued as a Group Leader of organic solar cells research till 2015.

He has visited many countries including USA, Germany, Switzerland, Australia, China for research and collaborations.

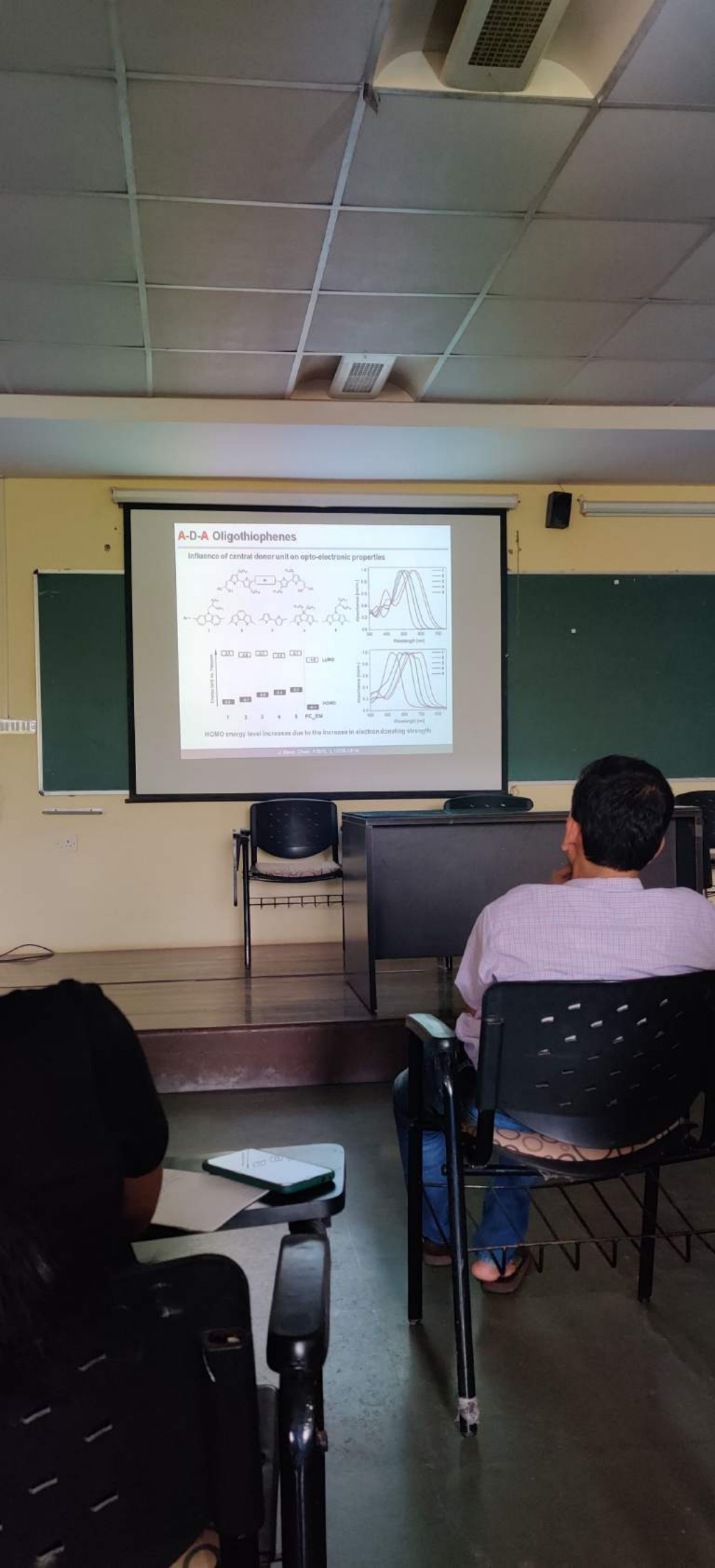
Dr. Mishra has immense experience in the design, synthesis and development of organic semiconductors and metal complexes for organic light emitting diodes (OLED), organic solar cells (OSC), dye-sensitized solar cells (DSSC), perovskite-based solar cells. His research is highly interdisciplinary covering features of organic and materials chemistry with a central idea of establishing the molecular structure-property correlations.

He has published more than 90 research papers in peer-reviewed scientific journals including 6 review articles, 7 book chapters, 3 patents. 14700 citations, H-index 44.

His current research focuses on the design and development of functional organic semiconductors and hybrid materials for photovoltaic applications.

Goa University Science Block,
MDR3, Dona Paula, Goa
403206, India
19 Jul 2022 04:24 PM

broken clouds
29.0 °C


A-D-A Oligothiophenes
Influence of central donor unit on opto-electronic properties
HOMO energy level increases due to the increase in electron donating strength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