

School of Chemical Sciences Events
Report on the Webinar Series organized on the theme
Two-Dimensional Semiconductor Applications for Green Energy
(2D-SAGE)

Talk 2: Dr. Aditya Sadhanala, IISc Bangalore on 21st Jan 2022


The School of Chemical Sciences (SCS), Goa University organized an “**International Webinar Series**” on the theme “Two-Dimensional Semiconductor Applications for Green Energy, 2D-SAGE” in virtual mode. The series commenced on **10th November 2021** which was headed by Physical Chemistry group of the SCS and **Dr. Anjani P. Nagvenkar** was the Convener of the series. The first talk of the series was delivered by Prof. David Cahen from Weizmann Institute of Science, Israel. The 2nd talk was held on 21st January 2022 and Dr. Aditya Sadhanala from Indian Institute of Science, Bangalore was invited as the speaker.

Dr. Aditya Sadhanala is Assistant Professor and Pratiksha Young Investigator Chair for at the Centre for Nano Science and Engineering (CeNSE) at the Indian Institute of Science, Bengaluru. Dr. Sadhanala is a young scientist and is known for his outstanding achievements in the field of photovoltaics. He holds several awards and recognitions, few notable ones being – 2021 Early Career Scientist Award (Asia), 2020 MRS Nelson “Buck” Robinson Science and Technology Award for Renewable Energy, and 2018 British Indian Award in the Science & Technology and also holds a distinction of being a highly cited researcher in the interdisciplinary field for three consecutive years 2019, 2020 and 2021 – Web of Science, Clarivate. Dr. Aditya gave a talk on the topic titled “**Passive and Dynamic Defects in Perovskites**”. The speaker discussed how the study of nature of defects in halide perovskites is crucial for the application in halide perovskite solar cells. With his excellent teaching skills many young researchers from the audience cleared their doubts by asking the questions on the science of working of solar cells. The Dean, SCS had an insightful discussion on how the perovskite solar cells are different and advantageous over silicon solar cells. Being an established and successful young scientist who has done his PhD from University of Cambridge, UK and postdocs from University of Oxford and University of Berkeley, USA he advised the research students to be a persistent researcher in order to achieve a successful scientific career.

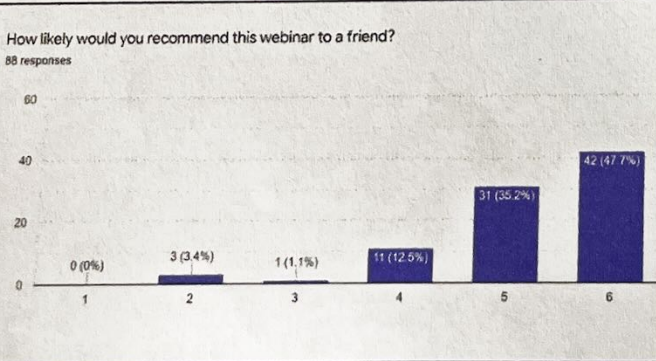
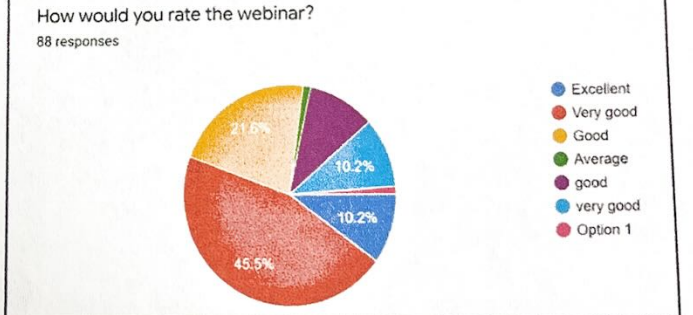
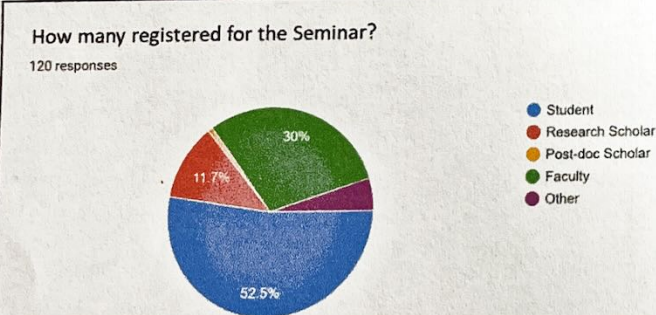
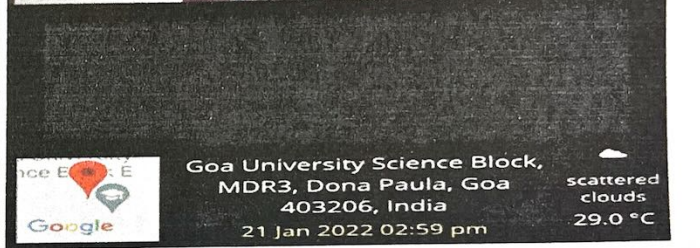
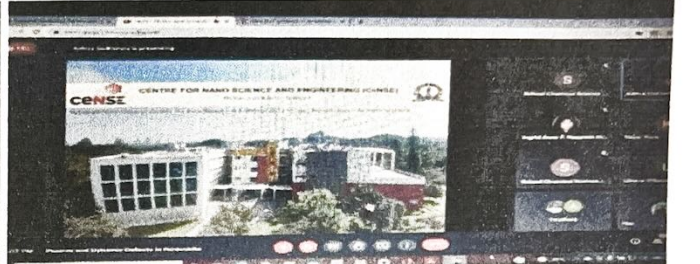
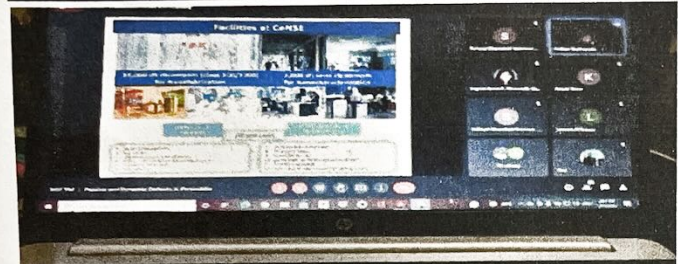
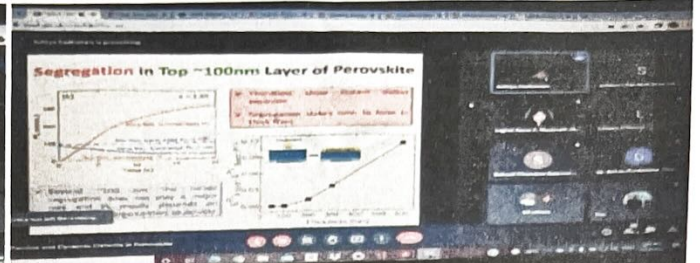
This webinar witnessed participation from different institutions across India which included students, faculty and research fraternity from Parvatibai Chowgule College, Gujarat University, Rani Channamma University, Goa State Higher Education Council, PES College, St. Xavier’s College, Dhempe College, and Goa University. The feedback received for the webinar was very good as revealed by the data obtained from Google feedback forms. Overall, the webinar provided the knowledge on overcoming the shortcoming of perovskite solar cells and how their commercialization can benefit the society compared to Silicon solar cells.


Dr. Anjani Nagvenkar
(Coordinator)

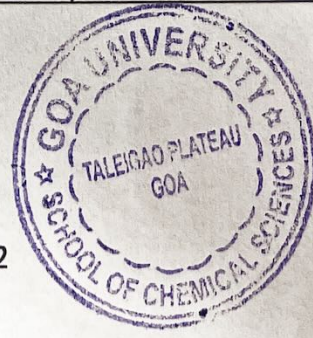



Dean, SCS
07/03/2025

Following figures presents the statistical data and glimpse of the webinar through photos



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Dean, SCS



Report by- *(Signature)*
Dr. Anjani P. Nagvenkar

(Signature)

Goa University
School of Chemical Sciences
Taleigao-Plateau, Goa, India 403206



International Webinar Series

on

*Two-Dimensional Semiconductor Applications for Green Energy
(2D-SAGE)*



Dr. Aditya Sadhanala

Centre for Nano Science and Engineering (CeNSE)

Indian Institute of Science (IISc), Bangalore

21st January 2022 (3.00-4.00 pm)

Title of the talk: Passive and Dynamic Defects in Perovskites

Google meet Link for the talk (Click):
<https://meet.google.com/jcz-cduy-nwr>

**E-certificates will be provided to the participants
after submitting the feedback form**

Prof. Vidhyadatta. M.
S. Verenkar

Dean, SCS

Prof. Sunder N. Dhuri
Vice-Dean (Res), SCS

Prof. Rajendra N.
Shirsat

Vice-Dean (Acad), SCS

Dr. Anjani. P. Nagvenkar
Convener

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