

Programme

Venue: Seminar Hall
School of Chemical Sciences

Date	Time	Lecture
4.12.2017	11.00 am - 12.00 pm	Basics of solar energy conversion
5.12.2017	9.30 am - 10.30 am 2.00 pm-4.00 pm	Solar Fuel Generation Processes Solar hydrogen production and storage
6.12.2017	9.30 am - 10.30 am	Carbon dioxide to hydrocarbon fuel conversion
7.12.2017	11.00 am - 12.00 pm	Nanomaterials for solar fuel generation

Contact

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ERUDITE 2017

SCHOLARS - IN RESIDENCE PROGRAMME

Jointly Organized

By

Kerala Higher Education Council

&

International and Inter University

Centre for Nanoscience and Nanotechnology

Mahatma Gandhi University

Kottayam 686560

Kerala, India

Lectures by

Prof. Dr. Oomman K. Varghese

University of Houston, Department of Physics

515E, Science and Research 1 Houston

TX 77204-5505, USA

04 - 07 December 2017

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ERUDITE Scholars - in Residence Programme

The Erudite is one of the innovative concepts undertaken by the State Government of Kerala to rejuvenate the field of higher education in the state and to strengthen research activities of various Universities of Kerala. Eminent academics from India and abroad are invited to the State Universities under this programme. The Scholars spend few weeks in the campus giving lectures, interacting closely with faculty students and researchers to exploring future collaborations etc.

Another major initiative in this direction is the Nobel Laureate Visiting Programme under which Nobel Laureates are invited to spend a few days in the campus. These eminent personalities will closely interact with students, teachers and researchers in the campus. In collaboration with the State Higher Education Council, Mahatma Gandhi University has invited several scholars to its campus under this programme. These eminent personalities have given lectures and conducted interactive sessions with students and teachers of the university and of affiliated colleges.



Prof. Dr. Oomman K. Varghese

Prof. Dr. Oomman K Varghese is an Associate Professor, Department of Physics, University of Houston, Houston, Texas and a Visiting Scholar in Toyo University at Saitama, Japan. He worked as a Development Engineer at Ohio, Chief Scientist in Sentech Corporation at Boalsburg, Visiting Scientist in Materials Research Institute at The Pennsylvania State University, Research Associate in Materials Research Institute at The Pennsylvania State University and Project Scientist in Department of Physics at Indian Institute of Technology Delhi, India.

Dr. Oomman Varghese's Nanomaterials and Devices Laboratory has its research activities focused on materials and devices for the welfare of society and environment. The group develops nanostructured materials, investigates unique properties, reveals scientific truth behind the exceptional behavior, and tailors the properties to develop devices/processes primarily for energy and clinical applications. The primary interest is in utilizing earth-abundant inorganic materials and organic polymers and carbon materials from sustainable sources for solar cells, solar fuel generation, and environmental sensing.

Dr. Oomman has 96 publications, 26700 citations, 2 patents and has a h-index of 65. He received the title 'Highly Cited Researcher' from Thomson Reuters and has received several recognitions such as World's Most Influential Scientific Minds, 'World's Top 100 Materials Scientists' etc.