



Silver Jubilee Celebration (1996-2021)

Department of Energy
Tezpur University

Alumni Talk : 23

Crystalline Silicon Solar Cell & Module : Fabrication, Technology and Cost

Time: 3:00 PM, Date: 17th December, 2021

Dr. Sanjai Kumar

Alumnus

(MTech in Energy Technology: 2001 – 2002)

Scientist D, Technology Mission Division

(Energy & Water), Department of Science & Technology,
Government of India



Dr Sanjai Kumar did his M.Tech. in Energy Technology from Tezpur University and PhD in Solar Cell Physics from National Physical Laboratory (NPL), New Delhi. Dr. Kumar is a professional with more than 15 years of experience in Research & Development, Industrial Production and excellence in planning, executing and management of the Solar Photovoltaic value chain. Presently, he is working as a Scientist D, Technology Mission Division (Energy & Water) of Department of Science & Technology (DST), Ministry of Science & Technology, Government of India and involved in Water Technology Initiative (WTI), Carbon Capture Utilization and Storage (CCUS), and Smart Grid initiative. Before joining the DST, Dr. Kumar was associated with the manufacturing and installation of Solar Photovoltaic Cells and Modules at Central Electronics Limited (CEL), Sahibabad (a PSU of DSIR and pioneer in the country for solar photovoltaic activity). He was also associated with the Department of Physics, Delhi University and Center for Energy Studies, IIT Delhi for the development of Quantum dots and semiconductor thin-film solar cells respectively. Dr. Kumar has installed the automated solar photovoltaic cells and module manufacturing lines, established the characterization lab, developed many innovative solar products for rural and smart city applications as well as published several papers, and delivered talks at National /International forums..

Google Meet Link : meet.google.com/ecb-qbfp-xcw