



Silver Jubilee Celebration

(1996-2021)

Department of Energy
Tezpur University

Alumni Talk : 14

Impact of Boron Rich Layer on N-type crystalline Si solar cells

Time: 3:00 PM, Date: 27th August, 2021

Dr. Bandana Singha

Alumna

(MTech in Energy Technology: 2006 - 2008)

Associate with Department of
Nanotechnology, NEHU, Shillong



Dr. Bandana Singh did her M Tech in Energy Technology (2008) from Tezpur University and PhD on Solar Cell from IIT Bombay (2017). Presently, she is associate with Department of Nanotechnology, NEHU, Shillong. Her research interest are in the field of Fabrication and Characterization of Solar Cells and Modules, Building Integrated Photovoltaics (BIPV), Micro and Nanofabrication etc. She has expertise on fabrication processes such as p-type and n-type dopant diffusion, texturing of Si-wafers, Photolithography etc. and material characterization tools such as Dark and Light I-V characterization, Quantum efficiency measurement of solar cells, Secondary Ion Mass spectroscopy (SIMS), Spectroscopy Ellipsometer, Scanning Electron Microscopy, Transmission Electron Microscopy etc. She has published a good number of Papers in reputed international journal in the field of Solar Cell. She was also General Secretary, Academic Affairs, Post Graduate Program of IIT Bombay during 2012-2013.

Google Meet Link : meet.google.com/uae-bjdc-xwj