Suresh Kumar Vemuri is a Ph.D. Research Scholar at Department of Solar Energy, Pandit Deendayal Energy University, Gandhinagar, Gujarat. Suresh Kumar Vemuri has received his Bachelors of Science (B.Sc.) & Master of Science (M.Sc.) degrees in Electronic Sciences from Gujarat University, Gujarat. His research work is focused on the light-matter interactions in thin-film semiconductors. He possesses a particular interest in the development of nanomaterials and hybrid heterostructures for optoelectronics and SERS applications. His research work emphasizes on the development of novel SERS substrates and thereby improving the enhancement factor by exploiting the synergistic effect of plasmonic metal nanoparticles with various nanostructures. The outcome of this research could help in the development of various sensors for the detection of food adulteration, narcotics and biological analytes. His research also extends to low temperature synthesis of Graphene and its bandgap engineering for applications in optoelectronic and SERS. He’s currently affiliated with Solar Research & Development Centre (SRDC), PDEU and has published his work in some prestigious journals. For more information on his research and background, please visit his website [www.sureshvemuri.com](http://www.sureshvemuri.com).