

CV- Dr. Mukul Chandra Paul



Dr. Mukul Chandra Paul obtained his PhD degree in Fiber Optics from the Jadavpur University in 2003. At present he is working as senior principal scientist at the Fiber Optics and Photonics Division, CSIR-Central Glass & Ceramic Research Institute, Jadavpur, Kolkata-32 (INDIA) . His research work deeply focused on the material composition design of the doping host of metal nano-particles along with rare-earths through different material and optical characterization tools for development of various type of specialty optical fibers based on MCVD with solution doping technique which serve as a heart of fiber optic based devices such as fiber laser, optical amplifier , broad-band optical source and sensor to improve their respective optical performances. At present he is involved on development of high power optical amplifier for CATV and free space communication system , Rare-earths doped multicore fiber as well as very narrow line width based DFB fiber laser for Hydrophone and LIDAR through participation of some prominent industrial partners in the area of photonics. Recently focused another important area about the development of suitable optical fiber which will be used as fiber based saturable absorber for mode-locked and Q-switching fiber laser at 1550nm. He received a number of prestigious awards / recognitions including young scientist award under UK-India networking research programme (2003), BOYSCAST Fellowship from the department of Science and Technology (2005), CSIR Technology Award (2012), DST-UKIERI Award (2013), CSIR Technology Award for Innovation (2015), Indo-Russian (RFBR) Collaborative Research Grant-2016, Indo-Portugal (FCT) Collaborative Research Grant-2017 etc. He is a OSA senior member along with membership of American Ceramic Society (ACS), IEEE and life member of Materials Research Society of India (MRSI) and Indian Ceramic Society (ICS). He is an editorial board member of new journal of glass and ceramics (NJGC), International journal of advanced nanomaterials, International journal of materials science research and journal of materials science and engineering progress. He has published more than 200 papers in peer-reviewed journals and Conferences. He also published 7 Book chapters and edited two books on Fiber Laser. He holds 7 US patents and filed 4 Indian patents. He is involved to several collaborative projects with different countries such as UK, Russia, Portugal, Mexico, Malaysia, etc.