



**Dr. V.K.Jain**

**Formerly: Director**

**Presently working as Distinguished Scientist & Professor**

**Amity Institute of Advanced Research and Studies (Materials & Devices) &  
Amity Institute of Renewable and Alternative Energy, Amity University, Noida**

Dr Jain has done his Ph.D. in Solid State Physics from IIT Delhi in 1970. Joined Solid State Physics Laboratory in 1972 and worked as Director Grade scientist up to 2003. He was head of the silicon devices and Micro Electro Mechanical Systems (MEMS) division and developed many new technologies. Among these technologies a few have been transferred to industries. His result of electro -luminescence in porous silicon was considered as the first International observation and it was reported as NEWS by Photonics spectra USA, Electronics Asia. He has also developed the technology for space quality silicon solar cells. He is among those, who have started the Micro-Electro Mechanical Systems (MEMS) programme in the country and also produced many devices. Dr. Jain was also associated with the National Programme on Smart materials & MEMS technology from the beginning.

He has published more than 140 papers in National & International journals, edited a few books and has filed 30 patents. He worked as Emeritus Scientist of CSIR at NPL and also worked as the guest professor in the Amity Institute of nanotechnology. He has organized many International and National conferences, delivered invited lectures at abroad and in India and visited many

laboratories and institutes abroad. He has taken many International and National Research projects and also presently having many research projects from government departments.

He has received the Technology award in 2002 in DRDO. He also got the Award “Power of Ideas”-2012 from (DST) “On the pocket friendly reusable water purification system” based on nanomaterials. His technology developed for a room temperature LPG gas sensor has been transferred to an industry for commercialization in Feb. 2015.

Under his supervision the multidisciplinary department has been developed at Amity University with many major characterization facilities where a large number of Sensors, based on nanotechnology, have been developed for various applications.

His areas of research include silicon devices, solar cells, MEMS, Nanotechnology and sensors.