


Biodata

Name	Dr. Sandeep Mahajan 
Designation	Scientist D
Educational qualification	M.Sc. from Devi Ahilya University, Indore in 2003 M. Phill. from Devi Ahilya University, Indore in 2004 Ph. D. from University of Delhi, Delhi in 2009
Research area	<ul style="list-style-type: none"> ▪ Semiconductor crystal growth, Growth of Silicon Carbide (SiC) single crystals by Physical Vapour Transport Technique for advanced electronics devices ▪ Synthesis and characterization of electro-ceramic materials
Recognised Awards/Honors/Fellow	<u>Best poster award [05]</u> 1. ICPREM-2020 during 8-11 March 2020 at Hyderabad 2. IUMRS-ICYRAM-2016” during 11-15 December 2016 at Bangalore. 3. MRSI-2015 during February 09-11, 2015 at Jaipur. 4. 19 th National Seminar on Crystal Growth during March 12-14, 2015 VIT University. 5. MRSI-2014 during 12 -14 February, 2014 at IISC Bangalore.
Projects	a. <u>Ongoing Project:</u> Silicon Carbide (SiC) single crystal bulk growth process development. (HD/SP/035) (Sponsored by DMRL/DRDO, Outlay: Rs. 998.78 Lakh; DoS:27.07.2016; DoC:26.07.2020) [Documents for extension of project with additional fund of Rs. 46.41 Lakh submitted to DRDO] b. <u>Completed:</u> Ultrahigh quality Silicon Carbide (SiC) single crystals by physical vapor transport technique for advanced electronic applications (HD/SP/021) (Sponsored by DMRL/DRDO, Outlay: Rs. 898.00 Lakh; DoS:21.09.2009; DoC:20.03.2014)
Publications/Patents (Past 5 years)	<u>Technical Report [03]</u> 1. Single Crystal Silicon Carbide Boule Growth Process Demonstration (DRDO-DMRL-EMG-144-2016). 2. GaN epilayer growth on indigenous SiC wafer (DRDO-DMRL-EMG-2017) 3. Simulation of PVT process using Virtual reactor (DRDO-DMRL-EMG-2020)

