



## GUEST OF HONOUR



**Dr. Seema Vinayak**

Dr. Seema Vinayak, Scientist 'G', has assumed the charge of Director of Solid State Physics Laboratory (SSPL) on January 1, 2019. She obtained a M.Sc. (Physics) degree from Panjab University (PU), Chandigarh in 1985, and joined DRDO at Solid State Physics Laboratory (SSPL) in 1986 as Scientist B. Later, she was awarded M.Tech. and Ph.D. degrees by the Department of Physics, Indian Institute of Technology Delhi (IITD), in 1991 and 2007, respectively.

She has more than thirty years of experience in the indigenous development of high frequency semiconductor devices and MMICs for strategic applications, and has successfully spearheaded several MMIC related transfer of technologies (ToTs) to production. Her specific areas of expertise include development of AlGaIn/GaN HEMT device & MMICs, MESFET based 12-18 GHz GaAs MMIC technologies, W band GaAs Gunn & Schottky barrier

beam-lead Diodes and Nichrome thin film resistors in GaAs MMICs.

She has to her credit more than 50 publications in national and international journals, seminars, conferences, symposia, and workshops. She has received several prestigious awards that include DRDO Outstanding Team Work Award for Path Breaking Research in the year 1999 for the development of GaAs based MMIC Technology, DRDO Technology Award in the year 1995 for the development of mmW devices, and Gold Medal and Certificate of commendation from SA to RM in the year 1990 and 2006. Recently, she has been awarded the DRDO Path Breaking Research/ Outstanding Technology Development Award for the year 2016, as a team leader for the development of AlGaIn/GaN HEMT Process Technology. She is currently leading several strategic R&D programmes of the laboratory.