

Short Bio-data

Name: **Dr.A.Vanaja**



Designation : **Senior Principal Scientist**

Division: **Advanced Composite Division**

Area of Expertise: Synthesis Characterisation and Processing of Polymers, Composites Nanocomposites for Electromagnetic Shielding, Microwave absorption and stealth applications/ Microwave transparent high performance materials.

Significant contributions made to weather Radomes for ISRO, Nose cone Radomes for Jaguvar Maritime Aircraft for HAL and NALs all composite Trainer Aircraft HANSA, Ceramic Radome for ASTRA missile to name few received type certification of Agencies like DGCA CEMILAC and respective sponsors which resulted in Technology transfers.

Currently, involved in indigenising the materials / processing technologies and demonstrating the prototypes and certified products for aerospace/ non-aerospace sectors and aiming at reinforcing the strategic sector

Specialisation: High performance thermoset polymers (Epoxyes, Polyimides and Vinylesters), Conducting polymers (PANI/Pth/PPy) CNT and Graphene based Nano composites

Publications: Please Refer to the link

Subject area willing to guide the student: Chemistry/Polymer Science/ Polymer technology or engg/ Mechanical Engg with thermal specialisation/Materials Science& Engg