

**EVENT REPORT (SBC31461D)**

**EVENT TYPE** : **Expert talk**  
**TOPIC** : **Recent Advancement in Metamaterial Microwave Absorbing Structures and Techniques**  
**DATE & TIME** : **9th Oct 2021 at 02:00-3:00 P.M**  
**MODE** : **Online (Google Meet: [meet.google.com/nsh-jcvu-xdt](https://meet.google.com/nsh-jcvu-xdt))**

An expert talk on the topic of " **Recent Advancement in Metamaterial Microwave Absorbing Structures and Techniques** " was organized by the IEEE Antenna and Propagation Student Chapter MNIT, Jaipur. The invited speaker Assistant Professor in the field of Electronics and Communication Engineering. Dr. Panwar received Ph.D. from IIT Roorkee, and subsequently joined KAIST, South Korea as a Postdoctoral Fellow with Brain Korea Research Fellowship.

His research interest includes electromagnetic interference (EMI) mitigation techniques, stealth technology, RF and microwave absorbers, nanocomposites, metamaterials, frequency selective surfaces, airborne radomes, artificial intelligence/machine learning in electromagnetics, surface plasmon resonance sensors, terahertz materials & devices, and e-waste management techniques. Dr. Panwar discussed about challenges of designing metamaterial-based absorbers, potential applications of microwave absorber, major challenge in actual development of microwave absorber, different materials which could be used for designing the microwave absorbers and key challenges faced by the researcher while designing microwave absorber at THz frequencies.

In the webinar there are Ph.D. Scholars, MTech Students, UG Students, researchers and scientist participated; a total of 94 participants, among them 76 are IEEE members and 18 are non IEEE members. In the end of session, query session was held in which Dr. Panwar solved the queries of the researchers.

The session was concluded by Vote of thanks given by Deepshikha Lodhi, Chair, IEEE APS, Student Chapter MNIT, Jaipur.

