

## Research Scholar – PMS department

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**Area of Interest:** Shared aperture based Microstrip Patch Antenna design for L/S Band



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**Area of Interest:** Synthesis of Ag<sub>2</sub>S and Ag<sub>2</sub>Se Quantum dots



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**Area of Interest:** Optimization of synthesis parameters of monometallic (Pd) NPs for hydrogen sensor applications



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**Area of Interest:** Multifunctional nano structure



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**Area of Interest:** Ferrites film and their applications.



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**Area of Interest:** Thermal study of chalcogenide phase change materials.



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**Area of Interest:** Catalytic nanoparticle based graphene devices for selective detection of industrial gases



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**Area of Interest:** Studies with 2 dimensional (2-D) materials for hydrogen related (and other) applications



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**Area of Interest:** Ferrites nanoparticle and their applications



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**Area of Interest:** Study of materials for mid to far infrared applications.



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**Area of Interest:** Microwave Radiators and Devices



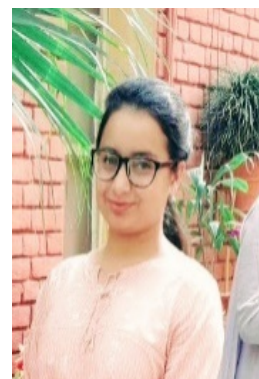
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**Area of Interest:** Ferrites thin film and their applications



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**Area of Interest:** Conducting polymers nanocomposite



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**Area of Interest:** Tailoring Of Defect Distribution in Vertically aligned ZnO Nano-rods.



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**Area of Interest:** Development of multi component chalcogenide materials and study of their properties for the thermoelectric applications

