## CHAPTER 54

## TECHNOLOGY APPLIED PHYSICS

## **Doctoral Theses**

677. SHRUTI

Design and Development of Planar Waveguide Devices for Optical Communication and Sensors.

Supervisors : Prof. R.K. Sinha and Dr. R. Bhattacharyya  $\underline{\text{Th } 21292}$ 

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- 3. Planar Photonic Crystal Waveguide based infiltrated sensor
- 4. Surface plasmon polariton in planar waveguides for terahertz frequencies 5. Hybrid plasmonic waveguides: Theory and applications 6. Fabrication and process development of planar photonic crystal structures 7. Summary and future work. References.