


Dr. Romita Chouhan

1. Personal Information			
(i)	Name	Dr. Romita Chouhan	Photo 
(ii)	Qualification	PhD	
(iii)	Designation	Asst. Professor(Cont.)	
(iv)	Email-id	romitachouhan15[at]gmail.com	
(v)	Employee No.	1505140	
(vi)	Department	Applied Physics	
(vii)	Experience	7 month	

2. Educational Qualification				
S. No.	Degree	Specialization	Year	University/Board
1	B.Sc.	Computer Science	2012	Holkar Science College, Indore
2	M.Sc.	Physics	2014	School of Physics, DAVV, Indore
3	PhD	Nonlinear Optics	2022	School of Physics, DAVV, Indore

3. Research Interests

Nonlinear optical properties, Transport properties, Sputtering, Optical properties of TMO's/TCO's.

4. Research Paper Publications

(I) International/National Journal Publications

1. **Romita Chouhan**, Priyanka Baraskar, Arpana Agrawal, Mukul Gupta, Pranay K. Sen, and Pratima Sen, Effects of oxygen partial pressure and annealing on dispersive optical nonlinearity in NiO thin films, **Journal of Applied Physics** **122**, (2017) **025301**.
2. **Romita Chouhan**, Priyanka Baraskar, Arpana Agrawal, Mukul Gupta, Pratima Sen, Magnetically tuned absorptive optical nonlinearity in NiO thin films, **Optical Materials**, **84** (2018) **893–898**.
3. **Romita Chouhan**, Mukul Gupta, P. K. Sen, and Pratima Sen, Giant dispersive and absorptive optical nonlinearities in TiO₂ thin films, **Journal of Optical Society of America B**, **37** (2020) **279-286**.
4. **Romita Chouhan**, Arpana Agrawal, Mukul Gupta, Pratima Sen, Qualitative analysis of the valence and conduction band offset parameters in FeNiO/CuNiO bilayer film using X-ray photoelectron spectroscopy, **Physica Status Solid B** **259**, **2100132**, 2022.
5. Priyanka Baraskar, **Romita Chouhan**, Arpana Agrawal, R.J. Choudhary, Pranay K. Sen, Pratima Sen, Magnetic field induced changes in linear and nonlinear optical properties of Ti incorporated Cr₂O₃ nanostructured thin film, **Physics Letters A**, **382**, (2018) **860**.
6. Priyanka Baraskar, **Romita Chouhan**, Arpana Agrawal, Ram Janay Choudhary, Pratima Sen, Weak ferromagnetism at room temperature in Ti incorporated Cr₂O₃ thin film, **Physica B: Condensed Matter** **571** (2019) **36–40**.
7. **Romita Chouhan**, Mukul Gupta, and Pratima Sen, Nonlinear refraction in NiO thin films, **AIP Conference Proceedings** **2220**, **090016** (2020).
8. **Romita Chouhan**, Priyanka Baraskar, Arpana Agrawal, Mukul Gupta, Pratima sen, Nonlinear Optical Responses of Magnetron Sputtered TiO₂ Thin Film, **AIP Conference Proceedings** **2115**, (2019) **030301**.
9. **Romita Chouhan**, Priyanka Baraskar, Tanveer A. Dar, Arpana Agrawal, Mukul Gupta, Pranay K. Sen, Pratima. Sen, Effect of annealing on the optical properties of the ion beam sputtered NiO Thin Film, **AIP Conference Proceedings** **1832**, (2017) **080071**.

5. List of Conferences/Workshops/Seminars Organized

None

6. Invited Lectures/Expert Talks/Chairmanships at Conferences

None