



Dr. Sunetra Laxman Dhere

Ph.D. in Material Science

Assistant Professor in Physics | Environmentalist | Wildlife Conservationist

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ABOUT ME

Dedicated academician and researcher with over 13 years of experience in higher education and advanced material science. Specializes in sol-gel synthesis, nano-coatings, and energy storage technologies. Actively contributes to academic leadership as an IQAC Coordinator and Associate NCC Officer, while guiding research scholars and promoting innovation through multidisciplinary work.

PROFESSIONAL EXPERIENCE

Assistant Professor (Physics) | Since 2013

Shri S. H. Kelkar College, Devgad, Sindhudurg

- Teaching undergraduate and postgraduate (M.Sc.) Physics courses
- Focus on practical laboratory skills and student performance
- IQAC Coordinator – Institutional quality assurance and NEP implementation
- Recognized Ph.D. Research Guide – University of Mumbai

Associate NCC Officer | Since 2020

58 MAH BN, NCC

- Commissioned officer trained at OTA Gwalior
- Leading and mentoring NCC cadets with discipline and leadership development

EDUCATION & ACHIEVEMENTS

- Ph.D. in Physics (Material Science) – Shivaji University, Kolhapur (2012)
- M.Sc. Physics (Solid State) – Shivaji University, Kolhapur (2008) | 73.71%
- Patent Holder: AI-based LPG Gas Quality Checking Device (Design No: 472082-001)
- Best Poster Presentation – ICAMS (2016) for silica aerogel research

RESEARCH & PUBLICATIONS

- Published 20+ research papers in reputed journals
- Research featured in:
 - Applied Physics B
 - Journal of Sol-Gel Science
 - Current Science
- Book Contribution: *2D Materials for Supercapacitors* (Springer, 2026)
- Editor: *Heritage Sindhudurg*

SOCIAL & ACADEMIC CONTRIBUTION

- Coordinator – URMI (Seed funding initiative for girl students in research)
- Promoting research culture and innovation among students