

DR. ANNU MALHOTRA

Associate Professor of Physics at St. Stephen's College | annu.malhotra@ststephens.edu

PROFESSIONAL PROFILE

Physics Professor with more than 25 years of undergraduate teaching experience, a Ph.D. in Cosmology, and a distinguished academic record, including a Gold Medal awarded by the President of India for securing first position in M.Sc. Physics, along with extensive involvement in teaching, institutional administration, and student mentoring.

EDUCATION

Qualification	University	Year	Specialization / Achievements
Ph.D. in Physics	University of Delhi	2002	Cosmology
M.Sc. (Physics)	University of Delhi	1995	Gold Medalist & University Topper
B.Sc. (Hons.) Physics	University of Delhi	1993	First Position in College

PROFESSIONAL EXPERIENCE

Institution	Designation	Duration
St. Stephen's College, University of Delhi	Associate Professor, Physics	2010 – Present
MCM DAV College for Women, Panjab University, Chandigarh	Senior Lecturer, Physics	2002 - 2008
DAV College, Panjab University, Chandigarh	Lecturer, Physics	1999 - 2002
Miranda House, University of Delhi	Lecturer, Physics	1997 - 1999

CURRENT RESPONSIBILITIES - ST. STEPHEN'S COLLEGE

- Convener C1 - IQAC (Internal Quality Assurance Cell)
- Nodal Officer- NIRF, AISHE, and all other surveys
- Member, Internal Complaints Committee (ICC)

TEACHING PORTFOLIO

Mathematical Physics (I, II, III & Advanced), Linear Algebra, Tensor Analysis, Thermal Physics, Optics

PUBLICATIONS

- “Polyaniline based electromagnetic interference shielding materials”, Polymer-Plastics Technology and Materials (63, Issue 18, 2024)
- “Multifunctional composite materials for electromagnetic interference shielding”, Polymer-Plastics Technology and Materials (63, Issue 9, 2024)
- “Nucleosynthesis in a Universe with a linearly evolving scale factor”, Int. J. Mod. Physics D 10, 1, (2001)
- "On Observational constraints on Power Law Cosmologies", Physical Review D 60, 108301, (1999)
- “Studies of Structure formation in theories with a long-range repulsive gravitational force”, Astr. Astrophys. Trans. 14, 199, (1997)

AWARDS & ACADEMIC ACHIEVEMENTS

- Gold Medal awarded by the President of India for First Position in M.Sc. (Physics), University of Delhi (1995).
- First Position in B.Sc. (Hons.) Physics, SGTB Khalsa College, University of Delhi (1993).
- Qualified Joint CSIR-UGC NET for Junior Research Fellowship and Lectureship (December 1994).
- Presented research at national and international conferences and symposia during doctoral work.