

Curriculum Vitae

Name: Sangeeta Sachdeva

Date of Birth: 21 January 1967

Sex: Female

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Designation: Associate Professor,
Head of the Department of Physics, St Stephen's College, Delhi, India

Field of Specialization: Material Science

Teaching Experience: 28 Years

Education:

1996	PhD	Solid State Materials	IIT Delhi
1992	M.Tech	Solid State Materials	IIT Delhi
1989	MSc	Physics	Delhi University
1987	BSc (Hons)	Physics	Miranda House (Delhi University)

Administrative Responsibilities:

2025-present	Coordinator, Entrepreneurship Development Cell
2024-present	Member of the Building Committee
2024-present	Member of Grievance Redressal Committee
2023-present	Member of Internal Assessment Monitoring Committee
2023-present	Head of the Department of Physics, St. Stephen's College
2006-present	Time Table in-charge for the Physics Department
2025	Superintendent of May -June 2025 end semester examinations
2023-2025	Member of sub-committee of Committee of Courses in Physics for B.Sc. (Physics) Hons/Program, University of Delhi.

2022-2023	Tutor for Admissions (TFA)
2019	Organisation of three-days 23 rd Annual Popli Memorial Lecture Series by Prof. Joseph Samuel, RRI, Bengaluru on “Gravitation and Decoherence”, 13-15 March.
2018	Organisation of Founder’s Day (7 th December) of the college
2018	Organisation of The Ranjan Roy Memorial Lecture by Dr. Anuradha Saha, Ashoka University on “Why go to College”, 30 October.
2018	Conduction of college student union elections with in-house designed and fabricated electronic voting machine.
2018	Organisation of three-days 22 nd Annual Popli Memorial Lecture Series by Prof. Mustansir Burma, TIFR, Hyderabad on “Fluctuations and Order”, 21-23 March.
2017-18	Held the post of Curriculum Design and Planning in the AQAR-IQAC team
2017-2019	Staff advisor to Physics Society of the college
2017-2022	Staff advisor to Electronic Society of the college
2016-2017	B.Sc Programme Co-ordinator
2015	Member of Admission Committee and part of Interview Panel for Physics
2013	Superintendent of University examination.
2011-2013	Staff Council Secretary of the college
2012	Deputy Superintendent of University Examinations
2011, 2012	Conduction of in-house examination
2011-2015	Organized NAAC visit cultural event, college day, Parent’s Day etc
2007-2017	Staff adviser to Choreography Society of the college
2007-2012	Staff adviser to Electronic Society of the college

Academic Activities:

2026	Resource Person for SRIP (Summer Research and Innovation Programme) 29 June-15 July, 2025, St. Stephen’s College.
2025	Organisation and Resource Person for SRIP (Summer Research and Innovation Programme) 9-27 June, 2025, St. Stephen’s College.
2023	Member of the Syllabus designing team for Undergraduate Curriculum Framework (UGCF) under the National Education Policy (NEP), University of Delhi.

- 2023 Organization and resource person for Skill Development and Upgradation Workshop for Laboratory Personnel, St. Stephen's College, August 8-10, 2023
- 2017 EVM Project Presentation at INSA National Science Day
- 2012 Innovation project: On the Energy, Light Characteristics and Economic Feasibility of LED Luminaries.
- 2012 Participated in 'The Academic Congress'
Enabling the young: Redefining education by the University of Delhi
- 2011 Review of the book: Thermal Physics by Garg, Bansal & Gosh
Tata McGraw Hill Education Private Limited
- 2009 Participated in National Symposium on 'Indian Physics & Mega Projects'
D S Kothari Centre for Research & Innovation in Science Education, Miranda House
- 2005 An investigation of student's understanding of logic problems
Sangeeta Sachdeva, Savita Roy, Pratibha Jolly
Poster presentation at International Conference on Physics Education, Delhi.

Refresher/Orientation courses:

- 2011 Refresher Course in Physics & Electronics by Centre for Professional Development in Higher Education, Institute of life-long learning, University of Delhi, Dec 23, 2010-Jan 13, 2011.
- 2010 Refresher Course in Physics & Electronics by CPDHE, Institute of lifelong learning, University of Delhi, March 9-30, 2010.
- 2004 UGC sponsored Orientation Course by CPDHE, March 1-29, 2004.
- 2000 Refresher Course in Physics by CPDHE, May 1999 -July 2000.

List of Publications, Presentations and Participation

1. International Conference on Regenerative Ecosystems 2025 paper: Affordable Astronomy for Regenerative Scientific Ecosystems: G Sethi, S Thakur, S Sachdeva
2. Poyaniline based electromagnetic interference shielding materials; S Sachdeva, A Malhotra, G Sethi, N Nidhi, H Renjan E, JK Dash, R Patel
Polymer-Plastics Technology and Materials 63 (18), 2578-2610 (2024)
3. Multifunctional composite materials for electromagnetic interference shielding: G Sethi, A Malhotra, S Sachdeva, P Mehrotra, Y Bargla, S Jagtap, ...
Polymer-Plastics Technology and Materials 63 (9), 1187-1208 (2024)
4. EVM Project Poster Presentation at INSA National Science Day: Abhishek Chakravorty, Dr. Sangeeta Sachdeva (2017)
5. An investigation of student's understanding of logic problems: Dr. Sangeeta Sachdeva,

Dr. Savita Roy, Dr. Pratibha Jolly; Poster presentation at International Conference on Physics Education, Delhi. (2005)

6. Treatment of MoS₂ films by high energy heavy ion beams. Amitabh Jain, Sangeeta Srivastav; Thin Solid Films, 277; 128 (1996)
7. Improvement of adhesion of TiN coatings on stainless steel substrates by high energy. Sangeeta Srivastav, Amitabh Jain, D.Kanjilal; Nuclear Instruments & Methods, PR: B101/4; 400 (1995)
8. Effect of substrate heating & high energy heavy ion irradiation on the performance of Cr films; Sangeeta Srivastav, Amitabh Jain; Journal of Vacuum Science & Technology, A13:2997 (1995)
9. Ellipsometric study of diamond like carbon thin films; Dr. B.R.Mehta, Dr. V.D.Vankar, G.Srinivas, Sangeeta Srivastav; Presented at 2nd International Conference on Semiconducting Materials, New Delhi (1992).