



Faculty Details Proforma For College Web-site



Title	Dr	First Name	Manoj	Last Name	Giri	Photograph
Designation	Assistant Professor					
Address	Daulat Ram College, 4 Patel Marg , Delhi-110 007					
Email - ID	manojgiri@dr.du.ac.in					
Web Page	www.dr.du.ac.in					
Educational Qualification						
Degree	Institution					Year
Ph.D. (Physics)	Kurukshetra University, Kurukshetra					2005
M.Sc. (Physics)	Chaudhary Charan Singh University, Meerut (Campus)					1998 (1st Position)
B.Sc.	Chaudhary Charan Singh University, Meerut					1996
Career Profile						
1. Assistant Professor: Daulat Ram College (University of Delhi), 04-10-2022 to date on a permanent basis. 2. Assistant Professor: Sri Venkateswara College (University of Delhi), 19-01-2017 to 03-10-2022 on an Ad-hoc basis. 3. Assistant Professor: H.C.T.M. Kaithal (Kurukshetra University), 02-06-2005 to 18-01-2017 on regular basis.						
Administrative Assignments						
Member of IQAC (2017-2022), Member of Admission Committee (2017-2021), Member of NAAC Committee (2018-2021), Member of Result Analysis Committee (2017-2022) at Sri Venkateswara College and Member of Admission Committee (2023), Member of Result Analysis (Departmental-2023), Member of Hostel Committee (2022-23), Member of Gandhi Study Circle (2023-2025), Member of Discipline Committee (2023-2025), Association In-charge 'Coherence' (2024-2025), Member of Admission Committee (2025-26), Member of Prize Committee (2025-2026), Member of Purchase Committee (2025-2026) and TIC, Department of Physics (2025-2026) at Daulat Ram College.						
Areas of Interest / Specialization						
Spectroscopy, Material Sciences						

Subjects Taught

Elements of Modern Physics (H), Nuclear and Particle Physics (H), Waves and Optics (GE), Mechanics, Electricity & Magnetism (GE, Honors), Light and Matter (H), Biophysics (Biological Sciences- H), Programming with Python (SEC), Digital Empowerment (VAC) and Engineering Physics.

Research Guidance

1. **Guided three M.Phil. students** (2008/ 2006UCDLM-Phy 8191, 2008/ 2006UCDLM-Phy 8333 and 2008 /2006UCDLM-Phy 8235).
2. Guided 10 students in the summer internship project program during 2019-2020 and 2021-2022 at Sri Venkateswara College under the SRI-VIPRA Scheme.

Publications Profile (2021-2025)

1. Neena Jaggi, Svivangi Joshi, **Priyanshi Sharma, Kanchan Dagar & Manon Giri**, An Analysis of the Electronic Absorption Spectrum of Disperse Orange 3—An Azo Dye. *J. Electron. Mater.* **53** (12) 7509–7514 (2024), *SCI & Thomson Reuters Journal, Springer, IF: 2.8* <https://doi.org/10.1007/s11664-024-11440-y>.
2. Yukti Gupta, Mayank Mittal, **Manoj Giri** & Neena Jaggi, Structural, Optical, and Electrical Properties of FMWCNTs/CuS Nanocomposites, *J. Electron. Mater.* **53** (9) 5184–5192 (2024), *SCI & Thomson Reuters Journal, Springer, IF: 2.8* <https://doi.org/10.1007/s11664-024-11212-8>.
3. Babita Bisht, Sanjay Pant, and **Manoj Giri**, Static and dynamic fluorescence spectroscopic analyses of direct yellow 27 -an azo dye, *Indian Journal of Physics*, (2022) *SCI & Thomson Reuters Journal, Springer, IF: 1.7*, <https://doi.org/10.1007/s12648-021-02040-1>.
4. Babita Bisht, Sanjay Pant, and **Manoj Giri**, Fluorescence Spectral Properties of Methyl Orange in Homogeneous Media, *J Fluorescence* 31, 1787–1795, (2021) *SCI & Thomson Reuters Journal, Springer, IF: 3.4*, <https://doi.org/10.1007/s10895-021-02820-2>.

Total Publications: 29

Conference Organization / Presentation (in the last four years)

1. Absorption Spectra of Orange Green in Homogeneous Media, **Priyanka Prakhya, Pranjali Mishra, Surbhi Gupta & Manoj Giri**, *International Conference on Emerging Frontiers in Sustainable, Functional, and Advanced Materials (IC-SFAM 2026)*, Shivaji College, University of Delhi, New Delhi. April 9-10 (2026) p-128.
2. Spectral Parameters of Orange Green in Aqueous Solutions, **Priyanka Prakhya, Pranjali Mishra, Priyanshi Sharma, Kanchan Dagar, Yukti Gupta & Manoj Giri**, *International Conference on Emerging Frontiers in Sustainable, Functional, and Advanced Materials (IC-SFAM 2026)*, Shivaji College, University of Delhi, New Delhi. April 9-10 (2026) p-147.
3. Photo-physical Parameters of Disperse Red 1 in Homogeneous Media, Shivangi Joshi, Vidhi Tyagi, Deeksha Pandey, Monika Vemala, Aarathi R, Rachit Kapoor, **Priyanshi Sharma, Kanchan Dagar & Manoj Giri**, 3rd International Conference on “Advanced Functional Materials & Devices for Sustainable Development” (AFMD-2025), 03- 05 March (2025) at ARSD (University of Delhi).

4. Spectral studies of direct yellow 8 in methanol using UV-visible spectroscopy, 11th National Conference on Nanoscience and Instrumentation Technology (NCNIT-2024), Kurukshetra, November 08-09 (**2024**).
5. Degradation of acid yellow 17-an azo dye by silver nanoparticles utilizing UV-visible spectroscopy, Yukti Gupta, Neena Jaggi & Manoj Giri, 28th International Conference on Nuclear Tracks and Radiation Measurements (28th ICNTRM-2023), Guru Gobind Singh Indraprastha University (Govt. of NCT of Delhi), New Delhi, India, November 6-10 (**2023**), page 192, ISBN: 978-93-94124-89-9.
6. An analysis of electronic absorption spectrum of methyl red - an azo dye, Sejal Chandna, Kamalpreet Kaur, Anushka Pahuja & Manoj Giri, International Conference on “Recent Advances in Functional Materials (RAFM-2022), 14 - 16th March (**2022**) at ARSD (University of Delhi) PP-01.
7. Spectral analysis of methyl orange and its interaction with protein by UV-visible spectroscopy, Jassika Gupta, Sejal Chandna, Akash Verma, Priyansh Agarwal & Manoj Giri, International Conference on “Recent Advances in Functional Materials (RAFM 2022), 14 - 16th March (**2022**) at ARSD (University of Delhi), PP-73.

Refreshers Course: 03, One-month Induction Programme (Faculty Induction Programme): 01, PDF: 05

Research Projects (Major Grants/Research Collaboration)

1. SRI-VIPRA SCHEME Internship Project in the year 2019-20 at Sri Venkateswara College

Awards and Distinctions

1. **First Position (Gold Medal) in M.Sc. (Physics)**
2. **Sir Ibrahim Scholarship Award by University of Mumbai to research Azo-Dyes.**
3. **Reviewer of the Journal of Fluorescence (Springer) and Indian Journal of Chemical Technology (NISCAIR).**

Association with Professional Bodies

1. Life Member of Haryana Vigyan Bharti.
2. Life Member of ISTE.
3. Ex-executive Committee Member of Haryana Vigyan Bharti

Other Activities

Convenor and member of Syllabus Designing:

1. Convener of Biological Sciences (H) Paper: Physics for Biologist (2022).
2. Member of Biological Sciences (H) Paper: Instrumentation Techniques in Biological Sciences (2022).