




## Shivaji College Faculty Details Proforma



| Title                             | Ms. | First Name  | RACHNA | Last Name | CHAURASIA              | Photograph  |
|-----------------------------------|-----|---|--------|-----------|------------------------|---|
| <b>Designation</b>                |     | <b>Assistant Professor</b>                                |        |           |                        |  |
| <b>Address</b>                    |     | R – Ext. 21, Vikas Vihar, Uttam Nagar, New Delhi - 110059 |        |           |                        |   |
| <b>OfficePhone No.</b>            |     |   |        |           |                        |   |
| <b>Residence</b>                  |     |   |        |           |                        |   |
| <b>Mobile</b>                     |     | 9953872896  |        |           |                        |   |
| <b>Email</b>                      |     | rachna.ji12@gmail.com                                     |        |           |                        |   |
| <b>Web-Page</b>                   |     |   |        |           |                        |   |
| <b>Educational Qualifications</b> |     | M.Sc (Physics)  |        |           |                        |   |
| <b>Degree</b>                     |     | <b>University/Institute</b>                               |        |           | <b>Year</b>            |   |
| <b>Ph.D.</b>                      |     | Jawaharlal Nehru University                               |        |           | 2021(Thesis submitted) |   |
| <b>M.Phil./M.Tech</b>             |     |   |        |           |                        |   |
| <b>PG</b>                         |     | Indian Institute of technology, Delhi                     |        |           | 2014                   |   |
| <b>UG</b>                         |     | University of Delhi                                       |        |           | 2012                   |   |

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|---|--|--|
| <b>Any Other Qualification</b>  |  |  |
|   |  |  |
| <b>Career Profile</b>   |  |  |
| Assistant Professor at Shivaji College, University of Delhi.  |  |  |
| <b>Administrative Assignments</b>   |  |  |
|   |  |  |
| <b>Areas of Interest/Specialisation</b>   |  |  |
| Experimental Condense Matter Physics  |  |  |
| <b>Subjects Taught</b>  |  |  |
| Mechanics, Electricity and Magnetism  |  |  |
| <b>Innovation Project/Research Projects (Major Grants/Research Collaboration)</b>   |  |  |
|   |  |  |
| <b>Publications Profile (Research Papers/Books)</b>   |  |  |
| <ul style="list-style-type: none"> <li>• <b>R. Chaurasia</b>, H. Kumar and A. K. Pramanik, AIP Conference Proceedings 1942, 080047 (2018).</li> <li>• <b>R. Chaurasia</b>, K.C. Kharakwal and A. K. Pramanik, "Interface induced exchange bias effect in La<sub>0.67</sub>Sr<sub>0.33</sub>MnO<sub>3</sub>/SrIrO<sub>3</sub> multilayer" Physics Lett. A, 1642 383 (2019).</li> <li>• <b>R. Chaurasia</b>, K.C. Kharakwal and A. K. Pramanik, AIP Conference Proceedings 2142, 080008 (2019).</li> <li>• K. C. Kharkwal, <b>R. Chaurasia</b> and A K Pramanik "Unusual exchange bias in Sr<sub>2</sub>FeIrO<sub>6</sub>/La<sub>0.67</sub>Sr<sub>0.33</sub>MnO<sub>3</sub> multilayer" Journal of Condense Matter, 13LT02 31 (2019).</li> <li>• H. Kumar, <b>R. Chaurasia</b>, P. Kumari and A. K. Pramanik, AIP Conference Proceedings 1942, 130058 (2018).</li> <li>• K C Kharkwal, <b>R. Chaurasia</b> and A K Pramanik, Pramanik AIP Conference Proceedings 2115, 030304 (2019).</li> <li>• S. Chaudhary, <b>R. Chaurasia</b> and S. Patnaik, AIP Conference Proceedings 2115, 030325 (2019).</li> <li>• <b>R. Chaurasia</b>, K. Asokan , K. Kumar, and A. K. Pramanik, "Low-temperature ferromagnetism in perovskite SrIrO<sub>3</sub> films" Phys. Rev. B 103, 064418 (2021).</li> </ul> |  |  |
| <b>Conference/Seminar/Faculty Development Programme/Workshop</b>  |  |  |

- Attended Workshop on Physical Properties Measurement System, Advanced Instrument Research Facility, JNU.
- Participated in 62<sup>nd</sup> DAE Solid State Physics symposium, 26 – 30 December 2016.
- Participated in SPS March Meeting 2017, JNU.
- Participated in Annual Open Day 2017, JNU.
- Participated in 17<sup>th</sup> International Conference on Thin Film, 13-17 Nov. 2017.
- Attended 63<sup>rd</sup> DAE Solid State Physics symposium 26 – 30 December 2017.
- Participated in SPS March Meeting 2018, JNU.
- Participated in National Science Day 2018, JNU.
- Attended course in “Multifunctional Complex Oxides Thin Film Heterostructures by Design”, GIAN Ministry of Human Resources Development.
- Attended International conference on advances in basic sciences 2019.
- Participated in SPS March Meeting 2019, JNU.
- participated in National Workshop on Challenges of Teaching Physics Laboratory Course in Online Mode, organized by Kalindi College, University of Delhi, from January 23<sup>rd</sup>-25<sup>th</sup> 2021.

**Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)**

NA

**Awards and Distinctions**

**Memberships**

**Other Academic Activities**

- Organizing member in the International Webinar on **Era of Optical clocks**, Organized by Department of Physics, Shivaji college, on December 4<sup>th</sup> 2020.

**Cultural/Extracurricular Activities**



**Signature of Faculty Member**