




Shivaji College Faculty Details



| Title | Dr. | First Name | Radheshyam | Last Name | Photograph |
|--|---|--|------------|-------------|---|
| Designation | | Assistant Professor | | |  |
| Address | | Department of Physics Shivaji College Rajouri Garden, New Delhi-110027 | | | |
| Mobile | | 8920535885 | | | |
| Email | | imdrres@gmail.com | | | |
| Educational Qualifications | | | | | |
| Degree | University/Institute | | | Year | |
| Ph.D. | University of Delhi, Delhi | | | 2017 | |
| PG | University of Rajasthan, Jaipur | | | 2009 | |
| UG | Govt. Lohia College, Churu, University of Bikaner | | | 2007 | |
| Any Other Qualification | Junior Research Fellowship: SSPL (DRDO), 2011. GATE-2011. NCC 'C' Certificate, 2007 | | | | |
| Career Profile | | | | | |
| Assistant Professor: <ul style="list-style-type: none"> ➤ Department of Physics, Bhaskaracharya College of Applied Science, University of Delhi, February 2018- January 2019. ➤ Department of Physics, Shivaji College, University of Delhi, January 2019 to till date. | | | | | |
| Administrative Assignments | | | | | |
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| Areas of Interest/Specialisation | | | | | |
| <ul style="list-style-type: none"> ➤ Epitaxial growth of HgCdTe material ➤ Fabrication of Infrared Radiation Detector ➤ Solar cell | | | | | |

Subjects Taught

- Solid State Physics
- Electricity & Magnetism
- Thermal and Statistical Physics
- Classical Dynamics

Publications Profile (Research Papers/Books)

- Radheshyam Nokhwal, Vanya Srivastav, Ansu Goyal, B. L. Sharma, S. A. Hashmi and R. K. Sharma, Surface Studies on HgCdTe Using Non-Aqueous Iodine Based Polishing solution, *Journal of Electronic Materials*, Vol. 46, no- 12, pp. 6795-6803, 2017.
- Radheshyam Nokhwal, Raghvendra Sahai Saxena, B. L. Sharma, Anand Kumar, S. A. Hashmi and R. K. Sharma, "Study of dislocations in HgCdTe epilayer at (111)B and (110) surfaces using modified defect etchant", *Infrared Physics & Technology*, Vol. no- 71, pp. 378-383, 2015.
- Raghvendra Sahai Saxena, Radheshyam Nokhwal, R. K. Bhan, R. K. Sharma, "Electrical characteristic signatures for non-uniformity analysis in HgCdTe photodiode arrays", *Infrared Physics & Technology* Vol. no- 56, pp. 69-75, 2013.
- Rachna Manchanda, Radheshyam Nokhwal, Varun Sharma, Hemant Sharma, Chanchal, B.L. Sharma and S. Sitharaman, Liquid Phase Epitaxy Growth Process for Mercury Cadmium Telluride, *Crystal*, Vol. No. 21, Issue 1, pp- 33-35, 2016, ISSN no.-2454-6925, 2013.

Conference/Seminar/Faculty Development Programme/Workshop

- Radheshyam Nokhwal, Akhilesh Pandey, B. L. Sharma, Puneet Sharma, Preeti Garg, S. A. Hashmi and R. K. Sharma, "Observation of Over-Layer deposition on HgCdTe Epilayers grown by Vertical dipping Liquid Phase Epitaxial" *Environmental science and engineering*, ISBN no- 978-3-319-03002-9 (online), PP- 829-831, 2013
- Radheshyam Nokhwal, Akhilesh Pandey, B. L. Sharma, Sandeep Dalal, Garima Gupta, S. A. Hashmi and R. K. Sharma, "Studies on polishing process induced damage in HgCdTe Epilayers", *International Workshop on Physics of Semiconductor Devices*, 2017
- Radheshyam Nokhwal, Akhilesh Pandey, B. L. Sharma, Rachna Manchanda, Varun Sharma, Sandeep Dalal, Raghvendra Sahai Saxena and R. K. Sharma, "Chemo-mechanical polishing of HgCdTe Epilayers grown using LPE technique" *International Workshop on Physics of Semiconductor*, 2017
- Radheshyam Nokhwal, Anshu Goyal, B. L. Sharma, Varun Sharma, Raghvendra Sahai Saxena and R. K. Sharma, "Studies on Iodine based Polishing of HgCdTe material" *International Workshop on Physics of Semiconductor Devices*, 2017
- Participation in Faculty development program on "Sustainable development" organized by ARSD college (October 15-22, 2018)

Awards and Distinctions

- Group Technology Award for LPE Activity for year 2014 for incorporation of ideal Chemo-mechanical process using Iodine based solution in place of Bromine Methanol solution.
- The technology for the Chemo-Mechanical process (CMP) process successfully transferred to Production Agency CEL Sahibabad.
- Best research paper award for 2017-18, in Solid State Physics Laboratory (DRDO)

Other Academic Activities

Organizing Committee Member in

- Annual report committee, 2018, Bhaskaracharya College of Applied Science, University of Delhi.
- Annual committee refreshments committee, 2018, Bhaskaracharya College of Applied Science, University of Delhi.
- Cleanliness activities at college, 2018, Bhaskaracharya College of Applied Science, University of Delhi.
- Alumni meet committee 2019, Bhaskaracharya College of Applied Science, University of Delhi.



Signature of Faculty Member