

CURRICULUM VITAE

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Educational Qualifications:

- Ph.D. from Department of Physics, Kurukshetra University, Kurukshetra.
- Qualified CSIR-National Eligibility Test (CSIR-JRF NET) December 2015.
- Post-Graduation M.Sc. (Physics) from Maharshi Dayanand University, Rohtak.

Research Publications

1. **Ravi Kumar**, Meena, Rajiv Kumar, Annu Sharma and Sanjeev Aggarwal “Modifications in Optical parameters of PVA by embedded Au-Ag core-shell Nanoparticles”, AIP Proceedings 2093, 020006 (2019). <https://doi.org/10.1063/1.5097075>.
2. **Ravi Kumar**, Annu Sharma, Rajiv Kumar, and Pawan K. Sharma “Tuning of optical parameters of polyvinyl alcohol by Cu-Ag core-shell nanoparticles” Integrated Ferroelectrics Vol. 204, 150–156 (2020). <https://doi.org/10.1080/10584587.2019.1674974>
3. **Ravi Kumar**, Rahul Kaushik, Rajiv Kumar, D. Amilan Jose, Pawan K. Sharma and Annu Sharma “Facile Synthesis of Cu@Ag based Nanoparticles and Nanocomposites as Highly Selective and Sensitive Colorimetric Cyanide Sensor” Materials Chemistry and Physics 260 (2021) 124132. <https://doi.org/10.1016/j.matchemphys.2020.124132>.
4. **Ravi Kumar**, Rajiv Kumar, Pawan K. Sharma and Annu Sharma “Synthesis and characterization of PVA embedded with peanut shaped AgcAus nanoparticles: optical and electrical properties” Polymer Bulletin (2022). <https://doi.org/10.1007/s00289-022-04396-8>.
5. **Ravi Kumar**, Rajiv Kumar, Anil Arya, Pawan K. Sharma and Annu Sharma “Structural, optical and electrical investigation of polyvinyl alcohol thin film doped with gold core and silver shell nanoparticles” Brazilian Journal of Physics 52 (2022) 163. <https://doi.org/10.1007/s13538-022-01170-z>.
6. Navneet Kaur, Anil Arya, **Ravi Kumar**, Jaspreet Kaur, Savita, Nidhi Khattar, Pawan K. Diwan, Annu Sharma “Au-Ag NPs embedded Sago Starch-Sodium Alginate composites: An investigation of structural, thermal and dielectric properties for applications in flexible electronic devices” Materials Science & Engineering B 293 (2023) 116495. <https://doi.org/10.1016/j.mseb.2023.116495>.
7. Navneet Kaur, Jaspreet Kaur, Savita, **Ravi Kumar**, Anil Arya, Annu Sharma “Improved dielectric properties of Sago Starch-Sodium Alginate (SS-SA) blend embedded with Cu-Ag nanoparticles” Materials Chemistry and Physics 309 (2023) 128442. <https://doi.org/10.1016/j.matchemphys.2023.128442>