Curriculum Vitae

Sarvesh Bansal

Research Scholar
Physics Department
Indian Institute of Technology Delhi
New Delhi, India
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ACADEMIC DETAILS

Qualification	Board/University	Year	Percentage/CGPA
Ph.D	Indian Institute of Technology Delhi	pursuing	-
M.Sc Physics	Indian Institute of Technology Delhi	2018	8.575 (out of 10)
B.Sc(Honors) Physics	Panjab University Chandigarh	2016	80.06
XII	Central Board of Secondary Education	2013	89
X	Punjab School Education Board	2011	83.46

AREA OF INTEREST

- Phase Singularity
- Polarization Singularity
- Holography
- Digital Imaging
- High Energy Physics

PUBLICATIONS

- Sarvesh Bansal, Sushanta Kumar Pal, and P. Senthilkumaran, "Use of q-plate as a coupler," Appl. Opt. 59, 4933-4938 (2020)
- Sushanta Kumar Pal, Sarvesh Bansal, and P. Senthilkumaran, "Generation of Stokes vortices in three, four and six circularly polarized beam interference," AJP. 28, 867-875 (2019)

FELLOWSHIP AND AWARDS

- Qualified “National Eligibility Test (NET) - December 2016” in “Physical sciences” and awarded “Council of Scientific and Industrial Research (CSIR) - Junior Research Fellowship (JRF)” to carry out Ph.D.
- Qualified “Graduate Aptitude Test in Engineering (GATE)-2018” in “Physics” with Percentile - 96.4.
- National Graduate Physics Examination (NGPE) 2016 - State Topper

CONFERENCES AND WORKSHOP

- Sarvesh Bansal, Sushanta Kumar Pal and P. Senthilkumaran, "Action of q-plate on hybrid order Poincare beams," Workshop on Optics and Photonics: Theory and Computational Techniques (OPTCT)-2020 (virtual).
- Sarvesh Bansal, Sushanta Kumar Pal and P. Senthilkumaran, "Synthesis of Stokes vortices using spatially varying half wave plate," JSAP Autumn meeting, Japan (2020) (virtual).
- Sarvesh Bansal, Sushanta Kumar Pal and P. Senthilkumaran, "Realizing dark C-point from bright C-point," International OSA Network of Students (IONS-2020).
- Sarvesh Bansal, Sushanta Kumar Pal and P. Senthilkumaran, "A method to distinguish C-point from V-point," International Conference on Optics Electro- Optics (ICOL 2019).

- Attended the workshop on Optics and Photonics: Theory and Computational Techniques (OPTCT)-2019.
- Sarvesh Bansal, Sonali, Sushanta Kumar Pal and P. Senthilkumaran, "Effect of S-wave plate on C-point polarization singularity," Photonics, IIT Delhi (2018).
- Sarvesh Bansal, and Kajari Mazumdar, "Determination of cross section for top quark pair production at LHC and study of jets from top quark decays," IAPT: National Student Symposium on Physics 2017" It is also published in Student Journal of Physics.
- Presented a poster on "Light fidelity (Li-Fi)" in Chandigarh Science Congress: CHASCON 2016.
- Worked as volunteer in INSPIRE-DST camp.

INTERNSHIPS

- Visiting Students' Research Programme (VSRP-2017)- Tata Institute of Fundamental Research, Mumbai.
- Astronomy and Astrophysics School 2016 -Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram.

COMPUTER SKILLS

- C++ (*Beginner)*, Matlab, LaTeX.

INTEREST AND HOBBIES

- Table Tennis, Cricket
- Animated series and Music