

Kapil Kumar Gangwar

Research Scholar
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MS-317A, IITD, Hauz Khas
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Research Area

- Phase singularity.
- Polarization Singularity.
- Metasurfaces.

Academic Details

Educational Qualification	Year	Institution/Board	CGPA/%
Ph.D	Pursuing	Indian Institute of Technology Delhi	-
M.tech (Solid State Technology)	2019	Indian Institute of Technology Kharagpur	8.51/10
Master of Science (Physics)	2015	Invertis University Bareilly, UP	74.95/100
Bachelor of Science	2013	M.J.P. Rohilkhand University, Bareilly	65.11/100
Sr. Secondary school examination	2010	Uttar Pradesh Board	71.8/100
High school examination	2008	Uttar Pradesh Board	69/100

Skills

Experimental Skills

- Lithography.
- Familiar with basic coding in C, Matlab.
- Well skilled with internet applications, MS Office, Latex.
- Familiar with Software packages like: Origin.

Conferences/Seminar

- National seminar on atomic energy in the service of the nation (AESN 2015).
- Kapil K Gangwar et al, "Tracking the rotation of a birefringent crystal using speckles" Students IONS-2020.

Achievements

- Qualified Graduate Aptitude Test in Engineering (GATE) - 2017.

Publication

- **Kapil K Gangwar**, Abhijit Roy and Maruthi M Brundavanam "Tracking the rotation of a birefringent crystal from speckle correlation", J. Opt. **23**(2021) 075605.

Thesis

Master of Science

(Jan, 2015 – May, 2015)

Title: "Study and Analysis of A Microstrip Patch Antenna Array".

Supervisor: **Ms. Sweta Agarwal, Invertis University, Bareilly, India.**

Master of Technology

(July, 2018 – May, 2019)

Title: "Generation of Optical Vortex Beam and their interactions with Random Diffuser and Birefringent Crystal".

Supervisor: **Dr. Maruthi Manoj Brundavanam, IIT KGP, India.**

Personal Profile

- Date of Birth: 13 Nov 1994
- Nationality: Indian
- Gender: Male
- Language Known: English and Hindi
- Marital Status: Unmarried

Ph.D Supervisor

- **Dr. P. Senthilkumaran**
Professor, Department of Physics, Indian Institute of Technology Delhi, India.
Email: P.Senthilkumaran@physics.iitd.ac.in

Place: IIT Delhi

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