PITAMBAR MUKHERJEE

+33669278363 ◇ Arambagh,Hooghly,West Bengal,India,Pin-712413

pitambar.mukherjee@u-bordeaux.fr◇ papanphysics26@gmail.com

OBJECTIVE

To carry forward my creativity, knowledge, unique perspective in problem solving and motivation to an innovative Research program in Physics and actively devote myself in the challenging and engaging endeavor of Scientific Research.

EDUCATION

- **Doctor of Philosophy (PhD)**, University of Bordeaux, IMS UMR CNRS 5218 2023-2026

  Thesis Title: 3D Hyperspectral Phase Imaging with Beam Shaping in the Terahertz (THz) Band.

  Thesis Supervisor: Patrick Mounaix (Directeur de Recherches 1^{ere} classe /CNRS Senior Researcher)

- **Master of Technology (Applied Optics)**, Indian Institute of Technology Delhi 2021–2023
  CGPA: (9.50/10)
  Percentage: 95%
  Relevant Coursework: Biomedical optics and Bio-Photonics, Optical systems design, Optical sources and Photometry, Basic optics and optical instrumentation, Ultrafast optics and applications, Fourier optics and holography, Laser systems and applications, Optical Components and basic instrumentation, Optical fabrication and metrology, Advanced optics laboratory, Computational optics laboratory, Statistical Optics.

- **Master of Science (Physics)**, Bilaspur Vishwavidyalaya 2015–2017
  Percentage: 68.5%

- **Bachelor of Science (Physics)**, The University of Burdwan 2012–2015
  Percentage: 56.4%

PUBLICATION

- Mehta, D.S., Bhatt, S., Kaur, H., Mukherjee, P., Borah, D., Ahmad, A., Kumar, A. and Butola, A., 2023, March. Longitudinal spatial coherence gated line-field optical coherence tomography of multilayer structures with speckle-free and reduced crosstalk. In Label-free Biomedical Imaging and Sensing (LBIS) 2023 (Vol. 12391, pp. 150-156). SPIE. https://doi.org/10.1117/12.2651043
- V. Kumar, P. Mukherjee, F. Fauquet, A. Badon, P. Mounaix, and S. Gigan, "Terahertz Fourier Ptychography for Complex Media Imaging," in 2024 49th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), 1-3 (2024).
- Vivek Kumar, Pitambar Mukherjee, Lorenzo Valzania, Amaury Badon, Patrick Mounaix, and Sylvain Gigan, "Fourier synthetic-aperture-based time-resolved terahertz imaging," Photon. Res. **13**, 407-416 (2025).

DECLARATION

I, hereby declare that the above-furnished particulars are true to the best of my knowledge and belief. If a chance given, I will prove my efficiency, my loyalty and willingness to work.