CURRICULAM-VITAE

Title	Dr.	First Name	Pradeep Kumar	Last Name	Gupta	Photograph
Designation		Assistant Professor				
Address		Department of Physics, AcharyaNarendraDev College, (University of Delhi) Govindpuri, Kalkaji, New Delhi 110019				
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Residence						
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Educational Qualifications

Degree	Institution	Year
M.Sc.	University of Allahabad	2008
M.Tech.	Indian Institute of Technology Delhi	2013
Ph.D.	Indian Institute of Technology Delhi	2018

Career Profile

- Teaching Assistant (For M. Tech. students) — From July 2012 to July 2018
  IIT Delhi
- Assistant Professor (Physics) — Since July 24,2018 till now
  Department of Physics , Acharya Narendra Dev College

Administrative Assignments

Areas of Interest / Specialization

Laser Plasma Interaction

- Ultra Short Pulse laser plasma interaction for Photodisruption
- T Hz radiation generation
- Laboratory plasma

Subjects Taught

- Mechanics
- Electricity and magnetism
- Elements of modern physics
- Computational physics

Research Guidance

Publications Profile

***1*. P. K. Gupta**, R. K. Singh, D. Strickland, M. C. W. Campbell, and R. P. Sharma,Effect of multiphoton ionization on performance of crystalline lens, *Optics letters 39, 6775 (2014)*.

2. *R .P. Sharma,* **P. K. Gupta**, R. K. Singh, and D. Strickland, Nonlinear Laser Pulse response in crystalline lens, *Optics letters 41, 1423 (2016)*.

***3*.P. K. Gupta**, S. Sharma, N. Gaur, R. K. Singh, R.P.Sharma and R.Uma, laser pulse compression and intensity enhancement, *Phys. Plasmas 23, 093122 (2016).*

4. S. Kumar, **P. K. Gupta,** R. K. Singh, S. Sharma, R. Uma and R. P. Sharma, Pulsecompression and selffocusing of Gaussian laser pulses in plasma having relativistic ponderomotive nonlinearity, *Laser and particle beams**35**, 429 (2017).*

5. S. Kumar, **P. K. Gupta,** R. K. Singh, S. Sharma, R. Uma and R. P. Sharma, Self-compressionof two co-propagating laser pulse having relativistic nonlinearity in plasma,*Laser and particle beams **35**, 722 (2017).*

6. **P. K. Gupta**, R. K. Singh and R. P. Sharma, Dynamics of focused femtosecond Laser Pulse during photodisruption of crystalline lens, *Physics of Plasmas **25**, 043121 (2018).*

7. S. Kumar , **P. K. Gupta**, R. Uma and R.P. Sharma, Enhancement in self-compression due to co- propagating laser pulse in plasma, *Optics Communications **427**, 37(2018).*

8. R.P. Sharma, Narender Kumar, R. K. Singh, R. Uma and **P. K. Gupta**, Transient setting of relativistic ponderomotive non-linearity and filamentation of ultra-short laser pulses in collisionless plasmas, *Laser and particle beams **37**, 259 (2019).*

Conference/ Presentations/Workshops

Research Projects (Major Grants/Research Collaboration)

Awards and Distinctions

- Qualified NET, which was held on Dec.-2010 and organized by CSIR-India
- Secured 75 rank in JOINT CSIR-UGC TEST FOR J.R.F AND ELIGIBILITY FOR LECTURESHIP (NET), June 2011.
- Qualified GATE in 2011, All India rank 110

Association With Professional Bodies

Other Activities