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Facilitation Centre for Industrial Plasma Technologies

Institute for Plasma Research

Gandhinagar



Name : Kushagra Nigam
Qualification : M.Sc. (Hons.) Physics, B.E. (Hons.) EEE
Designation : Scientific Officer - D

Contact

Phone : 079-2326-9023
Mobile : 9545434912
E-mail ID : kushagra.nigam@ipr.res.in

Field of Work

- Basic Plasma Physics
- Plasma Sterilization
- Non Thermal Plasma based exhaust treatment

Projects and Technologies

- Plasma Sterilization
- Development of Exhaust treatment system

Publications (IEEE format)

- “Electron sheath evolution controlled by a magnetic field in modified hollow cathode glow discharge” R Rane, S Chauhan, P Bharathi, K Nigam, P Bandyopadhyay, S Mukherjee, Physics of Plasmas 25 (9), 093509
- “Novel High Voltage Pulsing to Generate Uniform Glow Discharge Air Plasma for Environment Friendly Inline Treatment of Textile” V Jain, K Nigam, N Tanwani, S Adam, S Nimish, SK Nema, 2019 IEEE Pulsed Power & Plasma Science (PPPS), 1-3