

Facilitation Centre for Industrial Plasma Technologies
Institute for Plasma Research
Gandhinagar



Name : Dr. Alphonsa Joseph

Designation : Scientific Officer H

Contact

Phone : 07923269029

Qualification : PhD in Corrosion Science and Engineering

E-mail ID : alphonsa@ipr.res.in

Field of Work

- Plasma based surface modification processes like plasma nitriding and plasma carburizing processes
- Plasma based processes for biomedical applications
- Plasma based processes for agriculture
- Corrosion testing

Projects and Technologies

Developing prototype plasma carburizing system for surface hardening

Promotion of Plasma Nitriding/Nitrocarburising process for surface hardening of industrial components

Project Coordinator for Plasma Technologies for industrial and societal benefits

Publications

For Publication Details , please see :

https://scholar.google.com/citations?user=UJVBe_gAAAAJ&hl=en

Patents

Plasma Enhanced Jet Vapor Deposition of Metallic Films

Patent no. 403977 Application No. : 494/MUM/2010 Date of Filing : 24/02/2010