

INSTITUTE FOR PLASMA RESEARCH
(An Autonomous Institute of DST, Govt. of India)
Near Indira Bridge, Gandhinagar Highway,
BHAT, GANDHINAGAR 382 424

ADVT. NO. 08/95

FACULTY AND POST-DOCTORAL POSITIONS IN PLASMA PROCESSING

The Institute for Plasma Research is an autonomous research institute established by the Department of Science and Technology, Govt. of India to lead the country's Plasma Physics and Magnetic Confinement Fusion Research Programme.

The Plasma Processing Group of IPR is involved in the development of advanced plasma-assisted material processing technologies for the Indian industry. The group interacts with industry through all the phases of technology generation; from conception to commercialization. It is a multidisciplinary activity and hence provides considerable scope for exposure to different areas of specialization.

Plasma processing is an emergent technology which utilizes exotic properties of the plasma state to effect physical, chemical and metallurgical transformation in materials to produce new materials or impart new properties to conventional materials. Plasma processing has already entered the industrial arena in advanced countries.

The Plasma Processing Group of the Institute for Plasma Research exploits the IPR expertise plasma and allied technologies in developing plasma-assisted material processing technologies for Indian industries. PPG interacts closely with entrepreneurs through all the phases of technology generation and transfer from concept to commercialization. A technology demonstration facility and a surface and material characterization facility with many advanced instruments are being set up.

FACULTY AND POST-DOCTORAL POSITIONS

The PPG invites applications for the post of Associate Professor – I, Fellow/Scientist – SD and Post Doctoral Fellows. The specific projects on which they would be working are:

1. Development of processes and techniques in plasma-assisted pyrometallurgy and mineral processing.
2. Plasma-based synthesis of ceramic and metal powders of industrial relevance.
3. Development of multi-function surface engineering techniques and systems.
4. Plasma source ion-implantation techniques and material evaluation.

Qualification and Experience: Ph D with adequate research experience in high voltage techniques, surface sciences, ceramics, process and physical metallurgy and related areas to contribute to the research and development programmes.

GENERAL INFORMATION

Scale of Pay :

1. Associate Professor – I : Rs. 3700–125–4700–150–5000
(Gross Rs. 9730/-)
2. Fellow/Scientist – SD : Rs. 3000–100–3500–125–4500
(Gross Rs. 8080/-)
3. Post Doctoral Fellow : Consolidated Stipend Rs. 4000/- per month +
Rs. 1000/- House Rent Subsidy.

Higher starting salary in the scale may be considered in exceptional cases.

Post nos. 1 and 2 are of regular nature and 3 is for one year tenure which may be extended for another term.

AGE LIMIT: 35 years in respect of Fellow/Scientist – SD and PDF. Relaxable by 5 years in case of SC/ST candidates.

The above norms are relaxable in highly exceptional cases. The Institute offers excellent career opportunities to creative, innovative and result-oriented staff. In addition to pay and allowances, perquisites like Contributory Provident Fund, Gratuity, Medical Facility under its Contributory Health Service Scheme, LTC, Group-Linked Insurance Scheme, Subsidised Transport and Canteen facilities are admissible as per Institute rules.

Out-station candidates called for interview will be paid first class. to and fro rail/ordinary class bus fare by shortest route in respect of Associate Professor – I, Fellow/Scientist – SD and second class rail/ordinary class bus fare by shortest route in respect of PDF on production of proof of journey such as Railway/Bus ticket or ticket no.

How to Apply: Typed application on plain paper strictly in the following format with one recent passport size photograph duly affixed on it along with copies of marksheets, certificates, testimonials, etc. should reach Prof. P. I. John, Institute for Plasma Research at the above address [FAX: 91-079-7864310 E-MAIL: JOHN @ PLASMA.ERNET.IN] within 20 (twenty) days from the date of publication of this advertisement. **The envelope should be strictly superscribed with Advt. No. and Post Applied for.**

APPLICATION FORMAT

1. Advertisement No., 2. Post Applied for, 3. Name (in block letters), 4. Date of Birth, 5. Place of Birth, 6. Age, 7. Marital Status, 8. Present Address, 9. Permanent Address, 10. Whether belongs to SC/ST if so, attach documentary evidence, 11. Qualifications [SSC onwards, indicating (a) exam. passed, (b) board/university, (c) subjects, (d) year of passing, (e) division, (f) percentage of marks obtained], 12. Experience [indicating (a) name of the organization, (b) nature of work in detail, (c) period, (d) scale of pay and total salary drawn], 13. References, 14. Any other relevant information, 15. Signature with date.

Candidates employed in Govt./Quasi Govt./Public Sector undertakings should forward their applications through proper channel. The Institute reserves the right to reject any application without assigning any reason. **Applications not in the above format are liable to be rejected.** No interim correspondence will be entertained.