



राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान  
NATIONAL INSTITUTE OF PHARMACEUTICAL  
EDUCATION AND RESEARCH (NIPER)

SECTOR 67, S.A.S. NAGAR (MOHALI), PUNJAB 160 062, INDIA

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The National Institute of Pharmaceutical Education & Research (NIPER) is an institute of national importance established by Govt of India at SAS Nagar, Punjab adjoining Chandigarh. The institute is having excellent facilities for advanced education and research in pharmaceutical sciences and technology and is looking for faculty of high calibre and potential, willing to face the challenge of building this institute into a centre of excellence. The focus is on master's, doctoral and postdoctoral programmes. The openings are for Professors (P), Associate Professors (Asso. P) and Assistant Professors (Asstt. P) in the grades Rs 18400-500-22400, Rs 16400-450-20000 and Rs 12000-420-18300, respectively.

Besides salary, the appointees will be eligible to all other allowances as per Central Govt Rules. The Institute encourages the faculty members to do consultancy work or work on sponsored projects. All appointments are contractual in nature for a period of 5 years which can be renewed depending upon performance and mutual consent. Retirement age is 62 years. The details of openings are as under:

**1. Medicinal Chemistry (P, Asso. P, Asstt. P)**

Strong background in design and synthesis of new organic molecules for various therapeutic areas that will interact with the novel molecular target/biological systems. Exposure to combinatorial chemistry is desirable.

**2. Natural Products (Asso. P, Asstt. P)**

Research experience in biosystematics related to taxonomy, anatomy and physiology of medicinal and aromatic plants. Research experience in transgenic morphogenetics for enhanced production of secondary metabolites and conversant with propagations. Exposure to HPLC, HPTLC, LCMS and modern analytical techniques desirable.

**3. Pharmaceutics (P, Asso. P, Asstt. P)**

Strong base in the development of new dosage forms designs and execution of pre-formulation and formulations using newer concepts. Background in new drug delivery system is desirable. Candidates having industrial experience will be preferred.

**4. Biotechnology (P, Asstt. P)**

Strong background in molecular biology. Competent in broad range of molecular and biochemical techniques. Experience in recombinant DNA technology, PCR, electrophoretic mobility shift assays and protein analysis.

**5. Pharmaceutical Technology (P, Asso. P, Asstt. P)**

For one post, candidates should have a Chemical Engineering degree with experience in developing technologies at pilot plant stage for Active Pharmaceutical Ingredients of synthetic, herbal or biotechnological origin.

For other posts, candidates should have experience in the development of various processes for the manufacture of pharmaceuticals and transfer of these processes to manufacturing facilities. The candidates should be conversant with newer developments in dosage form technologies. OR The candidates should be experienced in the design, development and optimization of new or existing routes to generic Active Pharmaceutical Ingredients. Experience in development of commonly employed unit processes in ecologically acceptable form and ability in creating expertise in different unit processes will be a desirable qualification.

**6. Pharmacology & Toxicology (Asso. P, Asstt. P)**

Experience in molecular and cellular approach in testing new chemical entities in different therapeutic areas. Development of new *in vitro* and *in vivo* animal models. Exposure to regulatory toxicology/histopathology and experience in interpretation of data from laboratory animal studies. Experience in pharmacokinetics and drug metabolism studies is desirable.

**7. Pharmaceutical Analysis (Asso. P, Asstt. P)**

Strong background in analytical techniques in pharmaceutical formulations using modern chromatography and spectroscopic techniques, application of HPLC, LC/MS and mass fragmentation analysis, validation of new analytical methods to support development activity, familiarity with GMP, GLP and FDA regulatory requirements. Experience in preparation of reference standards samples, synthesis and structural elucidation and establishing impurity profiles of bulk drug substances desirable.

**8. Pharmacy Practice (P, Asso. P, Asstt. P)**

Candidate should have a wide experience and inclination to work in the area of clinical/hospital pharmacy. The candidate should be able to build a strong centre engaged in teaching and research in this area.

**9. Pharmaceutical Management (P, Asso. P, Asstt. P)**

Candidate should have a basic degree in management with experience of applying various management principles to pharmaceutical industry. The candidates will be involved in teaching and research in the management courses.

**10. Pharmaceutical Education Development (P, Asso. P, Asstt. P)**

Candidate should be experienced pharmaceutical educationist with an urge for the design and conduct of curricula and continuing education programmes, development of didactic aids and teaching materials on modern lines and research in the methodology and technology of transmission of knowledge.

**11. Pharmaceutical Heritage (Asso. P)**

Candidate should be an established science historian capable of organizing this new department which will have focus on didactic and research in the history of medico-pharmaceutical field.

**Qualification & Experience**

**Professor:** Ph.D. with first class or equivalent at the preceding degree in the appropriate branch with a very good academic record throughout and a minimum of ten years experience out of which at least five years should be at the level of Assistant Professor/Associate Professor.

**Associate Professor:** Ph.D. with first class or equivalent at the preceding degree in the appropriate branch with a very good academic record throughout and a minimum of eight years experience out of which at least three years should be at the level of Assistant Professor or equivalent.

**Assistant Professor:** Ph.D. with first class or equivalent at the preceding degree in the appropriate branch with a very good academic record throughout and at least three years industrial/research/teaching experience.

Candidates having outstanding professional experience particularly in the areas of **Pharmacy Practice, Pharmaceutical Educational Development, Pharmaceutical Management and Pharmaceutical Technology** and those who have made significant contributions to knowledge but not having a Ph.D. degree may also be considered for appointment.

Mere fulfilment of qualification and experience requirement laid down does not entitle a candidate to be called for interview. Interested candidates may send their biodata along with names and addresses of three referees indicating time needed to join and Demand Draft of Rs 300 (drawn in favour of Director, NIPER and payable on any scheduled bank at Mohali/Chandigarh) as application fee (Rs 150 for SC/ST candidates) to the **Director, National Institute of Pharmaceutical Education & Research, Sector 67, Phase-X, Mohali Near Chandigarh (India) 160 062**, so as to reach within **30 days** in case of applicants in India and **45 days** in case of candidates abroad, from the date of publication of this advertisement. The post applied for and the discipline should be superscribed on the envelope.

DIRECTOR