



**भौतिकी विभाग**  
**मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद, इलाहाबाद – २११००४ भारत**  
Department of Physics  
Motilal Nehru National Institute of Technology Allahabad – 211004 INDIA

Advertisement No.-17/2017/Project Staff

Date: 10.02.2017

**Advertisement for the Post of JRF/SRF**

Applications are invited from Indian nationals for the post of **Junior Research Fellow (JRF)/Senior Research Fellow (SRF) [On Contract]** in research project entitled **“Development of ferrite-semiconductor composite hollow nanospheres based sensors for enhanced bio and gas sensing performances”** sanction order no. 03(1386)/16/EMR-II sponsored by Council of Scientific and Industrial Research (CSIR), New Delhi. The duly completed application on the formats [MNNIT Allahabad application form and CSIR Form “G”] along with copies of supporting documents must reach to: **Office of the Dean (Research & Consultancy), Motilal Nehru National Institute of Technology, Allahabad-211004** on or before **01/03/2017**. The envelope should be superscribed as **“Application for the post of JRF/SRF** in the Project “Development of ferrite-semiconductor composite hollow nanospheres based sensors for enhanced bio and gas sensing performances”. A soft copy of the application should also be sent to the email address of the Principal Investigator, Dr. Naresh Kumar at [nsisodia@mnnit.ac.in](mailto:nsisodia@mnnit.ac.in). The position is purely temporary and will be governed by the funding agency rules & service conditions of the office of the office of Dean (Research & Consultancy), MNNIT Allahabad.

- Number of position** : 01(one)  
**Qualifications** : For JRF- Possessing M.Sc. in Physics with 55% marks and passing of NET/GATE test.  
For SRF- Possessing M.Sc in Physics and at least 2 years of post-M.Sc. experience as evidence from published papers in standard refereed journals.  
**Fellowship** : **For JRF - ₹ 12,000/-** per month + HRA (as per rules) & **For SRF- ₹ 14,000/-** per month + HRA (as per rules)  
**Other Benefits** : Candidates having CPI 6.5 or 60 % in M.Sc. may be eligible to register for Ph.D. program of the Institute. Facility of yearly leave, carryover leave, medical benefits etc. may be available as per the applicable rules for project staff.  
**Age Limit** : Age Maximum 28 years for JRF and 32 years for SRF [Upper age limit is relaxable upto 5 years for SC/ST/OBC/Woman and Physically Handicapped Candidates]  
**Tenure of Appointment** : Appointment will be made on contract basis for a period of one year initially, which may be extended depending on the performance evaluation on yearly basis till the end of the project.

**Note:**

1. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
2. The Institute reserves the right to accept application at any time, and consider candidates of exceptional credentials without applications. Qualification and experience may be relaxed.
3. Mere, possessing the prescribed qualification does not ensure that the candidate would be called for interview.
4. Shortlisted candidates will be informed by e-mail about the interview date. So, the candidate must provide valid E mail IDs in their application
5. Shortlisted candidates have to present themselves for the interview on the interview dates with updated CV and original and attested photocopies of the mark sheets/certificates in support their academic qualifications.
6. Applications in employment (government or any other organization) are required to submit a “No Objection Certificate” from the employer at the time of interview.
7. No TA/DA will be paid for their appearing in the interview.

**Name of Principal investigator** : **Dr. Naresh Kumar**  
**Designation** : Assistant Professor  
**Department** : Physics



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Department of Physics  
Motilal Nehru National Institute of Technology Allahabad – 211004 INDIA

**For office use only**  
Application No.....

**APPLICATION FORM**

**Advt.No.....**

**Dated.....**

<b>Research Project Entitled-</b> "Development of ferrite-semiconductor composite hollow nanospheres based sensors for enhanced bio and gas sensing performances"		<b>Self Attested recent passport size Photograph</b>				
<b>Sanction letter &amp;Date-</b>	03(1386)/16/EMR-II					
<b>Funding Agency-</b>	Council of Scientific and Industrial Research (CSIR), New Delhi					
<b>Name of P.I. -</b>	Dr. Naresh Kumar, Assistant Professor.					
<b>Name of position-</b>	Junior Research Fellow (JRF) / Senior Research Fellow (SRF) [on contract]					
<b>Department/Section-</b>	Physics					
1.	Name of the Candidate (In Capital letter)					
2.	Sex (Male/Female)					
3.	Marital Status (Married/Unmarried)					
4.	Date of Birth					
5.	Age as on last date of application	_____ Years _____ Months _____ Days				
6.	Father's/Husband's Name					
7.	Present/Contact Address					
8.	Permanent Address					
9.	Mobile No					
10.	E-mail					
11.	Nationality					
12.	Category	Gen/SC/ST/OBC/PH _____ (enclosed attested copy of certificate) and women				
13.	GATE/NET	Valid _____ up to _____ Score/Rank				
14.	Educational Qualification					
	<b>Qualification</b>	<b>Subject/Discipline</b>	<b>Board/Institute/Univ.</b>	<b>Year</b>	<b>% of marks</b>	<b>Div.</b>
	10th or equivalent					
	12th or equivalent					
	Diploma, if any					
	B.Sc.					
	M.Sc.					
	M.Phil./M.E./M.Tech.* (if any)					

**\*Title of M.E/M.Tech Thesis:.....**

15	Details of Experience in chronological order. Enclose a separate sheet duly authenticated under your signature if necessary						
Organization	Position	Salary/Emoluments	Nature of Duties	Nature of appointment	Period of Experience		
					Year	Month	Days
16	Research Publications (Attach list):-			Numbers			
	SCI Journals						
	Non SCI Journals						
	International Conference/Seminar/ Symposium Proceeding						
	National Conference/Seminar /Symposium Proceeding						
17	Any other information	(i) Computer proficiency including knowledge of computer programming languages. (ii) Exposure to commercial/in-house CFD software. (iii) Exposure to conduct experiments in air-flow. (iv) Exposure to use Hot-wire Anemometry/Flow measuring instruments: (v) Written and oral communication. (Rate yourself in a scale of 1 to 5 where 1 means 'poor' and 5 means 'excellent' in the above five categories. You may also write/attach documents in support of your claims)					
18	Indicated whether you propose to register for higher degree* at MNNIT, Allahabad. Yes/No (Name of higher degree is Ph.D.)						

**Note:-** \*Those candidates who wish to be admitted as student for higher degree (Ph.D.) must fulfill at least the minimum eligibility for the respective admission as available on the Institute website.

### DECLARATION

I hereby declare that all the statements made in this application are true and complete and nothing has been concealed/ distorted. I am aware that, if at any time I am found to have concealed/distorted any material information, my engagement is liable to be summarily terminated without notice.

Place:  
Applicant  
Date:

Signature of the

**Enclosure-** Self attested copy of the following documents

1. Proof of Date of Birth
2. Mark sheets & certificates of all the examination passed
3. Category Certificate, if applicable
4. GATE score card, if passed.
5. Experience certificate, if any.



FORM-G

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH  
Human Resource Development Group  
(Extra Mural Research Division)  
CSIR Complex, Library Avenue, Pusa, New Delhi – 110012

**APPLICATION FORM FOR JUNIOR/SENIOR RESEARCH FELLOWSHIPS (JRF/SRF) UNDER CSIR RESEARCH SCHEME**

1. Title of the scheme: **Development of ferrite-semiconductor composite hollow nanospheres based sensors for enhanced bio and gas sensing performances**
2. Principal Investigator's name, designation and place of work: **Dr. Naresh Kumar, Assistant Professor  
Physics Department  
Motilal Nehru National Institute of  
Technology Allahabad - 211004 INDIA**
3. Sanction number of the scheme and duration: **03(1386)/16/EMR-II and 03 years**
4. Full name of Applicant in block letters (surname is to be under-lined):
5. Present address:
6. Permanent address:
7. Whether belonging to SC/ST/OBC? Yes/No (If yes, the name of Caste/Tribe may be mentioned and certificate enclosed):
8. Date of birth:
9. Nationality:
10. Father's/Husband's name:
11. Educational qualifications (bachelor degree onwards):
  - a) Degree/Diploma
  - b) University/Institute
  - c) Subject(s)
  - d) Year of passing
  - e) Division/Grade
  - f) Marks Percent
12. Are you registered for a higher degree? Yes/No
  - (a) If 'yes' please indicate
    - (i) Title of the degree
    - (ii) University
    - (iii) Date of registration
  - (b) If 'no' please indicate whether you propose to register for a higher degree? Yes/No

13. Have you any research/teaching experience? Yes/No  
If yes, give details about the institution, duration of work, emoluments and work done
14. Have you been a recipient of a research fellowship before? Yes/No  
If 'yes', please give details of the dates, and amount of award, duration and names of the concerned Scheme, Principal Investigator, Institution and Supporting Agency.
15. Publications (attach reprints of published work and copies of papers communicated and give list of published papers in terms of name(s) of author(s), title, journal, year and volume and page numbers):

16. DECLARATION

I am willing to work as a Junior/Senior Research Fellow (JRF/SRF) in the research scheme entitled **Development of ferrite-semiconductor composite hollow nanospheres based sensors for enhanced bio and gas sensing performances [03(1386)/16/EMR-II]**

If the Fellowship is awarded to me, I undertake to engage myself whole time for research under the guidance of the Principal Investigator of the scheme. I have read 'Terms and Conditions of CSIR Research Grants' and accept and agree to abide by these. I have noted that the Fellowship is co-terminus with the Scheme.

I certify that, to the best of my knowledge and belief, the particulars given in this application are correct.

Signature of the Candidate

Date:

..... **For Office Use Only**  
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17. ATTESTATIONS (by the PI and Head of the Institution):

I certify that the information given by the applicant, including that in Columns 8 and 11 is correct. On the advice of the duly appointed Selection Committee the candidate is recommended for the award of a Junior/Senior Research Fellowship for the duration of the Scheme from

\_\_\_\_\_.

Date:

Signature, Name and Designation  
of the Principal Investigator

Necessary facilities will be provided to the Research Fellow for work on the above problem for the duration of the scheme.

Date:

Signature and Name of the Head  
of the Institution with seal