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# College of Commerce, Arts & Science

Kankarbagh, Patna – 800 020  
(A Constituent Unit of Patliputra University, Patna)  
NAAC RE-ACCREDITED 'A' Grade, with CGPA 3.10

Advt. No: COCAS/CRG/2023/02

Date: 28.11.2023

## Advertisement for Junior Research Fellow (JRF) Position

Applications are invited from motivated and eligible Indian citizens for the position of Junior Research Fellow(JRF) in a sponsored research project of SERB-DST, Govt. of India at the Department of Physics, College of Commerce, Arts & Science, Patna, India with the details mentioned below.

### Project Details:

Title of the Project	Development of porous $\text{Co}_3\text{O}_4$ / $\text{NiCo}_2\text{O}_4$ nanostructured thin film for high performance supercapacitor electrode
File No.	CRG/2022/ 005085
Sponsoring Agency	<b>Science and Engineering Research Board (SERB) - DST, Govt. of India.</b>
Name of the Post	Junior Research Fellowship (JRF)
Vacancy	One (01) Post
Duration	Upto 19.01.2026 ( Upto Project Completion Date)
Principal Investigator	<b>Dr. Ayan Mukherjee</b> , Assistant Professor, Department of Physics, College of Commerce, Arts & Science, Patna -800020, India

### Other Details:

Essential Qualifications	Master's degree or equivalent with minimum 55% in Physics/Applied Physics/Electronics or any relevant subject with CSIR/UGC-NET or GATE score or equivalent examinations (As per SERB-DST norms).
Desirable	Knowledge in material synthesis. The candidate should be able to travel across various Institutes/Research Centres for the project related work whenever needed.
Age Limit and Relaxation	Not more than 28 Years as on closing date of advertisement. Relaxation as per SERB-DST, Govt. of India norms
Fellowship	Rs.31,000 /- per month for first 02 years and Rs. 35,000/- per month for remaining period, plus HRA as per norms.



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Important Instructions	<ul style="list-style-type: none"><li>• Shortlisted candidates will be intimated via E-mail/phone for interview. So candidates must provide working email id/ phone number at application form. <b>Candidates are advised to check their Email regularly.</b> Incomplete application will not be accepted.</li><li>• All original testimonials would be required to produce for verification purpose at the time of interview. Self-attested photocopies of these documents are to be submitted along with application form (in hard copy) on the day of interview.</li></ul>
How to Apply	Interested candidates must send soft copy of their application as per attached format and self-attested necessary documents (in a single pdf file), mentioning subject as “ <b>Application for JRF under SERB-DST CRG</b> ” through email to the Principal Investigator, <b>Dr. Ayan Mukherjee</b> at <a href="mailto:ayan@cocaspatna.ac.in">ayan@cocaspatna.ac.in</a>
Last date for submission	<b>09<sup>th</sup> December, 2023</b>

## GENERAL INFORMATION / DETAILS ABOUT THE POST

1. Appointment is purely temporary and it is co-terminus with the project.
2. The appointed person shall have no claim of appointment / absorption in Funding Agency or Institute.
3. Appointment of the applicant will be governed by the terms and conditions of the funding agency/ Institution particularly applicable to the said project. The performance of the JRF will be evaluated each year and will be continued further after satisfactory performance.
4. The qualification prescribed should have been obtained from recognized Universities / Institutions.
5. Relaxation regarding essential educational qualifications, age limit, etc. will be as per DST-SERB, Govt. of India norms.
6. No TA/DA will be admissible for appearing for the interview.
7. Institute reserves the right to cancel the recruitment without assigning any reason.
8. Selected candidates will have to join duty immediately on receipt of the offer. No objection certificate to be furnished by the candidate who is already in employment on regular/temporary basic before joining the post.

For any query the candidates may communicate directly to the PI of the project,  
**Dr. Ayan Mukherjee**, Assistant Professor, Department of Physics, College of Commerce,  
Arts & Science, Patna -800020, India via e-mail: [ayan@cocaspatna.ac.in](mailto:ayan@cocaspatna.ac.in)



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Title: Development of porous  $\text{Co}_3\text{O}_4$  /  $\text{NiCo}_2\text{O}_4$  nanostructured thin film for high performance supercapacitor electrode (File No.: CRG/2022/005085)

## Application Form for Junior Research Fellow (JRF) in SERB-DST Sponsored Project

1. Name (In Capital Letter):

2. Gender:

3. Father/Spouse's Name:

4. Mother Name:

5. Address:

(i) Communication address

(ii) Permanent address:

Affix  
recent  
passport  
size  
photograph

6. Email id:

7. Phone No:

8. Date of birth:

9. Marital status:

10. Nationality:

11. Religion:

12. Language Known:

13. Category (GEN/SC/ST/OBC) (Attach document):

14. Disability (if Any) (Attach document):

15. Details of Universities/Institutions attended (from 12<sup>th</sup> Standard onwards)

(Attested copies of certificates and mark sheets/grade cards must be attached)

Degree obtained	University/College/Board	Year	Subject/s	% Marks/CGPA/CPI	Class (if any)

16. Professional Qualifying Examination Passed: GATE/NET/Equivalent:

(Attested copy of certificate must be attached)

Name of Examination	Subject	Rank /Marks /Score/Percentile	Qualifying date/year	Valid upto

17. Professional Experience (Teaching/Research/Industrial), if any (proof to be attached).

Name of organization	Position	Type of work	Period	
			From	To

18. List of enclosures:

19. Declaration

“I hereby declare that the entries in this form are true to the best of my knowledge and belief. I understand that my candidature will be cancelled if any of the information is found to be false or incorrect. Further, if selected, I will abide by the rules and regulations of the funding agency / Institute from time to time”

Place:

Signature of the applicant

Date:

**FOR OFFICE USE**

From the copies of certificates in support of the above particulars, it is certified that the applicant is **eligible/not-eligible\*** for further consideration by the Screening Committee.

**Signature of the officer in charge**

*\*Give reasons.....*