



CENTRE FOR NANO AND SOFT MATTER SCIENCES

P. B. No.1329, Prof. U. R. Rao Road, Jalahalli, Bengaluru - 560 013

Ph: (080) 2308 4200, Fax: (080) 2838 2044, website: www.cens.res.in

ADMISSION TO Ph.D. PROGRAMME - Year: 20_____

INSTRUCTIONS

While filling the application form, please keep the following points in view:

1. Complete the **Application Form** and **Career Sheet**. Mail it to the address mentioned below or email it to phdadmission@cens.res.in,

PhD Admission
Centre for Nano and Soft Matter Sciences (CeNS)
P. B. No.1329, Prof. U. R. Rao Road
Jalahalli, Bengaluru - 560 013

Incomplete applications will be rejected.

2. Indicate **areas of interest** from the following:

Areas of research

- ❖ Carbon Nanomaterials: Turbostratic graphene, Graphene oxide based inorganic core-shell materials
- ❖ Nanoporous organic inorganic hybrids
- ❖ Morphology controlled metal nanocrystallites
- ❖ Textured nanocrystalline oxide films for light trapping
- ❖ Soft hybrid nanomaterials and devices: Influence of metal nanostructures on liquid crystals, Metal nanoparticles functionalized with liquid crystals, Semiconductor quantum dot – liquid crystal nanocomposites, Triboelectric responsive materials, Soft optical metamaterials, Nanostructured anisotropic organogels, Flexible thermal and photo actuators, Non close packed colloidal assemblies
- ❖ Synthesis and applications of metal and non-metal nanoparticles, ITO free transparent conducting electrodes, device fabrication
- ❖ Liquid crystalline materials: Synthesis and characterization, photo-induced effects, high pressure studies, electrical, magnetic and mechanical properties
- ❖ Nanolithography, Soft lithography
- ❖ Nanoscale electrical conductivity of Langmuir-Blodgett films, Fractal structures in Langmuir monolayers, Spreading and retraction dynamics of liquid drops

3. **Recommendations** – You should arrange for two letters of recommendations by the referees who are familiar with your academic abilities and who can objectively assess your suitability for a research programme. This should be sent by the referees directly to us. Please enter the names of these two referees in the application form.

Suitable referees are:

- The Head of a Department or a Professor, or a Lecturer who has recently taught you
OR
- An academic/technical person with whom you have carried out a scientific / technical project or with whom you have interacted scientifically for a significant length of time.

4. You should enclose photocopies of marks / grade sheets, degree / provisional certificates, CSIR-UGC NET (JRF only)/INSPIRE/GATE/JEST testimonials and other supporting documents.



CENTRE FOR NANO AND SOFT MATTER SCIENCES

Jalahalli, Bengaluru - 560 013

**ADMISSION TO PhD PROGRAMME – Year: 20____
APPLICATION FORM**

**TYPE OR WRITE IN
BLOCK LETTERS**

Affix a recent
passport size
photograph

Mr. / Ms.

Address :
.....
.....
.....

E-mail :

Phone:

Mobile :

1. EDUCATIONAL QUALIFICATIONS (in brief)

Highest Examination :
(Passed / appearing)

Branch / Specialization if any :

College / University :

Year & Month of completion :
(Passed / appeared / will appear)

Class / Grade / Division / Rank :

Marks (%) :

2. AREAS OF INTEREST:
.....

**3. Have you applied for Ph.D. programme before at
this Centre? : YES / NO**
If yes, give details :

**4. Indicate the qualified exam(s) listed below / INSPIRE
Fellowship**

CSIR-UGC NET (JRF only) :

GATE :

JEST:

INSPIRE:

Score / Marks obtained.....

Year of Passing

5. DATE AND PLACE OF BIRTH

 Date Month Year

 Place State Nationality

**6. Do you belong to SC / ST /
OBC / General / Any other**
.....

7. ARE YOU EMPLOYED? YES NO

(If yes, give your designation and address of the
employer)

8. Marital Status

9. NAMES OF THE REFEREES:

(i)

(ii)

DECLARATION : I hereby declare that all the information furnished above is true to the best of my knowledge and belief. If admitted, I shall obey all the rules and regulations of the Centre.

Date :
Place:
Signature of the Candidate

Application No.:

FOR OFFICE USE:

CAREER SHEET (in detail)

NAME :

Examination	Year of Passing	University or Institution	Subjects Taken	Marks or credit points		Percentage or grade
				Actually obtained	Maximum obtainable	
SSLC / Equivalent						
PUC / HSC / equivalent						
I Year						
II Year						
B. Sc. In						
.....						
I Semester						
II Semester						
III Semester						
IV Semester						
V Semester						
VI Semester						
M.Sc in						

.....						
I Semester						
II Semester						
III Semester						
IV Semester						

ADDITIONAL QUALIFICATIONS : M. Tech. details (if any), Special achievements/qualifications/capabilities, projects carried out, practical experience, research experience and papers published, etc. You may attach additional sheets if necessary.