

Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)

(An Autonomous Institution under Dept. of Science & Technology, Govt. of India and
an Institution Deemed to be University)



जवाहरलाल नेहरू उन्नत वैज्ञानिक अनुसंधान केंद्र (ज.ने.उ.वै.अ.के.)

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार के अधीन एक स्वायत्त संस्था तथा सम विश्वविद्यालय संस्था)

जक्कूर परिसर, बेंगलूरु - 560 064, भारत / Jakkur Post, Bengaluru - 560 064, INDIA

MID-YEAR RESEARCH ADMISSIONS 2022-23

Guidelines for Candidates:

Applications are invited from eligible applicants for admissions to Research Programmes [(Ph.D. / MS(Engg.) / MS(Research)] programmes offered by Chemistry and Physics of Materials Unit, Molecular Biology and Genetics Unit, New Chemistry Unit, Neuroscience Unit and Theoretical Sciences Unit.

Applicants possessing the educational qualifications including those in the final semester/year of their qualifying examinations but expect to complete all the requirements for award of the degree (like examinations, project dissertations, viva-voce etc.) by 30.12.2022 and can furnish necessary certificates on 02 January 2023 are eligible to apply.

RESEARCH PROGRAMMES [Ph.D. / M.S(Engg.) / M.S(Research)]

A) Eligibility

Candidates with an M Sc. or equivalent, B.E/B.Tech/B.S (4 year) or equivalent or M.E/M.Tech or equivalent or MBBS/MD as applicable to individual Units as given in the table below are eligible to apply. They should have at least 55% in their highest University examination and should also have qualified in any one of the national exams: GATE/JEST/GPAT/UGC-JRF/CSIR-JRF/ICMR-JRF/DBT-JRF/INSPIRE-JRF. The award certificate of such test should have the validity period for seeking admission to research programme as on 2nd January 2023. Qualifying in the national exam is desirable for ME/M.Tech or equivalent degree holders.

| Sl No. | Unit | Eligible Education qualifications | Qualifying in any one of the national entrance tests |
|--------|---|---|--|
| 1. | Chemistry and Physics of Materials Unit | 1. Master's Degree in Science or equivalent in Electronics, Chemical/Mathematical/Physical/ Materials Science. | Valid GATE /JEST score / CSIR-JRF/UGC-JRF/DBT- JRF/ICMR-JRF / INSPIRE |
| | | 2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science or equivalent in Electrical/Electronics/Metallurgy/Polymer/ Engineering Physics/Nano Technology/Chemical. | |
| | | 3. Master's Degree in Engineering/Technology or equivalent in Electrical/Electronics/Metallurgy/Polymer/Engineering Physics/Nano Technology/Chemical | Qualifying in one of the national exams mentioned above is desirable |
| 2. | Molecular Biology and Genetics Unit | 1. Master's Degree in Science or equivalent in Bioinformatics, Biotechnology, Chemical/ Biological/Life Sciences. | Valid GATE /JEST score / CSIR-JRF/UGC- JRF/DBT- JRF/ICMR-JRF / INSPIRE |
| | | 2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science or equivalent in Biotechnology, Bioinformatics, or any Biology related area. | |
| | | 3. MBBS /M.D. | |
| | | Master's Degree in Engineering/Technology or equivalent in Biotechnology, Bioinformatics, or any Biology related area. | Qualifying in one of the national exams mentioned above is desirable |

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| 3. | New Chemistry Unit | 1. Master's Degree in Chemistry. 2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science (preferred with Chemistry as a major subject). | Valid GATE /JEST score/ CSIR-JRF/UGC-JRF/DBT-JRF/ICMR-JRF/INSPIRE |
| 4. | Neuroscience Unit | 1. Master's Degree in Science or equivalent in Bioinformatics, Biotechnology, Biological/Life Sciences/Pharmacy. 2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science or equivalent in Biotechnology, Bioinformatics, or any Biology related area. 3. MBBS /M.D. 4. Master's / Bachelor's Degree in non-Biology area with demonstrated interest in Neuroscience can also apply | Valid GATE /JEST/GPAT score / CSIR-JRF/UGC- JRF/DBT- JRF/ICMR- JRF / INSPIRE |
| | | Master's Degree in Engineering/Technology or equivalent in Biotechnology, Bioinformatics, or any Biology related area. | Qualifying in one of the national exams mentioned above is desirable |
| 5. | Theoretical Sciences Unit | 1. Master's Degree in Science or equivalent in Electronics, Chemical/Mathematical/Physical/Materials Sciences. 2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science or equivalent in Aerospace/ Engineering Physics/ Electrical/Electronics/Metallurgy/Chemical/Mechanical Sciences. | Valid GATE /JEST score / CSIR-JRF/UGC- JRF/DBT- JRF/ICMR- JRF / INSPIRE |
| | | 3. Master's Degree in Engineering/Technology or equivalent in Aerospace / Engineering Physics/ Electrical/Electronics/Metallurgy/Chemical/Mechanical Sciences. | Qualifying in one of the national exams mentioned above is desirable |

B) Selection procedure

Candidates are short-listed for an interview based on their performance in the national entrance test and academic performance. The selection is based on the performance in the interview.

Note: Interviews will be held only offline. If there's any change, it will be notified on the admissions website.

HOW TO APPLY

Applications for all the programmes mentioned above are available online (**only online applications will be considered**).

APPLICATION FEE

The application fee is Rs.500/- be paid through Demand Draft. The DD should be in favor of Jawaharlal Nehru Centre for Advanced Scientific Research, payable at Bangalore. Any bank service charges must be borne by the applicant. The application fee is non-refundable

IMPORTANT DATES

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| Website opens for on-line submission of applications | 19.10.2022 |
| Last date for submission of online applications (website closes at 23:59 hours on 14.11.2022) | 14.11.2022 |

Scholarships: All the regular students joining JNCASR are eligible for a scholarship from JNCASR/ CSIR / UGC/ ICMR / DBT /INSPIRE depending upon their mode of entry.

The applicants are advised to visit the website **<http://www.jncasr.ac.in/admission/degree-programmes>** for details regarding degree programs and the areas of research carried out in the research units offering admissions.

Admission portal for online submission of applications can be accessed at the following link
<https://www.jncasr.ac.in/admission/admissions>

SC/ST/PwD/EWS/Minorities/Women candidates are encouraged to apply.

ACADEMIC COORDINATOR