



## NATIONAL INSTITUTE OF ADVANCED STUDIES

Indian Institute of Science Campus, Bengaluru 560 012  
Tel.: 080-2218 5000, Fax: 080-2218 5028, URL: [www.nias.res.in](http://www.nias.res.in)

### Doctoral Programme

The National Institute of Advanced Studies (NIAS) is a unique Indian institution conducting multidisciplinary research in areas that bridge the gap between the natural and engineering sciences, social sciences, humanities and the arts. A limited number of research scholarships are available in the Institute for bright and committed postgraduate students interested in pursuing independent research across disciplines towards a doctoral degree. We also consider candidates who have passed the NET/SET examinations or qualified for JRF/DST/CSIR/ICSSR/JEST fellowships.

While NIAS is recognized as a centre for research by many universities, we are not a degree-granting institution. Students work at NIAS for their Ph.D. while they register with Manipal University or the University of Mysore. The rules and regulations of these universities are available on their websites.

We are admitting exceptional students interested in multidisciplinary research in the areas represented by faculty research and interests at NIAS in the following areas for the academic year 2016–2017:

- Archaeomaterials, Archaeometallurgy or Archaeological Sciences for Heritage Studies
- Geo-spatial Analysis for Cultural Heritage
- Art History and Crafts History
- Technological Consciousness-inspired Artificial Intelligence
- Information and Complexity Theory of Consciousness
- Internal Security and Conflict Studies
- Radical Extremism and Security
- International Relations and Security
- Science, Technology and Security
- Armed Conflicts, Peace Processes and Regional Security
- Integrated Modeling for Energy and Climate Studies
- Nuclear Energy Policy; Nuclear Risk Perception and Communication
- Sustainable Energy Options; Human Development and Policy
- Social Cognition and Decision making in Animals and Humans
- Science Communication
- Demography, Behavioural Ecology and Theoretical Analyses of Primate Populations and Societies
- Prosimian Behavior and Biology; Animal Studies; Human-Wildlife Conflict
- Gifted Education
- Education and Exclusion
- Women in Science and Engineering
- Migration including Refugees, Terrorism, Climate Change and Security
- Economic Inequality and Social Development
- Physics of Complex Systems and Dynamical Systems Theory

Applicants are advised to visit the NIAS website for more information on faculty and their research interests ([www.nias.res.in](http://www.nias.res.in)).

#### Eligibility

The Institute scholarships are open to those who have completed/are completing a Master's/M.Phil. degree in any relevant subject in the natural sciences, engineering, mathematics, social sciences, humanities or the arts, and with a consistently proven academic record (minimum 55% marks). Some research and/or field experience in the concerned areas will be preferred. Candidates who have passed the NET/SET examinations or qualified for JRF/DST/CSIR/ICSSR/JEST fellowships are also encouraged to apply.

(Contd)

(Contd)

### Fellowship

Candidates admitted to the NIAS Doctoral Programme will be entitled to fellowships, which will be available for a period of four years on a yearly renewable basis. The fellowship amount is currently fixed at Rs 25,000 per month for the first two years and Rs 28,000 per month from the third year, with an additional 30% per month as House Rent Allowance. Limited hostel seats are available on campus for women.

### How to apply

Please download the application form (<http://www.nias.res.in/content/doctoral-programme>) from our website. The completed and signed application form should be sent along with scanned copies of undergraduate and post-graduate degree certificates and mark sheets and a resume containing your academic history, skills, interests, published work, and accomplishments should be collated and sent as a single PDF file to the e-mail address: [niasphd@gmail.com](mailto:niasphd@gmail.com). Please note that the Institute will accept only applications submitted by e-mail.

The deadline for receiving application with all required documents by e-mail is **20 April 2016**.

### Selection procedure

Short-listed candidates will be invited for a written test and interviews on 27 and 28 June 2016. A written examination comprising multiple choice type questions in quantitative, logical reasoning, analytical, and vocabulary skills, and a short essay to assess proficiency in English language skills will be first conducted to shortlist the candidates for two interviews, a subject specific interview and a comprehensive interview.

For additional information, applicants may contact: [jnsandhya@gmail.com](mailto:jnsandhya@gmail.com); [admin@nias.iisc.ernet.in](mailto:admin@nias.iisc.ernet.in).

## CENTRE FOR ENVIRONMENTAL MANAGEMENT OF DEGRADED ECOSYSTEMS (CEMDE)

University of Delhi, Delhi 110 007

Applications are invited for the position of Junior Research Fellow (JRF) and Research Associate (RA) under Department of Biotechnology (DBT) sponsored Research Project, 'Invasion ecology of *Prosopis juliflora* in contexts of biodiversity and conservation'.

### Positions

- (1) **One Research Associate (RA)** (Rs 36,000 p.m. + 30% HRA)  
**Essential qualification:** Ph.D. in Plant Sciences/Plant Molecular Biology/Genetics/Biotechnology or related area with strong experience in area of plant molecular biology.  
**Desirable qualification:** Experience in techniques of plant molecular biology and biochemistry will be preferred. At least one research paper in *Science Citation Indexed (SCI)* journal.
  - (2) **One Junior Research Fellow (JRF)** Number of post is one (1st and 2nd year, Rs 25,000 p.m. + 30% HRA; 3rd year, Rs 28,000 p.m. + 30% HRA)  
**Essential qualification:** M.Sc. in Botany/Environmental Sciences/Studies with minimum 55% marks.  
**Desirable qualification:** Candidate should have knowledge of community ecology/soil ecology/biological invasions. National Eligibility Test (LS or JRF) conducted by CSIR or UGC.
- Duration of project:** Until the tenure of the project (June 2018; purely temporary).

Interested candidates may apply to **Prof. Inderjit Singh**, Principal Investigator DBT Project, Centre for Environmental Management of Degraded Ecosystems (CEMDE), University of Delhi, Delhi 110 007 **within 25 days** of release of this advertisement. Application on plain paper should include bio-data, two letters of reference, attested photocopies of certificates and one page write-up on relevant research interests.

**Note:** The short-listed candidates will be contacted via e-mail for the interview. No TA/DA will be paid to candidates called for the interview.