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DEPARTMENT OF BIOTECHNOLOGY
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
Prayagraj-211 004 (India)

Advertisement No- 1089/R&C /2022-23/Project Staff   **Dated**- 15-03-2023

Advertisement for the Post of Junior Research Fellow (On Contract)

Applications are invited from Indian nationals for the post of **Junior Research Fellow (JRF) (on contract)** in research project entitled **"Phenotypic characterization and gene mapping of novel early rice flowering mutants during the floral transition, and seed formation**" File No. CRG/2021/001019 dated 27-12-2021 sponsored by DST - Science and Engineering Research Board (SERB), Gov. of India, New Delhi.

The duly completed application on prescribed format along with copies of supporting documents must reach   to, **The Dean** (**Research & Consultancy), Motilal Nehru National Institute of Technology, Allahabad, Prayagraj-211004 (U.P.) India** on or before 31 /03/2023. The envelope should be super scribed as "**Application for the post of Junior Research Fellow (JRF) (on contract)** in the Project **"Phenotypic characterization and gene mapping of novel early rice flowering mutants during the floral transition, and seed formation".** A soft copy of the application should also be sent to **nksingh@mnnit.ac.in,** **singhnand@gmail.com** email address of **Dr. Nand Kumar Singh.**

Description and Objectives of the Project: The project is aimed at phenotypic characterization and gene mapping of novel early flowering and seed characters in basmati rice. This project focused on the   understanding about the molecular mechanism flowering, floral transition and seed formation in Basmati rice. The main objective of proposed project is to Genetic analysis of early flowering rice mutants, Detailed phenotypic characterization of mutants during reproductive phase and Whole Genome Sequencing based association mapping.

The position is purely temporary and will be governed by the funding agency rules & service conditions of Office of the Dean (Research & Consultancy), **Motilal Nehru National Institute of Technology, Allahabad, Prayagraj-211004 (U.P.) India**

Number of Position   :   1 (One)

Essential Qualifications :   M.Tech (withCPI 6.5 or 60% marks) and   M.Sc(CPI 8.0 or 75% marks) in Biotechnology, Molecular Biology, Biochemistry, Agriculture Biotechnology, Microbiology, Life Sciences, Bioinformatics, Food Technology, Genetic Engineering, Botany, Genetics and Plant Breeding, Plant Pathology, Seed Science and Technology, Genetic Engineering , and any other related disciplines with **GATE/NET qualified**

Desirable Experience   :   Research experience in Plant biotechnology, genetics, plant & breeding, Plant physiology and Plant Molecular biology and   any other related disciplines **with GATE /NET qualified**

Fellowship   :   **Rs. 31,000.00** per month (Consolidated) + HRA @16%

Other Benefits   :   Accommodation may be available as per the availability and the Institute norms. Candidate selected for the JRF may register for Ph.D. if eligibility conditions as set by institute (CPI 6.5 or 60% marks in M. Tech. and CPI 8.0 or 75% marks in M.Sc .) is met by him/her. Facility of yearly leave, medical benefits etc. may be available as per applicable rules of the project staff.

Age Limit   :   28 years on the last date of application (The upper age limit is relaxable up to 5 years in the case of   candidates belonging to SC/ST/OBC/PH and women   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

Tenure of Appointment   :   Appointment will be made on contract **basis for extended period of the project**, which may be extended depending on the performance evaluation.

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 by the Institute at any point of time for otherwise exceptional candidates.

3. Mere, possessing the prescribed qualification does not ensure that the candidate would be called for Interview. The Candidates will be shortlisted on the basis of merit and need of the project.

4. Shortlisted Candidates will be informed by e-mail about the interview date. So, the candidate must provide valid e- mail IDs in their applications.

5. Shortlisted candidates have to present themselves for the interview on the interview date with updated CV and original and attested photocopies of mark sheets/ certificates in support of their academic qualifications. **Due to COVID-19 the mode of interview will be informed to the shortlisted candidates via the email id provided in the application form**.

6. Applicants in employment (private, 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 appearing in the interview.

Name of Project Investigator(PI)   :   **Dr. Nand Kumar Singh**
Designation   :   Associate Professor
Department   :   Biotechnology

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OFFICE OF THE DEAN (RESEARCH AND CONSULTANCY)
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY
Allahabad – 211 004 (India)
Website: http://www.mnnit.ac.in

<u>**For office use only**</u>
Application No…………….

<u>**APPLICATION FORM**</u>

<u>**Advt.No**</u>………………..…   **Dated**…………………

Research Project Entitled- Phenotypic characterization and gene mapping of novel early rice flowering mutants during the floral transition, and seed formation		**Self Attested recent passport size Photograph**
Sanction letter &Date- File No.CRG/2021/001019/ Dated: 27-Dec-2021		
Funding Agency- DST SERB,Gov. Of India New Delhi		
Name of P.I. - Dr. Nand Kumar Singh		
Name of position- Junior Research Fellow (JRF) (on contract)		
Department/Section- Biotechnology		

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	PresentContact Address	
8	Permanent Address	
9	Mobile No	
10	E-mail	
11	Nationality	
12	Category	Gen/SC/ST/OBC/PH _____(enclosed attested copy of certificate)
13	NET/GATE	Valid up to_____Score/Rank_____
14	Educational Qualification	

Qualification	Subject/Discipline	Board/Institute/Univ.	Year	% of marks	Div.
10th					
12th					
Graduation					
Post Graduation					
Other					

*Title of P.G. 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 Days**		**Month**

16	Research Publications (Attach list):- if any	Numbers	
i) Research Publications			
ii) International/ Conference/Seminar ./ Symposium Proceeding			
iii) National Conference/Seminar ./Symposium Proceeding			
iv) An attached write-up of understanding about objectives this project in ~ 300 words)			

17	Have you demonstrated the Phenotypic characterization and gene mapping in rice. Have you execute the molecular mechanism floral transition and seed formation under heading genetic analysis of flowering gens in rice mutants, phenotypic characterization during reproductive phase and, whole Genome Sequencing based association mapping.	

18	Any other information	

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: Signature of the Applicant
Date:

Enclosure-Self attested copy of documents
1. Proof of Date of Birth
2. Mark sheets & certificates of all the examination passed
3. Category Certificate, if applicable
4. NET/GATE score card, if passed
5. Experience support, if any