



National Agri-Food Biotechnology Institute (NABI)
(Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India)
Sector-81, Knowledge City, Manauli P.O, S.A.S. Nagar-140306, Punjab, India.
Website: www.nabi.res.in

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Temporary Positions of Research Associates, Senior Research Fellow & Junior Research Fellows

National Agri-Food Biotechnology Institute (NABI) is an autonomous Institute under Department of Biotechnology, Government of India. NABI aims at catalysing the transformation of Agri-food sector in India by being a nodal organization for knowledge generation and translational science leading to value-added products based on Agri-Food biotech innovations for improved household nutritional security. Since its inception in 2010, NABI is involved in research activities for the Bio fortification, development of designer crops for improved nutrition, providing sustainable and novel solutions towards quality food and nutrition, and development of evidence based functional foods to counter malnutrition. Food and nutritional Biotechnology division at **NABI requires following research personnel purely on temporary basis.**

1. Research Associate for Improvement of nutritional and processing quality in Wheat (01 Position)

Job Profile:-

1. RA will be responsible for nutritional enhancement of wheat by Bio fortification based strategies.
2. RA will be responsible for biochemical and agronomic studies on colored wheat.
3. RA will be responsible for outreach activities and public awareness generation.

Essential Qualifications:- PhD/MD/MS/MDS or equivalent degree in Life Sciences or having 3 years of research, teaching and design and development experience after MVSc/ M.Pharm/ME/M.Tech with at least one research paper in Science Citation Index (SCI) journal. (Eligibility criteria as DST OM No.SR/S9/Z-09/2012 dated 21.10.2014).

Desirable qualifications:- Research experience in plant breeding, crop, storage and extension activities or proximate analysis of food products. Experience in outreach activities.

Emoluments:- The RA will be hired as per the emoluments' guidelines and service conditions notified by DST (DST OM No.SR/S9/Z-09/2012 dated 21.10.2014).

Age Limit:- The age limit of applicants for RA will be 40 years (Relaxation is admissible in case of SC/ST/OBC/women as per government of India instructions).

Project Investigator:- Dr. Monika Garg, Scientist-E.

Duration for RA position: - The appointment will be initially for a period of one year. Further extension from 01st Year to 2nd Year will be subject to submission of progress report submitted by selected candidate and satisfactory assessment remarks given by the reporting officer.

*** FOR RA Candidates who have submitted Ph.D. thesis and are waiting for viva voce may also apply (For such candidates, fellowship amount will be that of an SRF until he/she submit completion of PhD certificate.**

2. **Project Title:** Characterization of rice genes for their involvement for their involvement in system acquired resistance.

Principle Investigator: Dr. Gulshan Kumar, Inspire Faculty

Sponsoring agency: DST, Government of India.

Position Available: Research Associate-I (01-position).

Duration: The appointment will be till March-2022.

Essential qualifications:

PhD/MD/MS/MDS or equivalent degree or having three years of research, teaching and design and development experience after MVSc/M.Pharma/ME/M.Tech with at least one research paper in Science Citation Indexed (SCI) journal.

Desirable: Experience in plant and agricultural biotechnology, genomics and functional genomics, NGS data analysis and gene expression analysis.

Age Limit: The age limit of applicants for RA will be 40 years. (Relaxation is admissible in case of SC/ST/OBC/women/physically disabled as per government of India instructions).

Emoluments: The RA-I will be hired as per the emoluments' guidelines and service conditions notified by DST (OM No.SR/S9/Z-08/2018 dated 30.01.2019) (Rs. 47,000/month + HRA).

*** FOR RA Candidates who have submitted Ph.D. thesis and are waiting for viva voce may also apply (For such candidates, fellowship amount will be that of an SRF until he/she submit completion of PhD certificate.**

3. **Project Title:** Studying the Iron uptake, translocation, and regulation in crop plants.

Principle Investigator: Dr. Ajay K Pandey, Scientist F

Position Available: Research Associate-I (01-position).

Duration: The appointment will be initially for a period of one year. Further extension from 01st Year to 2nd Year will be subject to submission of progress report submitted by selected candidate and satisfactory assessment remarks given by the reporting officer.

Essential qualifications:

PhD/MD/MS/MDS or equivalent degree or having three years of research, teaching and design and development experience after MVSc/M.Pharma/ME/M.Tech with at least one research paper in Science Citation Indexed (SCI) journal.

Desirable: Motivated and exceptional candidates are encouraged to have a prior experience with complex crop genomics. The candidate should be able to handle different tools and techniques of bioinformatics.

Age Limit: The age limit of applicants for RA will be 40 years. (Relaxation is admissible in case of SC/ST/OBC/women/physically disabled as per government of India instructions).

Emoluments: The RA-I will be hired as per the emoluments' guidelines and service conditions notified by DST (OM No.SR/S9/Z-08/2018 dated 30.01.2019) (Rs. 47,000/month + HRA).

*** FOR RA Candidates who have submitted Ph.D. thesis and are waiting for viva voce may also apply (For such candidates, fellowship amount will be that of an SRF until he/she submit completion of PhD certificate.**

4. **Name of project:-** “Developing sheath blight tolerance in rice using Genome editing”
(Project Grant GAP-32)

Investigator:- Dr. Humira Sonah, Ramalingaswami Fellow

Research Positions (Temporary):- Research Associate-I

Duration:- Till 26th June, 2022

Essential qualification:- PhD/MD/MS/MDS or equivalent degree in Life Sciences or having 3 years of research, teaching and design and development experience after MVSc/ M.Pharm/ME/M.Tech with at least one research paper in Science Citation Index (SCI) journal. (Eligibility criteria as DST OM No.SR/S9/Z-08/2018 dated 30.01.2019)

Desired Experience Experience in plant or agricultural biotechnology, plant tissue culture, rice or any other crop plant transformation, genome editing, genomics/bioinformatics.

Emoluments:- Rs. 47000/- per month plus 8% HRA. (As per DST OM No. SR/s9/Z-08/2018 dated 30.01.2019)

Responsibilities:- Maintaining fungal cultures, Genome editing, tissue culture, transformation, molecular biology

Age limit: - 40 Years. (Relaxation is admissible in case of SC/ST/OBC/PD as per GOI Instructions)

*** FOR RA Candidates who have submitted Ph.D. thesis and are waiting for viva voce may also apply (For such candidates, fellowship amount will be that of an SRF until he/she submit completion of PhD certificate.**

5. Senior Research Fellow (One Position)

Essential Qualifications: -

Post Graduate Degree in Basic Science OR Graduate /Post Graduate Degree in professional course selected through a process described through any one of the following: -

Scholars who are selected through National Eligibility Tests-CSIR-UGC-NET including Lectureship (Assistant Professorship) and GATE

The selection process through National Level examinations conducted by central government departments and their agencies and institutions such as DST,DBT,DAE,DOS,DRDO,MHRD,ICAR,ICMR,IIT,IISc,IISER etc.

Essential Qualifications: - Qualifications Prescribed for JRF with two years of research experience.

Principal Investigator: - Dr. Vikas Rishi, Scientist F

Desired Experience: - Candidate should have expertise in biochemistry with specialisation in imaging including confocal, SEM and TEM.

Responsibilities: - Selected scholar will be responsible for our ongoing project dealing with effect of plant-derived exosomes on cell differentiation.

Emoluments: - Rs. 35000/- per month plus HRA (As per DST OM No.SR/S9/Z-08/2018 dated 30.01.2019)

Age limit:- 32 Years (Relaxation is admissible in case of SC/ST/OBC/PD as per GOI Instructions)

6. Junior Research Fellow (Own Fellowship) (One Position)

Essential Qualifications: -

Post Graduate Degree in Basic Science OR Graduate /Post Graduate Degree in professional course selected through a process described through any one of the following: -

Scholars who are selected through National Eligibility Tests-CSIR-UGC-NET including Lectureship (Assistant Professorship) and GATE

The selection process through National Level examinations conducted by central government departments and their agencies and institutions such as DST,DBT,DAE,DOS,DRDO,MHRD,ICAR,ICMR,IIT,IISc,IISER etc.

Principal Investigator: - Dr. Koushik Mazumder, Scientist E

Desired Experience: - Experience with food science/technology, chemical and analytical techniques.

Emoluments: - As per fellowship granting agency.

Responsibilities: - Conducting isolation, purification and characterization of polysaccharides from cereal/agri-biomass. Further, the JRF will work on application of the polysaccharides for the development of functional food products.

Age limit:- 28 Years (Relaxation is admissible in case of SC/ST/OBC/PD as per GOI Instructions)

7. Junior Research Fellow (Project Grant GAP-43) (One Position)

Project Title:- Mining nonhost resistance (NHR) genes for engineering Alternaria Blight resistance in Indian Mustard (Brassica juncea)”

Principal Investigator:- Dr. Sivasubramanian, Inspire Faculty, NABI

Duration of Project: Till 15th March, 2024

Project Summary:

The project focusses on discovering non-host resistance genes against a major necrotrophic pathogen of the oilseed Brassicas, Alternaria brassicae. The project

involves identification and characterisation of effectors in the culture filtrate of *A. brassicae*. Some of the characterised effectors would be used as baits to identify host and non-host interacting proteins in *Brassica juncea* and *Nicotiana benthamiana*. The identified interacting partner(s) would be validated using immunoprecipitation and BiFC assays. Further, the candidate interacting partner(s) would be functionally validated by overexpressing it in *Arabidopsis thaliana*, followed by disease bioassays on the overexpression lines. This project involves handling fungal cultures, molecular cloning, mass spectrometry, and other protein-protein interactions assays.

Essential Qualifications:-

Post Graduate Degree in Basic Science OR Graduate /Post Graduate Degree in professional course selected through a process described through any one of the following:-

Scholars who are selected through National Eligibility Tests-CSIR-UGC-NET including Lectureship (Assistant Professorship) and GATE

The selection process through National Level examinations conducted by central government departments and their agencies and institutions such as DST,DBT,DAE,DOS,DRDO,MHRD,ICAR,ICMR,IIT,IISc,IISER etc.

Desirable qualifications: -

Proven experience in microbiology/plant pathology, mass spectrometry, and protein-protein interaction studies would be considered as a plus.

Emoluments :- Rs. 31,000/- per month plus 8% HRA.

Age limit:- 28 Years (Relaxation is admissible in case of SC/ST/OBC/PD as per GOI Instructions)

Application Procedure

All interested eligible candidates should send completely filled application form (Single adobe pdf file) available on institute website through email till 10th May, 2021 on email id. recttscholarnabi@gmail.com

Kindly note the following important points :- (Application and Selection process)

1. **Kindly do not send the hard copy of the application form.**
2. **Incomplete application form and applications that are not in proper format may be summarily rejected.**
3. **The applications should be submitted strictly as per prescribed format that can be downloaded from the NABI website.**
4. **Candidates are also required to sent filled synopsis sheet in excel format as available on website to email id mentioned above. recttscholarnabi@gmail.com**

Kindly note that synopsis sheet in excel format is mandatory as per prescribed format.

5. Candidates applying for more than one position can give their preference in the same application by ✓ multiple positions. No need to submit separate application form for each position.
6. **Kindly send complete filled application form (Single adobe pdf file) through email only.**
7. Kindly do not send any documents with application form. Candidates will be provisionally shortlisted on the basis of information given in the application form. All the documents related to eligibility i.e. Age, educational qualification, Net/Gate, Experience etc(**in-original**) will be verified at later stage before issuing offer/award letter.
8. **No application form will be accepted after due date i.e. 10th May, 2021**
9. Eligible candidates will be informed via email for interview schedule.
10. **Candidates should ensure that information mentioned in application form is accurate. Once the application form is submitted no further request regarding any changes/ information in the application form will be considered.**
11. Eligible candidates will be interviewed through video conferencing mode by duly constituted selection committee.
12. Qualifications, Age and experience will be reckoned as on the last date for the submission of application form through email i.e. 10th May, 2021.
13. Any changes in last date for submission of application forms, procedure for selection, important points etc shall be available only in NABI website. Interested candidates may kindly see the NABI website before applying for the same.

Manager Administration