



सी.एस.आई.आर.-राष्ट्रीय वनस्पति अनुसंधान संस्थान CSIR-NATIONAL BOTANICAL RESEARCH INSTITUTE



राणा प्रताप मार्ग, लखनऊ-226001
Rana Pratap Marg, Lucknow-226001

विज्ञापन सं. 10 / प्रोजेक्ट / 2024
ADVERTISEMENT No. : 10/Project/2024

सीएसआईआर-राष्ट्रीय वनस्पति अनुसंधान संस्थान, लखनऊ, वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद् (सीएसआईआर) की एक घटक प्रयोगशाला है। सीएसआईआर-रा.व.अ.सं. पादप विज्ञान के महत्वपूर्ण क्षेत्रों में बेसिक तथा अप्लाइड अनुसंधान करता है।

CSIR- National Botanical Research Institute (NBRI), Lucknow is a constituent laboratory of Council of Scientific & Industrial Research (CSIR). CSIR-NBRI undertakes basic and applied research in important areas of plant sciences.

सीएसआईआर-एनबीआरआई में प्रायोजित परियोजनाओं के तहत निम्नलिखित क्षेत्रों में विशुद्ध रूप से अस्थायी पदों के लिए पात्र और इच्छुक उम्मीदवारों को साक्षात्कार के लिए आमंत्रित किया जाता है :

Eligible & interested candidates are invited for interview for the purely temporary positions in the following areas under the sponsored projects tenable at CSIR-NBRI :

Area – I : Pharmacognosy, Phytochemistry & Product Development :

Sl. No	Name of Position	Essential Qualification	Desirable Qualification / Job Specification	Age	Stipend	Project Name	No. of position(s)
1.	Project Associate-I	M.Sc. in Botany / Chemistry / biochemistry / Biotechnology or B.Pharma	Knowledge of secondary metabolites in medicinal plants.	35 years	(i) 31,000/- p.m. + HRA to scholars who are selected through (a) National Eligibility tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 25,000/-+HRA for others who do not fall under above (i)	Biotechnological Interventions for Management of Protected Areas (GAP-3519)	01
2.	Project Associate-I	M.Sc. in Chemistry / Microbiology / Life Sciences / Biological Sciences or B.Tech in Biotechnology / Bioinformatics or Genetics Engineering / B.Pharma	Experience in molecular docking drug design / microbiology / virology / Hands on experience in virus and Bioinformatics	35 years	(i) 31,000/- p.m. + HRA to scholars who are selected through (a) National Eligibility tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 25,000/-+HRA for others who do not fall under above (i)	Assessment of the anti-viral potential of plant derived bioactive compounds (IHP240004)	02

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3.	Program Executive	Post Graduate in Science subjects or Bachelors in Technology	Assist in all activities of core team members, helping in accounting work, documentation, preparation of office documents and any other office or assistance required in the work, assist in holding meetings, workshop, article compilation etc.	35 years	Rs. 30000/- p.m.	National Coordination of Scheme for Young Scientists and Technologists (GAP-3486)	03**
4.	Project Associate-I	M.Sc. in Botany / Biochemistry / Chemistry / B.Pharma.	Standardization of Shodhana protocols and processing of poisonous medicinal plants.	35 years	(i) 31,000/- p.m. + HRA to scholars who are selected through (a) National Eligibility tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 25,000/-+HRA for others who do not fall under above (i)	Mechanistic studies in elucidation of Shodhana for nine poisonous medicinal plants of E1 schedule (GAP-3521)	01
5.	Technical Assistant	Graduate in Science	Knowledge of medicinal plants. Field collection and processing of medicinal plants, market survey and procurement of raw drugs from different markets of India.	50 years	Rs. 20000/- p.m.	Mechanistic studies in elucidation of Shodhana for nine poisonous medicinal plants of E1 schedule (GAP-3521)	01
6.	Project Assistant	Graduation in Science	Field collection of medicinal plants from different locations of India and Phytochemical analysis.	50 years	Rs. 20000/- + HRA p.m.	Development of bioelectric sensor technology coupled with high throughput metabolomics for quality control of <i>Jatamansi</i> : An economically important medicinal plant (GAP-3528)	01
7.	Project Associate-I	M.Sc. in Botany / Biochemistry / Chemistry / B. Pharma.	Knowledge of secondary metabolites in medicinal plants and Pharmacology	35 years	(i) 31,000/- p.m. + HRA to scholars who are selected through (a) National Eligibility tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 25,000/-+HRA for others who do not fall under above (i)	Biotechnological Interventions for Management of Protected Areas (GAP-3519)	01
8.	Project Associate-I	M.Sc. in Botany / Chemistry / B. Pharma	Botanical and chemical profiling, collection of medicinal plants from different parts of country	35 years	(i) 31,000/- p.m. + HRA to scholars who are selected through (a) National Eligibility tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 25,000/-+HRA for others who do not fall under above (i)	Effects of abiotic and biotic factors on secondary metabolite profiles of <i>Rauvolfia serpentina</i> and <i>Tribulus terrestris</i> : Optimizing cultivation strategies in different agro climatic regions of India.	01

9.	Project Associate-I	M.Sc. in Botany / Microbiology / Biotechnology	Botanical and chemical profiling, collection of medicinal plants from different parts of country	35 years	(i) 31,000/- p.m. + HRA to scholars who are selected through (a) National Eligibility tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 25,000/-+HRA for others who do not fall under above (i)	Effects of abiotic and biotic factors on secondary metabolite profiles of <i>Rauvolfia serpentina</i> and <i>Tribulus terrestris</i> : Optimizing cultivation strategies in different agro climatic regions of India.	01
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** Two positions for CSIR-NBRI, Lucknow and One position for DST, New Delhi

Area – II : Molecular Biology & Biotechnology :

Sl. No	Name of Position	Essential Qualification	Desirable Qualification	Age	Stipend	Project Name	No. of position(s)
1.	Project Associate-II	M.Sc. in Botany / Biotechnology / Agriculture alongwith 02 years R&D experience.	Experience in Molecular Biology	35 years	Rs. 28000/- + HRA per month*	Characterizing arsenic-responsive miRNAs in spinach for establishing molecular of arsenic accumulation and stress. (IHP240002)	01
2.	Project Associate-I	M.Sc. in Botany / Plant Sciences / Life Sciences / Biotechnology / Biochemistry / Plant Molecular Biology	Experience in Plant Molecular Biology techniques & Genomics.	35 years	(i) 31,000/- p.m. + HRA to scholars who are selected through (a) National Eligibility tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 25,000/-+HRA for others who do not fall under above (i)	Roots to Petals : Investigating Root Architecture Influence on Jasmine Floral Traits (IHP240005)	01
3.	Senior Project Associate	M.Sc. in Botany / Biotechnology / Microbiology / Biochemistry / Life Sciences / Biological Sciences / Bioinformatics alongwith 04 years of R&D experience in the relevant area or Ph.D. in one of the above subjects.	Experience in plant tissue culture / Molecular Biology / Genomics / Bioinformatics techniques.	40 years	Rs. 42000/- + HRA p.m.	Genome editing for crop improvement (GE-Crop) (MMP025301)	03
4.	Project Associate-II	M.Sc. in Botany / Biotechnology / Microbiology / Biochemistry / Bioinformatics / Biological Sciences / Life Sciences alongwith 02 years R&D Experience in relevant area or B.Tech in Computer Science / Bioinformatics or equivalent alongwith 02 years R&D Experience in relevant area.	Experience in molecular biology / Bioinformatics techniques & computer programming / software development.	35 years	(i) 35,000/- p.m. + HRA to scholars who are selected through (a) National Eligibility tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 28,000/-+HRA for others who do not fall under above (i)	Genome editing for crop improvement (GE-Crop) (MMP025301)	08

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5.	Project Associate-I	M.Sc. in Botany / Biotechnology / Biological Sciences / Microbiology / Biochemistry / Bioinformatics / Life Sciences or B.Tech in Computer Science.	Experience in plant tissue culture / Molecular Biology.	35 years	(i) 35,000/- p.m. + HRA to scholars who are selected through (a) National Eligibility tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 28,000/-+HRA for others who do not fall under above (i)	Genome editing for crop improvement (GE-Crop) (MMP025301)	02
6.	Technical Assistant	B.Sc. / 3 years Diploma in Engineering & Technology	Experience in routine molecular biology lab work such as media preparation / autoclaving / lab management / scientific administrative work.	50 years	Rs. 20000/- + HRA p.m.	Genome editing for crop improvement (GE-Crop) (MMP025301)	01

Area – III : Plant Genetic Resources & Improvement :

Sl. No	Name of Position	Essential Qualification	Desirable Qualification	Age	Stipend	Project Name	No. of position(s)
1.	Project Associate-I	M.Sc. or B. Pharma in Botany / Chemistry / Biochemistry / Biotechnology.	1. Knowledge of secondary metabolites in medicinal plants. 2. Knowledge breeding in medicinal plants.	35 years	(i) 31,000/- p.m. + HRA to scholars who are selected through (a) National Eligibility tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 25,000/-+HRA for others who do not fall under above (i)	Advancement of two in house-developed chemotypes of <i>Cannabis</i> and labelling with trait associated variations through GWAS study (NCP-020307)	03

Area – IV : Plant Diversity, Systematics & Herbarium :

Sl. No	Name of Position	Essential Qualification	Desirable Qualification	Age	Stipend	Project Name	No. of position(s)
1.	Project Associate-I	M.Sc. in Botany / Microbiology / Biotechnology / Bioinformatics / Biochemistry or B.Tech. in Biotechnology / Bioinformatics	M.Tech. Biotechnology / Bioinformatics Experience in microbiological techniques, culturing microbes such as fungus, algae or bacteria. OR Experience in handling bioinformatics tools, data mining and data analysis.	35 years	(i) 31,000/- p.m. + HRA to scholars who are selected through (a) National Eligibility tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 25,000/-+HRA for others who do not fall under above (i)	In vitro resynthesis of lichens for pharmaceutically potentially metabolites (FBR020308)	02

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2.	Senior Project Associate	M.Sc. in Botany / Microbiology / Biotechnology / Bioinformatics / Biochemistry or B.Tech. in Biotechnology / Bioinformatics alongwith 04 years of R&D experience OR Ph.D. in any one of the above subjects.	M.Tech. Biotechnology / Bioinformatics Experience in microbiological techniques, isolation and culture of lichen symbionts. OR Experience in handling bioinformatics tools, genome analysis of fungus and algae.	42 years	Rs.42000 + HRA	In vitro resynthesis of lichens for pharmaceutically potentially metabolites (FBR020308)	01
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Area – V : Plant Ecology & Environment Technologies :

Sl. No	Name of Position	Essential Qualification	Desirable Qualification	Age	Stipend	Project Name	No. of position(s)
1.	Project Associate-I	M.Sc. in Botany / Environmental Science / Agriculture Sciences / Plant Sciences / Life Sciences / Biochemistry / Biotechnology	-	35 years	Rs. 25000/- + HRA per month*	Investigate the effect of climate change on primary and secondary metabolites yield and its nutritional and pest protection of under-utilized crop Proso-millet (IHP240001)	02
2.	Project Associate-I	M.Sc in Botany / Plant Sciences / Environmental Sciences / Plant Ecology / Biochemistry / Forestry or M.Tech. in Environmental Engineering / Bioinformatics	Knowledge in plant conservation, ecological sampling, quantification of various ecosystem services and basic knowledge in ecological niche modelling.	35 years	(i) 31,000/- p.m. + HRA to scholars who are selected through (a) National Eligibility tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 25,000/-+HRA for others who do not fall under above (i)	Biotechnological Interventions for Management of Protected Areas (GAP-3519)	02

* As per sanction of funding agency.

Date & Venue of Interview	Date : Area-I : 30-07-2024 Area-II : 31-07-2024 Area-III : 31-07-2024 Area-IV : 01-08-2024 Area-V : 01-08-2024 Time : 11:00 AM Venue : K.N. Kaul Block, CSIR-NBRI, Rana Pratap Marg, Lucknow
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TERMS & CONDITIONS :

HRA will be admissible as per sanction of the projects.

- a) The Application form will be provided at the venue on the date. However, candidates may download the application form in advance from the website www.nbri.res.in. At the time of interview candidates should bring one latest photograph, original documents along with self-attested copy of certificates of examinations passed (starting from matriculation), certificate indicating date of birth and experience certificate, etc. Tentative mark sheets/certificates and 'result awaited' will not be considered. All eligible candidates are requested to be present at the venue on the said date **one hour before** the scheduled time for necessary documents verification etc.

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- b) **Mode of Selection: Through Interview.** However, if large number of candidates turn up, a Screening test comprising of multiple-choice objective questions may be held for short listing the candidates for interview. The shortlisted candidates will be interviewed by the Selection Committee and, based on the performance in the interview; a panel of recommended candidates will be formed. The panel shall be utilized as and when the requirement arises in the projects in the relevant field/area. Candidates have the option to interact in Hindi/English before the committee. In case of turning up of large no. of candidates, interview may continue for next day.
- c) The appointment of the selected candidates in the CSIR/externally funded project will be co-terminus with the project subject to his/her satisfactory progress, receipt of the funds from CSIR and other extant rules/ conditions/instructions issued by CSIR/GoI/Other Authorities from time to time. However, the total tenure of the project staff in projects in CSIR should not exceed 05 years.
- d) In case of Universities/Institutes awarding CGPA/SGPA/OGPA Grades etc., candidates are requested to convert the same into percentage based on the formula as per their University/Institute.
- e) The period of experience in a discipline / area of work, wherever prescribed shall be counted after the date of acquiring the minimum prescribed educational qualifications prescribed for that grade.
- f) In case of large number of candidates turn up for the interview, there is a possibility that interviews may continue till late in the evening or the next day also. Therefore, candidates are requested to make their travel plans accordingly.
- g) Number of position(s) may vary at the time of selection.
- h) Director, CSIR-NBRI reserves the right to cancel/modify the vacancy/recruitment/ selection process, if the need arises, without issuing any further notice or assigning any reason thereof.
- i) **Canvassing in any form and / or bringing any influence political or otherwise will be treated as disqualification for the post.**
- j) In case, it is detected at any point of time in future, even after engagement, that the candidate was not eligible, engagement of the candidate shall be liable to termination forthwith as per this clause.
- k) To avoid any inconvenience, only those candidates who strictly fulfill the eligibility criteria and possess the degree/mark sheet in the aforesaid subjects should turn up for walk in interview.

- NO INTERIM QUERIES WILL BE ENTERTAINED.

- NO TA/DA WILL BE ADMISSIBLE.

 प्रशासन नियंत्रक / Controller of Administration

