No. SRICC/RJP-PDF/2024-25/ Date: October 1, 2024

ADVERTISEMENT FOR
RAJA JWALA PRASAD POST DOCTORAL FELLOWSHIP

Banaras Hindu University, recognized by the Ministry of Education as an Institution of Eminence, is inviting applications from eligible candidates for **Raja Jwala Prasad Post-Doctoral Fellowship** of one-year duration. Besides the sophisticated equipment available in various laboratories of the Departments, the University has a Central Discovery Centre where cutting edge research equipment like Fluorescence Activated Cell Sorter (FACS), Flow Cytometer (FCM), Gel Doc, Chemiluminiscent, High-Resolution FE-SEM (with EDS and EBSD) are available. Under DST supported SATHI programme High Resolution Accurate Mass Spectrometry System, Laser Ablation (Femto-Second) Combustion Gas Chromatography, High Resolution – Isotope Ratio Mass Spectrometry, Laser Scanning Super Resolution Microscope System, Circular Dichroism Spectrophotometer, Photoacoustic Imaging Platform and High Resolution NMR 600 MHz are also available.

Name of the mentor, Department and Faculty in which the RJP-PDF positions are available is given below:

Post Code	**Name of the Mentor/ Department/ Faculty**	**Essential & Desirable qualifications**
RJP-001	Prof. Hema Singh Department of Botany Institute of Science	E.Q. : Ph.D. D.Q. : Ecology and Environment
RJP-002	Dr. Yogesh Mishra Department of Botany Institute of Science	E.Q. : Ph.D. in Botany/ Plant Science/ Biotechnology/ Plant Molecular Biology D.Q. : Candidate with technical research experience in the area of proteomics, physiology, molecular stress biology, molecular biology and having technical expertise in techniques like qPCR, Gel based proteomics, Western Blotting, Pulse amplitude modulation (PAM), fluorometry and experience of handling and growing of *Arabidopsis thaliana* will be preferred.
RJP-003	Dr. Prashant Singh Department of Botany Institute of Science	E.Q. : The candidates should have PhD degree in Botany/ Microbiology/ Life Sciences/ Biotechnology/ Biochemistry/ Biosciences/ Plant Science or any related field D.Q. : The candidates with research experience

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		in the field of Plant Microbiology, Plant Pathology, Metabolomics, Epigenetics, ChIP sequencing, RNA Seq, Bioinformatics with evidence of original research publications will be preferred.
RJP-004	Prof. Satyen Saha Department of Chemistry Institute of Science	E.Q. : Ph.D. in Chemistry D.Q. : (1) Ph.D. in Chemistry (Preferably in Physical/ Organic/ Inorganic Chemistry). (2) Experience in synthesis and photophysical studies.
RJP-005	Dr. Virendra Prasad Department of Chemistry Institute of Science	E.Q. : Ph.D. in Chemistry with specialization in Organic Chemistry D.Q. : Candidates with experience in organic synthesis methodologies and multi-step organic synthesis will be preferred.
RJP-006	Dr. Ashok Kumar Basak Department of Chemistry Institute of Science	E.Q. : PhD (Organic Synthesis) D.Q. : Expertise in multistep synthesis, handling of air & moisture sensitive regents, manuscript preparation.
RJP-007	Dr. Vikas Kumar Department of Physics Institute of Science	E.Q. : Ph.D. in Nuclear Physics D.Q. : Research Experience in theoretical nuclear structure physics/ shell model/ allowed and forbidden beta decay/ double beta decay/QPRA calculations.
RJP-008	Dr. Pawan Kumar Dubey Centre for Genetic Disorder Institute of Science	E.Q.: Ph.D in Biotechnology/Molecular Human Genetics/ Biochemistry/Zoology D.Q.: Experience in area of animal cell & tissue culture, molecular biology, stem cell biology, Genetics will be preferred.
RJP-009	Prof. Kartikeya Srivastava Deptt. Of Genetics & Plant Breeding Institute of Agricultural Sciences	E.Q. : Ph.D. in Genetics & Plant Breeding D.Q. : Experience in molecular assisted gene introgression in oilseed/ field crops evident in publications in reputed journals.
RJP-010	Prof. V.K. Mishra Genetics & Plant Breeding Institute of Agricultural Sciences	E.Q. : PhD in Genetics and Plant Breeding / Plant Physiology/Biotechnology/Botany/Biochemistry/ Bioinformatics from Indian Universities/ Institutes with NIRF ranking written / verbal communication skills. Applicants must have original research publication (at least 2 papers in Q1 or Q2 Journals of Scopus / web of Science

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		listed Journal) essentially in support of their specialization. D.Q. : Candidates with research experience in wheat crop.
RJP-011	Prof. Shravan Kumar Singh Genetics & Plant Breeding Institute of Ag. Sc.	E.Q. : Ph.D in Genetics and Plant Breeding / Plant Breeding/ Genetics (related to agriculture only). D.Q. : Rice Breeding
RJP-012	Dr. Sandeep Sharma Department of Genetics and Plant Breeding Institute of Agricultural Sciences	E.Q. : Ph.D. in any branch in Agriculture/ Life Sciences D.Q. : Experience with plant transformation and molecular biology OR computational biology/ genomics OR large scale data analysis
RJP-013	Prof. Shyam Sundar Department of General Medicine Institute of Medical Sciences	E.Q. : Candidates must have PhD in Biotechnology/ Biochemistry/ Zoology/ Microbiology. D.Q. : Candidates with research experience in sand fly vector biology, molecular and immunoepidemology and field studies (supported by the publication in these areas) will be preferred.
RJP-014	Prof. Richa Raghuwanshi Botany Section Mahila Mahavidyalaya	E.Q. : M.Sc. in Botany/Plant Sciences/ Microbiology/Life Sciences / Biotechnology / Biochemistry with 55% marks along with Ph.D in Botany /Plant Sciences/ Microbiology/ Life Sciences/ Biotechnology/ Biochemistry. D.Q. : Candidate must have research experience in the field of microbial natural products, molecular plant-microbe interactions, proteomics, bioinformatics evident in original research publications.
RJP-015	Dr. Krishna Kumar Choudhary Botany Section Mahila Mahavidyalaya	E.Q. : Ph.D. in Environmental Sciences D.Q. Candidates with research experience in field study and sampling. Efficient in handling field experimental set-up in ambient conditions, growing and analyses of plant biochemical, molecular, physiological and quality parameters along with the analysis of soil contaminants, soil physic-chemical and biological parameters, plant biodiversity analysis, knowledge in statistical software and computational methods.

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RJP-016	Dr. Gautam Geeta Jiwatram Zoology Section Mahila Mahavidyalaya	E.Q.: PhD in Life Sciences/ Zoology with a strong experience in Molecular Biology and Reproductive biology. The candidate must have excellent written/ verbal communication skills. D.Q. : Candidates with research experience in Bacterial culture and cloning, toxicity, histology and molecular biology techniques like qPCR, Western Blotting, Immuno-histochemistry and experience of handling small animals will be preferred.
RJP-017	Dr. Bhanu Pratap Singh Economics Section Mahila Mahavidyalaya	E.Q. : Ph.D. in Economics/ Development Economics/ Development Studies/ Population Studies and other related areas of economics. D.Q. : Candidates having good communication and writing skills, sound understanding and handling of econometric estimation softwares (Eviews, STATA, R, SPSS etc.). Additionally, experience of field surveys and being able to work/travel on field.
RJP-018	Dr. Kirpa Ram Deptt. of Environment and Sustainable Development (**for 5 months duration only**)	E.Q. : Ph.D. in Atmospheric/ Environmental Science, Environmental Science & Technology, Chemistry, Environmental Technology, Meteorology, Civil/ Environmental Engineering, and M.Sc. in Atmospheric Sciences, Geochemistry, Environmental Chemistry or in allied science discipline with at least 55% marks. D.Q. : 1. Candidate with chemistry at undergraduate level will be preferred. 2. Research experience in air pollution monitoring, characterization and modelling techniques are desirable.

Other conditions:

1) Only those research scholars who have done their Ph.D. from Indian Universities/Institutes with NIRF ranking of up to 20 (overall or in respective areas) or those who have done Ph.D. abroad will be eligible. Research scholars who have done their research in Institution of National Importance are also eligible.

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2) The candidates must have proven track record with published work of at least two papers in Q1 or Q2 journals or SCOPUS/ Web of Science listed journals.
3) The RJP-PDF will receive a consolidated fellowship of Rs. 60,000/- p.m. + HRA (Rs. 10,000/- p.m.) and a contingency of Rs. 50,000/- per year (on pro-rata basis).
4) The RJP-PDF will be valid for 12 months from the date of joining of the Fellow, unless otherwise specifically mentioned.
5) The fellows are expected to publish their work in Q1 or Q2 or SCOPUS/ Web of Science listed journals.
6) The fellow will carry the title of "Raja Jwala Prasad Post-Doctoral Fellow".

Interested candidates are requested to submit their application in prescribed format along with supporting documents by e-mail to dr_sricc@bhu.ac.in with the subject "**Application for RJP-PDF, Post Code : ____**" and send hard copy to : The Professor Incharge, Sponsored Research & Industrial Consultancy Cell, Room No. F-10, Central Office Annex, Banaras Hindu University, Varanasi – 221005, Uttar Pradesh by **October 29, 2024**.

(**Dr. D.S. Pandey**)
Professor In-charge
Sponsored Research &
Industrial Consultancy Cell
Banaras Hindu University

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