



Gujarat Biotechnology University

An initiative of Department of Science and Technology,
Government of Gujarat

File Number: GBU/SRF/2025/ **846**

Date- 11th September 2025

Subject: Advertisement for Senior Research fellow DST, Govt. of Gujarat-Sponsored Research Project, on an outsourced basis

Gujarat Biotechnology University invites applications for the position of **Senior Research Fellow (SRF)** under various **DST, Government of Gujarat-sponsored projects** (The openings are on an outsourced basis) as per details below:

Sr. No.	Project title	Name of Position:	No. of Positions
1	Development of the Enzyme portfolios for the application in green catalysis to produce API (Active Pharmaceutical Ingredients) and high value biomolecules	Senior Research fellow	02
2	Enhancing Climate Resilience and Nutrient-Use Efficiency in Brassica. Juncea through Genetic, Genomic, and Microbial Approaches	Senior Research fellow	02
3	Establishment of genome editing platform for humanized mice model development and biopharmaceutical production in milk of farm animals	Senior Research fellow	02
4	Development of Biorepository for Cancer & other tissues	Senior Research fellow	02
5	A Sequential and Integrated High Fibre Agro-, Food- and Vegetable Waste (FVWs) Bio refinery for Production of Biogas, Hydro-/Bio-char as Soil Conditioner: A Circular Bio economy Approach	Senior Research fellow	02


General Terms and Conditions

- Candidates will be shortlisted for interview based on their CV, qualifications, and experience.
- Only shortlisted candidates will be called for interview. No TA/DA will be provided for attending the interview.
- The openings are on an outsourced basis, The posts are purely temporary, up to March 2026, and may be extended as per DST-GoG approval.
- Appointment will be made initially for 6 months, further extendable subject to satisfactory performance.
- This appointment does not confer any right for extension or permanent absorption in the organization.


Application Process :

- **Last Date for Submission of Applications:** 24th September 2025
- Interested candidates must fill in the application details at the following link:
<https://forms.gle/iVWhCCmuPJok3BL27>


Prof. Rakesh Rawal


Prof. Sudhir P Singh


Dr. Sangram Lenka


Dr. Vishal Suthar


Dr. Sudheer Pamidimarri


Dr. Balaram Mohapatra



Annexure 1

Project title: Development of the Enzyme portfolios for the application in green catalysis to produce API (Active Pharmaceutical Ingredients) and high value biomolecules

PIs: Dr. Sudheer Pamidimarri and Prof. Sudhir P. Singh

Name of Position: Senior Research fellow; No. of Positions: 02

Eligibility	Minimum Qualifications: Master's degree in Biotechnology/Biochemistry/Microbiology Bioinformatics/ Biotechnology/ Life science/Biomedical Sciences/Bio-Engineering passed with minimum 55% marks. Desirable Qualifications: <ul style="list-style-type: none">• Protein engineering/protein modelling/database mining and analysis etc.• Experience in Cloning and characterization.• Heterologous protein expression purification.• Enzyme kinetics studies and characterization.• Biocatalysis application via enzymatic process.
Age Limit	Up to 30 years on closing date of advertisement
Fellowship Duration	Until March 2026 (Extendable as per DST-GoG Approval)
Fellowship	Rs. 27,300/- per month as per DST, GoG guidelines.

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Project title: Enhancing Climate Resilience and Nutrient-Use Efficiency in *Brassica juncea* through Genetic, Genomic, and Microbial Approaches

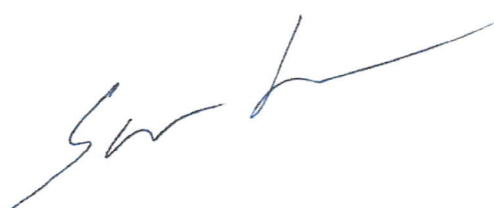
PIs: Sangram Lenka, Nisha Singh, Gunjan Sharma and Archana Kumari

Name of Position: Senior Research fellow; No. of Positions: 02

Eligibility	<p>Minimum Qualifications: M.Sc./M.Tech. (Biotechnology / Plant Biotechnology / Genetics & Plant Breeding / Molecular Biology / Life Sciences / Agricultural Biotechnology, Genomics / Bioinformatics) with a minimum of 55% marks.</p> <p>Desirable Qualifications:</p> <ul style="list-style-type: none">• CRISPR/Cas Genome Editing & Plant Transformation – sgRNA design, vector construction, plant tissue culture, and regeneration (preferably in mustard <i>Brassica juncea</i>).• Molecular Biology Skills – PCR, qPCR, sequencing, genotyping, gene expression analysis, and related assays.• Genomic Data Analysis – variant discovery from EMS mutants and germplasm, SNP genotyping, NGS data processing, gene mapping, GWAS, and comparative genomics.• Bioinformatics & Programming – target prediction, off-target analysis, metagenomic pipelines, functional annotation, with working knowledge of Python and R.• Gene Chip & Microarray Work – design, validation, and functional annotation of gene chips.• Microbiology & Microbiome Research – microbial isolation/characterization, development of microbial consortia, microbiome profiling, and metagenomics.
Age Limit	Up to 30 years on closing date of advertisement
Fellowship Duration	Until March 2026 (Extendable as per DST-GoG Approval)
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Project title: Establishment of genome editing platform for humanized mice model development and biopharmaceutical production in milk of farm animals

PI: Dr. Vishal Suthar , Co-PI: Dr. Ritesh Kumar , Co-PI: Dr. Kamal Mandal

Mentor: Prof. Subeer S. Majumdar

Name of Position: Senior Research fellow; **No. of Positions:** 02

Eligibility	Minimum Qualifications: Master's degree in Biotechnology/Biochemistry/Microbiology/Life-Science/Biomedical Sciences/Bioengineering/Veterinary Science, appearing/passed with minimum 55% marks. Desirable Qualifications/Experience: <ul style="list-style-type: none">• Experience of molecular biology techniques such as PCR, qPCR, Oxford nanopore sequencing (ONP)/Next-Generation Sequencing (NGS) and high throughput data analysis.• CRISPR/Cas9 based genome editing techniques including bioinformatics tools for guide RNA design, off-target prediction, and genome annotation.• Recombinant protein expression, purification, western blotting, biochemical assays/immunoassays.• Animal model generation or embryo manipulation (e.g., microinjection, <i>in vitro</i> fertilization) would be advantageous.• Laboratory experience of MHC gene characterization in livestock/laboratory animals, or model species. Laboratory experience in MHC genotyping/allele sequencing/haplotype analysis.
Age Limit	Up to 30 years on closing date of advertisement
Fellowship Duration	Until March 2026 (Extendable as per DST-GoG Approval)
Fellowship	Rs. 27,300/- per month as per DST, GoG guidelines.

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- Appointment will be made initially for 6 months and further extendable subject to satisfactory performance. It would, therefore, not confer any right for any candidate for claiming extension or absorption in the organization.

Ritesh Kumar

[Signature]

Kamal Mandal

Annexure 1

Project title: Development of Biorepository for Cancer & other tissues

PIs: Prof. Rakesh Rawal & Dr. Ankit Rai

Name of Position: Senior Research fellow; No. of Positions: 02

Eligibility	Minimum Qualifications: Master's degree in Biotechnology/Biochemistry/Microbiology Bioinformatics/ Toxicology/ Life science/Biomedical Sciences/ passed with minimum 55% marks. Desirable Qualifications: <ul style="list-style-type: none">• Experience in handling human tissue and biospecimen• Basic Molecular techniques.• Basic Protein separation & characterization.• Basic animal Cell culture.• Basic Bioinformatics skills
Age Limit	Up to 30 years on closing date of advertisement
Fellowship Duration	Until March 2026 (Extendable as per DST-GoG Approval)
Fellowship	Rs. 27,300/- per month as per DST, GoG guidelines.

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- Only shortlisted candidates will be called for interview, and the candidates are required to attend at their own expenses, no TA/DA will be provided.
- This post is purely temporary up to March 2026, however extendable as per DST-GoG approval.
- Appointment will be made initially for 6 months and further extendable subject to satisfactory performance. It would, therefore, not confer any right for any candidate for claiming extension or absorption in the organization.



Annexure 1

EBT flagship project title: *A Sequential and Integrated High Fibre Agro-, Food- and Vegetable Waste (FVWs) Biorefinery for Production of Biogas, Hydro-/Bio-char as Soil Conditioner: A Circular Bioeconomy Approach*

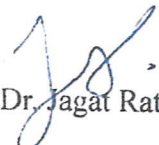
PIs: Dr. Balaram Mohapatra, Dr. Jagat Rathod, **Co-PI:** Dr. Chirayu Desai

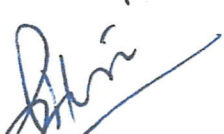
Name of Position: Senior Research Fellow (SRF); **No. of Positions:** 02 [EBT flagship project]

Eligibility	Minimum Qualifications: Master's degree in Biotechnology/Biochemistry/Microbiology/Life-Science/Biomedical Sciences/Bioengineering/Veterinary Science, appearing/passed with minimum 55% marks. Desirable Qualifications/Experience: <ul style="list-style-type: none">• Sound knowledge on experiments related to mineral-microbes interactions, microbial physiology, biochemistry and elemental chemistry• Handling anaerobic microbial cultures and consortia, Archaeal cultivation, analytical skills (GC, LC, Spectroscopy), microbial community analysis (metagenomics), genomic data analysis• Knowledge on microbial consortia development and formulation, and preservation• Enzyme activity studies and characterization
Age Limit	Up to 30 years on closing date of advertisement
Fellowship Duration	Until March 2026 (Extendable as per DST-GoG Approval)
Fellowship	Rs. 27,300/- per month as per DST, GoG guidelines.

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Dr. Jagat Rathod


Dr. Balaram Mohapatra


Dr. Chirayu Desai