



# GUJARAT BIOTECHNOLOGY RESEARCH CENTRE

Department of Science & Technology, Government of Gujarat

Block B & D, 6<sup>th</sup> Floor, M. S Building,

Sector-11, Gandhinagar-382011, Gujarat



## Advertisement. No: GBRC/Recruitment/2021/02

### Research Associate (11), Junior Research Fellow (07) and Field Assistant (1)

Gujarat Biotechnology Research Centre invites applications from the interested deserving candidate for the post of **Research Associate (11), Junior Research Fellow (07) and Field Assistant (1)** positions in various research projects. Details of the projects post, essential qualification, and fellowship is given below:

Sr. No.	Project code	Project name	Desired qualification	No. of Post	Name of the post	Fellowship
1	AGR/2017-18/10	Sex determination kit in Date Palm ( <i>Phoenix dactylifera</i> )	<p>1. Ph.D. in Biotechnology/Biological sciences/ Bioinformatics/ Plant Biotechnology/ Life Sciences /Molecular Biology or equivalent Degree</p> <p><b>OR</b></p> <p>2. Having 3 years of research design and development experience after M. Tech. in Biotechnology/ Bioinformatics /Plant Biotechnology/ Molecular Biology or allied sciences with at least 1 research paper in Science Citation Indexed (SCI) Journal.</p> <p><b>OR</b></p> <p>3. M.Sc. in Biotechnology/Biological sciences/ Bioinformatics/ Plant Biotechnology/ Life Sciences /Molecular Biology with 3 years of research design and development experience with at least one research paper in Science Citation Indexed (SCI) Journal.</p> <p><b>Experience:</b> Candidates having research experience in Plant genomics and breeding and NGS data analysis (Differential transcriptome), with good research publication as evidence will be preferred.</p>	01	RA	<p>1. For Research Associate having qualification as mentioned at No 1,2. Fellowship will be <b>RA I: Rs. 36,000/- +HRA</b> <b>RA II: Rs. 38,000/- + HRA</b> <b>RA III: Rs. 40,000/- + HRA</b></p> <p><b>OR</b></p> <p>2. For Research Associate having qualification as mentioned at No 3. Fellowship will be <b>RA I: Rs. 29,000/-</b> <b>RA II: Rs. 30,000/-</b> <b>and</b> <b>RA III: Rs. 31,000/-</b> <b>(Not entitled for HRA)</b></p>



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2	RSS/ENV16-21/2017-18	Development of Bioremediation Technology for the treatment of solid waste: A case study on Pirana MSW dumping site	<p>1. Ph.D. in Biotechnology/Biological sciences/ Bioinformatics/ Environmental Biotechnology/ Life Sciences /Molecular Biology equivalent Degree</p> <p><b>OR</b></p> <p>2. Having 3 years of research design and development experience after M. Tech in Biotechnology/ Bioinformatics /Environmental Biotechnology/ Microbiology/ Molecular Biology with at least 1 research paper in Science Citation Indexed (SCI) Journal.</p> <p><b>OR</b></p> <p>3. M.Sc. in Biotechnology/Biological sciences/ Bioinformatics/ Environmental Biotechnology/ Life Sciences /Molecular Biology with 3 years of research design and development experience with at least one research paper in Science Citation Indexed (SCI) Journal.</p> <p><b>Experience:</b> Candidates having research experience in bioremediation processes, metagenomics data analysis, transcriptomics along with relevant molecular biology experience with good research publication as evidence will be preferred.</p>	02	RA	
3	ENV17/2017-18	Development of Omics based treatment technologies for Textile waste	<p>1. Ph.D. in Biotechnology/Biological sciences/ Bioinformatics/ Environmental Biotechnology/ Life Sciences /Molecular Biology or equivalent Degree</p> <p><b>OR</b></p> <p>2. Having 3 years of research design and development experience after M. Tech in Biotechnology/</p>	01	RA	



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			<p>Bioinformatics /Environmental Biotechnology/ Microbiology/ Molecular Biology with at least 1 research paper in Science Citation Indexed (SCI) Journal.</p> <p style="text-align: center;"><b>OR</b></p> <p>3. M.Sc. in Biotechnology/Biological sciences/ Bioinformatics/ Environmental Biotechnology/ Life Sciences /Molecular Biology with 3 years of research design and development experience with at least one research paper in Science Citation Indexed (SCI) Journal.</p> <p><b>Experience:</b> Candidates having research experience in bioremediation processes, metagenomics data analysis, transcriptomics along with relevant molecular biology experience with good research publication as evidence will be preferred.</p>			
4	MB-18/2017-18	Genomic Selection of Elite and High Yielding varieties for seed improvement in Aquaculture & Fisheries	<p>1. Ph.D. in Biotechnology/ Bioinformatics/ Life Science/ Marine Biotechnology/Marine Biology/ Fisheries/Aquaculture or equivalent degree</p> <p style="text-align: center;"><b>OR</b></p> <p>2. Having 3 years of research design and development experience after M. Tech in Biotechnology/ Bioinformatics/ Life Science/ Marine Biotechnology/ Marine Biology/ Fisheries/Aquaculture with at least 1 research paper in Science Citation Indexed (SCI) Journal.</p> <p style="text-align: center;"><b>OR</b></p>	01	RA	



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			<p>3. M.Sc. in Biotechnology/ Bioinformatics/ Life Science/ Marine Biotechnology/Marine Biology/ Fisheries/Aquaculture with 3 years of research design and development experience with at least one research paper in Science Citation Indexed (SCI) Journal.</p> <p><b>Experience:</b> Candidate should have a research experience in molecular biology techniques, working with NGS platform and especially RNA isolation and transcriptome data analysis with good research publication as evidence.</p>			
5	MB-19/2017-18	Development of early diagnostic kit for Alzheimer's disease	<p>1. Ph.D. in Biotechnology/Biological sciences/ Bioinformatics/ Medical Biotechnology/ Life Sciences /Molecular Biology or equivalent degree</p> <p><b>OR</b></p> <p>2. Having 3 years of research design and development experience after M. Tech in Biotechnology/ Bioinformatics/ Medical Biotechnology/ Microbiology/ Molecular Biology with at least 1 research paper in Science Citation Indexed (SCI) Journal.</p> <p><b>OR</b></p> <p>3. M.Sc. in Biotechnology/Biological sciences/ Bioinformatics/ Medical Biotechnology/ Life Sciences /Molecular Biology with 3 years of research design and development experience with at least one research paper in Science Citation Indexed (SCI) Journal.</p>	01	RA	



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			<b>Experience:</b> Candidates having research experience in Genomics, NGS data analysis, computational & systems biology with good research publication as evidence will be preferred.		
6	HLT-15/2017-18	Development of plant miRNA based formulation as targeted immunomodulator for Oral & Breast Cancer	<p>1. Ph.D. in Biotechnology/ Bio-informatics/ /Biochemistry/ Human Genetics/ Medical Biotechnology/Cancer Biology or equivalent Degree</p> <p><b>OR</b></p> <p>2. Having 3 years of research design and development experience after M. Tech in Biotechnology/ Bio-informatics/ /Biochemistry/ Human Genetics/ Medical Biotechnology/Cancer Biology with at least 1 research paper in Science Citation Indexed (SCI) Journal.</p> <p><b>OR</b></p> <p>3. M.Sc. in Biotechnology/ Bio-informatics/ /Biochemistry/ Human Genetics/ Medical Biotechnology/Cancer Biology with 3 years of research design and development experience with at least one research paper in Science Citation Indexed (SCI) Journal.</p> <p><b>Experience:</b> Candidates having research experience in cell culture, miRNA expression analysis, computational &amp; systems biology, molecular biology with good research publication as evidence will be preferred.</p>	01	RA
7	GBRC/GSBTM/JD1/ HLT-21/2020-21	Multi Omics Analysis to identify biomarkers to	1. Ph.D. in Biotechnology/ Bio-informatics/ /Biochemistry/ Human Genetics/ Medical Biotechnology/Cancer Biology or equivalent Degree	01	RA



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		demarcate Oral Cancer and healthy tissue for margin clearance	<p style="text-align: center;"><b>OR</b></p> 2. Having 3 years of research design and development experience after M. Tech in Biotechnology/ Bio-informatics/ /Biochemistry/ Human Genetics/ Medical Biotechnology/Cancer Biology with at least 1 research paper in Science Citation Indexed (SCI) Journal.			
			<p style="text-align: center;"><b>OR</b></p> 3. M.Sc. in Biotechnology/ Bio-informatics/ /Biochemistry/ Human Genetics/ Medical Biotechnology/Cancer Biology with 3 years of research design and development and experience with at least one research paper in Science Citation Indexed (SCI) Journal.			
			<p><b>Experience:</b> Candidates having research experience in cell culture/cell selex system, aptamer designing, NGS data analysis, and having interest in single cell genomics with good research publication as evidence will be preferred.</p>			
8	MIC/2017-18/01	Development of Smart Panel for microbial screening for enzyme Production	1. Ph.D. in Biotechnology/ Bioinformatics/ Microbiology /Biochemistry or equivalent Degree <p style="text-align: center;"><b>OR</b></p> 2. Having 3 years of research design and development experience after M. Tech in Biotechnology/ Bio-informatics/ Microbiology /Biochemistry with at least 1 research paper in Science Citation Indexed (SCI) Journal.	01	RA	
			<b>OR</b>			



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			3. M.Sc. in Biotechnology/ Bioinformatics/ Microbiology /Biochemistry with 3 years of research design and development and experience with at least one research paper in Science Citation Indexed (SCI) Journal. <b>Experience:</b> Candidate should have a research experience in Bioinformatics and Microbiology with good research publication as evidence will be preferred.			
9	HLT/2017-18/08	Dengue serotype diagnostic kit	1. Ph.D in Biotechnology/Bio-informatics/ Microbiology / Biochemistry/ Nanotechnology or equivalent degree <b>OR</b> 2. Having 3 years of research and design and development experience after M.Tech in Biotechnology/ Bio-informatics/ Microbiology/ Biochemistry with at least 1 research paper in science Citation Indexed (SCI) Journal. <b>OR</b> 3. M.Sc in Biotechnology/Bio-informatics/ Microbiology / Biochemistry with 3 years of research design and development experience with at least 1 research paper in science Citation Indexed (SCI) Journal. <b>Experience:</b> Candidate should have a research experience in virology, lateral flow assay and molecular biology techniques with good research publication as evidence will be preferred.	01	RA	
10	RSS/PLT/2017-18/14	Development of Assay Kit for Detection of Biological	1. Ph.D. in Biotechnology/Biological sciences/ Bioinformatics/ Plant Biotechnology/ Life Sciences/Molecular Biology or equivalent Degree	01	RA	



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		Adulterants in Highly traded Herbal Product through DNA Tags and Barcoding	<p style="text-align: center;"><b>OR</b></p> <p>2. Having 3 years of research design and development experience after M. Tech. in Biotechnology/Biological sciences/ Bioinformatics/ Plant Biotechnology/ Life Sciences/Molecular Biology with at least 1 research paper in Science Citation Indexed (SCI) Journal.</p> <p style="text-align: center;"><b>OR</b></p> <p>3. M.Sc. in Biotechnology/Biological sciences/ Bioinformatics/ Plant Biotechnology/ Life Sciences/Molecular Biology with 3 years of research design and development and experience with at least one research paper in Science Citation Indexed (SCI) Journal.</p> <p><b>Experience:</b> Candidates having research experience in meta-barcoding, chromatography techniques and NGS data analysis, with good research publication as evidence will be preferred.</p>			
<b>11</b>	IND/2017-18/02	Technology Development for Nattokinase Production	<p>1. Post Graduate in Molecular Biology/ Biotechnology/ Microbiology/ Life Sciences with NET qualification <b>or</b> graduate Degree in professional course in above subjects with NET qualifications</p> <p style="text-align: center;"><b>OR</b></p> <p>2. Post Graduate Degree in Molecular Biology/ Biotechnology/ Microbiology/Life Sciences</p> <p><b>Experience:</b> Candidate should have a research experience in Microbiology, cloning, protein expression and purification and Molecular Biology.</p>	<b>01</b>	<b>JRF</b>	<p>For Junior Research Fellow having desired qualification as per DST, GOI, fellowships will be <b>Rs. 25,000/- + HRA</b> as mentioned at no.1</p> <p style="text-align: center;"><b>OR</b></p> <p>For Junior Research Fellow without NET the fellowship will be</p>





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12	AGR/2017-18/10	Sex determination kit in Date palm ( <i>Phoenix dactyliferous</i> )	1. Post Graduate in Plant Biotechnology/ Molecular Biology/ Bioinformatics/ Biotechnology/ Life Sciences with NET qualification <b>or</b> graduate Degree in professional course in above subjects with NET qualifications <b>OR</b> 2. Post Graduate Degree in Molecular Biology/ Bioinformatics/ Biotechnology/ Microbiology/Life Sciences <b>Experience:</b> Candidate should have a research experience in Bioinformatics (NGS data analysis) and Molecular Biology.	01	JRF	Rs. 18,720/- as mentioned at no.2 <b>(HRA will be not entitled)</b>
13	HLT-12/2017-18	Development of DNA based Diagnostic Kit, Universal Vaccine candidates for Leptospirosis	1. Post Graduate in Molecular Biology/ Bioinformatics/ Biotechnology/ Microbiology/ Life Sciences with NET qualification <b>or</b> graduate Degree in professional course in above subjects with NET qualifications <b>OR</b> 2. Post Graduate Degree in Molecular Biology/ Bioinformatics/ Biotechnology/ Microbiology/Life Sciences <b>Experience:</b> Candidate should have a research experience in Microbiology, Bioinformatics and Molecular Biology.	01	JRF	



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14	Services/2017-18/16	Microbial repository and Services	1. Post Graduate in Molecular Biology/ Biotechnology/ Microbiology/ Life Sciences with NET qualification or Graduate Degree in Professional Course in above subjects with NET qualifications <b>OR</b> 2. Post Graduate Degree in Molecular Biology/ Biotechnology/ Microbiology/ Life Sciences <b>Experience:</b> Candidate should have a research experience in Microbiology and Molecular Biology including capillary sequencing and basic bioinformatics	01	JRF	
15	RSS/KU/2019-20/18 (GBRC and Kamdhenu University joint project)	Ameliorating Antimicrobial drug resistances and augmenting of fertility through probiotic microbiome intervention in postpartum bovine	1. Post Graduate in Veterinary Science/ Molecular Biology/ Biotechnology/ Microbiology/ Life Sciences with NET qualification or graduate Degree in professional course in above subjects with NET qualifications <b>OR</b> 2. Post Graduate Degree in Veterinary Science/ Molecular Biology/ Biotechnology/ Microbiology/ Life Sciences <b>Experience:</b> Candidate should have a research experience in Microbiology and Molecular Biology.	01	JRF	



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16	GBRC/GSBTM/Dir/ Ayur/2021-22	Networking program on ayurvedic formulations for COVID-19 through BT interventions	1. Post Graduate in Veterinary Science/ Molecular Biology/ Bioinformatics/ Biotechnology/ Microbiology/ Life Sciences with NET qualification <b>or</b> graduate Degree in professional course in above subjects with NET qualifications <b>OR</b> 2. Post Graduate Degree in Molecular Biology/ Bioinformatics/ Biotechnology/ Microbiology/Life Sciences <b>Experience:</b> Candidate should have a research experience in chromatography techniques and Molecular Biology.	01	JRF	
17	GBRC/GSBTM/KC HRC/2021-22	Genome wide association study to decipher the host genetic factors associated with resistance toward Cisplatin therapy in oral cancers	1. Post Graduate in Molecular Biology/Biochemistry/ Bioinformatics/ Biotechnology/Microbiology/ Life Sciences with NET qualification or graduate Degree in professional course in above subjects with NET qualifications <b>OR</b> 2. Post Graduate Degree in Molecular Biology/ Bioinformatics/ Biotechnology/ Microbiology/Life Sciences <b>Experience:</b> Candidate should have a research experience in Biochemistry, Bioinformatics, cancer biology and Molecular Biology. <b>Place of Work: Kailash Cancer Hospital &amp; Research Center, Muni Seva Ashram Goraj, Waghodia.</b>	01	JRF	



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18	GBRC/GBR-DBT/JD1/HLT/2019-20	Genome India	1. Post Graduate in Molecular Biology/ Biotechnology/ Life Sciences with NET qualification or Graduate Degree in Professional Course in above subjects with NET qualifications <b>OR</b> 2. Post Graduate Degree in Molecular Biology/ Biotechnology/ Microbiology/Life Sciences <b>Experience:</b> Candidate should have a research experience in molecular biology. • Candidate should be ready for field sampling.	01	<b>Field Assistant (FA)</b>	Rs. 18000/- Fixed
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### **Terms and Conditions**

- The above posts are purely temporary and will be filled on contractual basis for an initial period of 11 months, which may be extended after satisfactory performance of the incumbent till termination of the project.
- There is no provision of re-engagement after termination of the project.
- The selected candidate shall not claim for regular appointment, as the fellowship is co-terminus with the project.
- Maximum age on the last day of the application as per advertisement of the applicant is 35 years for JRF/FA and 45 years for RA.
- No TA /DA will be paid for attending the interview.
- Last Date for Submission of Online Application: 13-06-2021 up to 23:59 Hrs.
- For online application, please visit: <https://www.gbrc.gujarat.gov.in/>
- Candidate has to pay the below fees online on online SBI portal <https://www.onlinesbi.sbi/sbicollect/>. Please read How to pay fees online on website only.

Sr. No	Post	Fees
1	RA	250
2	JRF/FA	150