



Form No.: VSI/Personnel/ Job Advt./T.C/2024-25/12.11.2024

Job Title*	Walk-in-interview for the post of 1) Scientific Officer (Product Development) –01 Post 2) Scientific Officer (Product Evaluation) – 01 Post 3) Scientific Officer (Sugarcane Micro propagation - Laboratory Management) - 01 Post 4) Scientific Officer (Sugarcane Micro propagation Green House Management) - 01 Post at Tissue Culture Section. on 29.11.2024 at 10:30 am
Company Name	VASANTDADA SUGAR INSTITUTE PUNE
Company Profile	VSI established in 1975 by the sugarcane growers of the co-operative sugar factories, is the only organization of its kind in the World. The institute performs under one umbrella all scientific, technical and educational functions relevant to the Sugar Industry. The institute endeavour to improve and increase the productivity in the Sugar Industry through three main channels namely - Academics, Research and Extension. VSI symbolizes a unique partnership between Sugar Industry, the Scientific Community and the Cane Growers.
Name of the Post*	Scientific Officer (4 Posts)
Name of Department*	Tissue Culture Section
Remuneration	Consolidated Rs.50,000/- pm (These Posts are Purely on Contractual basis for a period of 2 years)
Job Profile*	<u>For Scientific Officer Product Development: -</u> <ul style="list-style-type: none">• Assist in synthesizing and characterization of different biostimulator derivatives/ nanoconjugates• Assist to optimize methods for commercial production of biopolymer derivatives• Assist in production and supply of biostimulator derivatives• Must have sound knowledge in Nano biotech product development <u>For Scientific Officer Product Evaluation : -</u> <ul style="list-style-type: none">• Help in Bio-analytical quantization and Metabolite Identification using High Tech Equipmental methods. (Demonstrate technical capabilities particularly with FTIR, DLS, LC-MS-MS, HPLC, NMR etc. Experience Characterization of the biopolymer derivatives. Proven ability to maintain and troubleshoot analytical equipment.)• Develop high throughput bio- analytical methods using HPLC/LC-MS-MS, Troubleshooting of methods and instruments along with the evaluation, interpretation and distribution of bio-analytical results.

- Analysis of experimental/ field trial samples for biochemical as well as molecular analysis.
- Develop suitable methods for quality control measures in biostimulator production work
- Overall monitoring Quality Control of the biostimulator production.
- Help the lab in-charge for implementation of projects
- Analysis of experimental/ field trial samples for biochemical as well as molecular analysis.

3. Scientific Officer -Sugarcane Micropropagation - Laboratory Management

- Development of protocol for in vitro propagation of sugarcane and other plants
- Screening of mother cultures with ELISA/ PCR/ Molecular Markers for disease diagnosis and genetic fidelity
- Overall monitoring Quality Control of the commercial production of micropropagated plantlets in sugarcane in laboratory
- Overall monitoring production and distribution of TC plantlets.
- Visit sugar mills for recording trial observations / farmers' fields for observing performance of micropropagated plantlets

4. Scientific Officer (Sugarcane Micropropagation - Green House Management)

- Development of protocol for acclimatization of vitro sugarcane and other crop plants in green houses
- Screening of TC plants in primary and secondary hardening with ELISA/ PCR/ Molecular Markers for disease diagnosis and genetic fidelity
- Manage greenhouse operations for commercial production of micropropagated plantlets in sugarcane.
- Overall monitoring the hardening and distribution of TC plantlets.
- Visit sugar mills for recording trial observations / farmers' fields for observing performance of micropropagated plantlets



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Qualification*	<p>1. <u>Scientific Officer Product Development</u> M.Sc Agri./ M.Tech/ or MSc(Biotechnology/ Plant Physiology/ Biotechnology / Agri. Botany/Botany/ Biochemistry/ Microbiology/ Nanotechnology with 3 years analysis experience. Candidate with Ph.D. having good expertise will be preferred</p> <p>2. <u>Scientific Officer Product Evaluation</u> M.ScAgri or MSc. Biotechnology/ Plant Physiology/ Biochemistry/ Agri. Botany/Botany/ Biochemistry with 3 years analysis experience or candidate with Ph..D.having good experience will be preferred</p> <p>3. <u>Scientific Officer -Sugarcane Micropropagation Laboratory Management</u> M.Sc. Biotechnology/ Agri. Biotechnology / or M. Sc. Botany Botany/ Biochemistry with 3 years R & D experience in management of greenhouses hardening tissue culture plants in commercial Tissue Culture laboratory green houses. Candidate having sound experience in commercial tissue culture laboratory</p> <p>4. <u>Scientific Officer (Sugarcane Micropropagation Green House Management</u> M.Sc. Biotechnology/ Agri. Biotechnology / or M. Sc. Botany/ Biochemistry with 3 years R & D experience in management of greenhouses forhardening tissue culture plants in commercial Tissue Culture laboratory green houses. Candidate having sound experience in commercial tissue culture laboratory Must have sound experience in development of protocol for acclimatization of vitro sugarcane and other crop plants in green houses, screening of TC plants in primary and secondary hardening with ELISA/ PCR/ Molecular Markers for disease diagnosis and genetic fidelity, manage greenhouse operations for commercial production of micropropagated plantlets in sugarcane, Overall monitoring the hardening and distribution of TC plantlets, recording trial observations / farmers' fields for observing performance of micropropagated plantlets</p>
Experience*	Minimum 3 years experience in the desired field
Age Limit	Not more than 35 years
Ref. No.	08.11.2024
Location*	Generally by default is 'Pune' and 'Anywhere in Maharashtra'



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Terms & Conditions*	<ul style="list-style-type: none">• These posts are purely on temporary contractual basis for a period of 2 years.• If the performance of the selected candidate found outstanding during contractual period preference will be given to him/her while recruiting regular position.• TA or DA will be not given to the candidates appear for interview by the Institute.• Applications with requisite qualification, experience received by post or by hand to VSI.• The decision of the Selection Committee of the Institute will be final.• Institute reserves the rights to fill or cancel any post or all posts without assigning any reasons thereof.• For location of VSI, see <u>Location/ map</u>.
Details of mode of application Submission*	Walk-in-interview will be held on 29.11.2024 at Tissue Culture Section at 10:30 am
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Web-mail*	
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Keywords*	Biopolymers , Nanoparticles, Crop Improvement, , Stress tolerance,

Director General