Date: 03/11/2026

Walk in/Virtual interview for the position of
Senior Research Fellow (SRF)

Project ID:		**N/E/FST/2025/0156**
Project Title		Evaluation of Partially Hydrolysed Guar Gum (PHGG) Based Composite Flour on Glycaemic and Metabolic Health: In Vitro, Ex Vivo, and In Vivo Investigations in Dyslipidemic Diabetic Rodent Models
Designation		Senior Research Fellow (SRF)
Number of Positions		One (1)
Duration		6 months
Emoluments per Month		42,000+10 % HRA or co-terminus with the project, whichever is earlier
Age Limit		Maximum 35 years (relaxation of 5 years for women/SC/ST/OBC/differently abled as per the govt. of India Rules).
Essential Qualifications		Master's degree in Food Technology, Biotechnology, Toxicology and other allied sciences.
Desirable Qualifications		- PhD in the mentioned discipline and publications in peer-reviewed journals - Laboratory Animal handling and hands-on experience in working with in-vivo and ex-vivo models. - Minimum 2 years of experience working on a similar kind of project. - Good knowledge of handling MS Office and statistical analysis tools will be preferred - Good communication skills, preferably Hindi and English.
Roles and Responsibilities		- **Product Development & Characterisation** – Prepare composite flours and food prototypes with partially hydrolysed guar gum; conduct physicochemical and nutritional analyses. - **Analytical Techniques** – Perform laboratory characterisation using FTIR, DSC, GPC, solubility/viscosity tests, fibre content, and prebiotic index evaluation. - **Shelf-life & Sensory Studies** – Conduct texture analysis, sensory evaluation (hedonic scale), and monitor shelf-life under ambient and accelerated conditions. - **In Vitro & Ex Vivo Assays** – Carry out enzyme inhibition assays, glycaemic index evaluation, cell culture studies (glucose uptake, insulin signalling, antioxidant activity), and intestinal loop/everted sac models.

		- **In Vivo Animal Studies Induction** of diabetes in animal models, monitoring metabolic parameters (blood glucose, insulin, lipid profile, HbA1c), and assisting in histological and biochemical analyses. - **Documentation & Reporting** – Maintain detailed records of experiments, prepare data reports, and contribute to publications and project deliverables.

General Information:

1. The interview will be held on **09 November 2026 (Monday)** from **10:00 AM** onwards at the **DMR, NIFTEM-Kundli**.
2. No TA/DA will be provided to candidates for attending the interview.
3. Candidates should appear for the interview with their original certificates and other relevant documents.

How to Apply:

1. **Candidates must indicate their preference for a physical/virtual interview through the Google Form link https://forms.gle/iH3HzmcZZRvgXDtk7 with their updated CV in PDF format only with the file name [FullName_cv]**