



राष्ट्रीय खाद्य प्रौद्योगिकी उद्यमशीलता एवं प्रबंधन संस्थान, कुंडली, सोनीपत
National Institute of Food Technology Entrepreneurship and Management,
Kundli, Sonapat
(खाद्य प्रसंस्करण उद्योग मंत्रालय, भारत सरकार के अंतर्गत राष्ट्रीय महत्व का संस्थान)
(An Institute of National Importance under the Ministry of Food Processing Industries, Govt. of India)

Date: 22/09/2026

Applications are invited 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, Food Science and Nutrition, Food and Nutrition, Biochemistry, 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.
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General Information:

1. Only short-listed candidates will be called for an interview.
2. No TA/DA will be provided to candidates for attending the interview.
3. The date and time of the interview will be communicated to the candidates via email only.
4. Candidates should appear for the interview with their original certificates and other relevant documents.

How to Apply:

Interested candidates should fill the application form on or before **02/10/2026** using the link <http://career.droniftem.com/>, with enclosed scanned self-attested supporting documents.

For any query, please write an **e-mail** to croprojectniftem@gmail.com