National Institute of Food Technology Entrepreneurship and Management
An Institute of National Importance, Ministry of Food Processing Industries, Government of India, Plot No. 97, Sector 56, HSIIDC Industrial Estate, Kundli, District - Sonipat, Haryana - 131028

Date: 02/12/2025

Applications are invited for the Contractual 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 and Emoluments per Month	One (01) year (Extension based on performance): 42,000+10 % HRA or co-terminus with the project whichever is earlier
Essential Qualifications	- Master's degree in Food Technology, Food Science and Nutrition, Food and Nutrition, public health and other allied sciences.
Desirable Qualifications	- PhD in the mentioned discipline and publications in peer reviewed journals - Laboratory Animal handing and hands on experience in working with in vivo and ex-vivo models - Minimum 2 years of experience working in handling 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.
Age Limit	Maximum 35 years (relaxation of 5 years for women/SC/ST/OBC/differently abled as per the govt. of India Rules).
Roles and	- **Product Development & Characterization** – Prepare

Dr. Dinesh Chauhan

Responsibilities	composite flours and food prototypes with partially hydrolysed guar gum; conduct physicochemical and nutritional analyses. - **Analytical Techniques** – Perform laboratory characterization using FTIR, DSC, GPC, solubility/viscosity tests, fiber 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 signaling, antioxidant activity), and intestinal loop/everted sac models. - **In Vivo Animal Studies** – Induction of diabetes in animal models, monitor metabolic parameters (blood glucose, insulin, lipid profile, HbA1c), and assist 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 position is purely on contractual basis
2. Only short-listed candidates will be called for an interview.
3. No TA/DA will be provided to candidates for attending the interview.
4. The date and time of the interview will be communicated to the candidates via email only.
5. Candidates should appear for the interview with their original certificates and other relevant documents.
6. Candidates are advised to keep checking email for any change in date/time of interview

How to Apply:

Interested candidates should fill the application form on or before **12 December 2025** using the webpage at http://career.droniftem.com with enclosed scanned self-attested supporting documents. For any query, please write an **e-mail** to croprojectniftem@gmail.com.