

Objective: To characterize the changes in starch - protein matrix as a consequence of milling using Scanning Electron Microscopy (SEM).

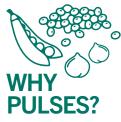


## WHY MILLING

Milling determines particle size, starch damage and the overall protein starch matrix in flours

These properties affect the functional and nutritional quality

To increase utilization of pulses, characterization of their flours is important



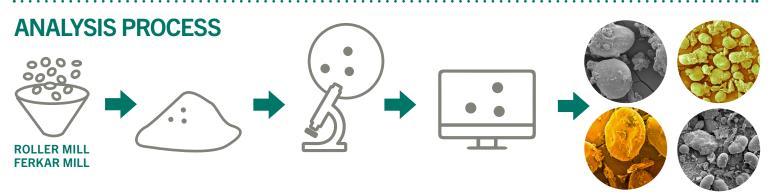
Ethical and sustainable source of protein

Reduces Cardiovascular Diseases

Important source of micronutrients

Helps with weight management

Builds muscles



Pulse photos created by luis\_molinero - www.freepik.com, Microscope vector created by alvaro\_cabrera - www.freepik.com

- RESEARCH LEAD: Jitendra Paliwal, Biosystems Engineering, University of Manitoba. Content by Chitra Sivakumar (MSc student).
- DIG DEEPER! Podcast: Increasing consumption of pulses through optimal storage, milling and processing.



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