



***MS Project Final Presentation***  
Advisor: Dr. Rossana Villa Rojas

**Rachana Police**

April 25, 2025

9:00 am

FIC 277

Zoom link: <https://unl.zoom.us/j/92281861744>

**“Quality Attribute of Cumin Seeds After Treating with  
Radiofrequency Over Storage”**

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I am Rachana Police, a master’s student in Food Science and Technology at the University of Nebraska-Lincoln. My research focuses on evaluating the quality attributes of cumin seeds after radiofrequency treatment over storage, analyzing key parameters such as moisture content, water activity, total color difference, antioxidant activity, volatile compounds, and microbial quality. I have hands-on experience in food safety, quality assurance, and regulatory compliance through my internship at Michael Foods and my work at the UNL Food Processing Center’s Dairy Plant. Additionally, I hold a bachelor’s degree in Applied Nutrition, which has strengthened my understanding of food science and its impact on human health.