Fellowship Profile

Food Safety

TRAINING SUMMARY

During my training at the University of Nebraska, Lincoln, I gained invaluable hands-on experience with Cosmic Ray Neutron Sensor (CRNS) technology. I mastered essential techniques for data collection, correction, and calibration, all critical for accurate soil moisture assessment. Under the expert guidance of Professor Trenton Franz, I delved into innovative methods for integrating CRNS data with remote sensing technologies, enabling more detailed spatial and temporal analysis of soil water content. This experience not only provided me with a solid technical foundation but also introduced me to global best practices, equipping me to advance soil water content research in meaningful ways.

WHATS NEXT?

Upon returning to Malaysia, my focus is to establish a CRNS-based soil water content research program tailored to the country's unique agricultural and environmental needs. This advanced technology will enable precise soil moisture data collection, helping local farmers optimize irrigation strategies and boost crop yields sustainably. I also plan to collaborate with international experts I connected with during the training, ensuring Malaysia stays at the cutting edge of agricultural innovation. Through these efforts, I aim to enhance the resilience and productivity of the agricultural sector, contributing to the nation's food security and environmental sustainability.

"My training at the University of Nebraska, Lincoln, provided invaluable hands-on experience... equipping me with the skills and global insights to advance agricultural research and practices in Malaysia."

Mohamad Syafiq Mohd Amin - Malaysia

February 26th to March 22nd 2024   **Hosted by: University of Nebraska**