NUS National University of Singapore | Department of Biological Sciences, Faculty of Science

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SEMINAR

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Hosted by Assist. Prof Chae Eunyoung

Introduction of Nagoya University and my research about deep learning approach to predict the plant growth and post-harvest evaluation by spectroscopic method

By **Tetsuya Inagaki**

Graduate School of Bioagricultural Sciences, Nagoya University, Japan

This presentation outlines the historical background of the Graduate school of bioagricultural science, Nagoya University and expresses an interest in seeking collaborative research opportunities. Graduate school of bioagricultural science Nagoya University, with its longstanding history and prominence in the field, offers an ideal environment for academic growth and collaboration.

The presentation further introduces the author's research, which is a pioneering venture into harnessing the capabilities of deep learning to predict plant growth and perform post-harvest evaluations using a spectroscopic method. This innovative research endeavors to revolutionize agricultural practices, bridging the gap between advanced technologies and traditional farming. By applying deep learning algorithms to spectral data, the research aims to develop more efficient and precise methods to forecast plant growth and post-harvest quality.

About the Speaker

Associate Professor Tetsuya Inagaki has started his career as an Assistant Professor at the Graduate School of Bioagricultural Sciences, Nagoya University, Japan since year 2011. His work focuses on Wood Sciences, NIR spectroscopy, Chemometorics, THz time domain spectroscopy, Machine learning and AI who works on plants.

He was the recipient of NIR advanced award from Japan Council for Near Infrared Spectroscopy in year 2013. In year 2019, he also won the Japan wood research society award.