POSTER

P1 **Monitoring moisture content of house crickets during the drying process using near-infrared spectroscopy**

Pitiporn Ritthiruangdej, Arisara Hiriotappa, Patcharanun Suksangpanomrung

P2 **Starch detection in fresh banana fruit with 785 nm Raman system**

Shusaku Nakajima, Shinichiro Kuroki, Akifumi Ikehata

P3 **Fluorescence Hyperspectral Imaging for Early Detection of Heat-stressed Ginseng Plants**

Mohammad Akbar Faqeerzada, Eunsoo Park, and Byoung-Kwan Cho

P4 **The effect of calibration transfer from a master to a slave instrument to predict water content in biodiesel**

Krairuek Ngowsuwan, Sumaporn Kasemsumran, Sunee Jungtheerapanich and Kanyarat Nitee

P5 **Simulation study for interpretation of PCA loading spectra**

Takuma Genkawa, Akifumi Ikehata

P6 **Deep learning for quantitative analysis of near-infrared spectra**

Chaoshu Duan, Xuyang Liu, Wensheng Cai, Xueguang Shao

P7 **SupAE for Extracting Category-related Information from Hyperspectral Images**

Xuyang Liu, Chaoshu Duan, Wensheng Cai, Xueguang Shao

P8 **Comparison of benchtop and handheld NIR devices to determine fruit wine fermenting parameters**

Sumaporn Kasemsumran, Antika Boondaeng, Kraireuk Ngowsuwan, Sunee Jungtheerapanich, Bussaba Punyachon, Sirimada Mongkolwit, Kanyarat Nitee, Waraporn Apiwatanapiwat, Phornphimon Janchai, Pilanee Vaithanomsat

P9 **Variable moving window-standard normal variable method for NIR spectroscopy**

Kunping Chi, Jiarui Lin, Junjie Chen, Yiming Chen, Min Chen, Tao Pan

P10 **A model compensation fusion method for NIR spectral pattern recognition**

Tao Pan*, Lu Yuan, Niangen Ye, Sheng Zhong

P11 **Quantitative determination of protein in a swiftlet nest by using near-infrared spectroscopy**

Sunee Jungtheerapanich, Kraireuk Ngowsuwan, Bussaba Punyachon, Sirimada Mongkolwit, Kanyarat Nitee, Sumaporn Kasemsumran

relationships between metabolites

Miho Sesumi, Akifumi Ikehata

P25 **Study on gelatinization of starches and amylose-amylopectin mixture by NIR and IR spectroscopy**

Norihisa Katayama and Mayumi Kuwano

P26 **Nondestructive identification of benzoyl peroxide particles in wheat flour using SWIR hyperspectral imaging**

Ji-won Choi, Geonwoo Kim

P27 **Study on the Dissolution Mechanism of Cellulose in NMMO Aqueous Solution by NIR**

Rong Zhu, Zhipeng Li, Chunfeng Sun, Hongfu Yuan, Xiaoyu Li

P28 **A study on the method of measuring microplastic standard samples using FT-IR imaging**

Eunsoo Park, Jeehwa Hong, Gwanghee Lee, Sunghie Hong