[TuAM-03] Analytical Raman Techniques / Instrumentations-04

Date / Time	Aug. 28 (Tue.), 2018 / 10:00-12:00
Place	Halla B (Room B)

[TuAM-03-I-1] (Invited) **10:00-10:20**

Separation-Guided Resolution of Spectral Signatures Using Two-Dimensional Correlation Analysis

Ye Li[1], Claudiu Brumaru[1], Yeonju Park[2], Young Mee Jung[2], and M. Lei Geng[1]

[1]University of Lowa, USA, [2]Kangwon National University, Korea

[TuAM-03-I-2] (Invited) **10:20-10:40**

Utilizing Ultralow-Frequency Raman Spectra To Reveal Biomolecular Structure and Intracellular Environment

Shinsuke Shigeto

Kwansei Gakuin University, Japan

[TuAM-03-O-3] **10:40-10:55**

Essential oils of *Alpinia Roxb* in Situ Research with Raman

SI Min-zhen[1,2], LI Jia-wang[1,2], YANG Yong-an[1,2], ZHANG De-qing[1,2], LI Lun[1,2], and ZHANG Chuan-yun[1,2]

Jiangnan University, China

[TuAM-03-O-4] **10:55-11:10**

Raman Spectroscopy as a Sensitive Probe for Qualitative and Quantitative Evaluation of Genetically Enhanced Production of Lipid Bodies

Kamila Kochan, Huadong Peng, Bayden Wood, and Victoria Haritos

Monash University, Australia

[TuAM-03-O-5] **11:10-11:25**

Formation of "Nano-ice" in Low-Temperature Liquid Water as Revealed by Multivariate Hyperspectral Analysis of Temperature Determined Raman Spectra

Hajime Okajima[1,3], Masahiro Ando[2,3], and Hiro-o Hamaguchi[4,5]

[1]Aoyama Gakuin University, Japan, [2]Waseda University, Japan, [3]JST, Japan, [4]National Chiao-Tung University, Taiwan, [5]Spectroscopic Science Laboratory Co., Japan

[TuAM-03-K-6] (Keynote) **11:25-11:55**

Two-Dimensional Raman Correlation Spectroscopy Study of Bioplastics

Isao Noda[1,2], D. Bruce Chase[1], and John F. Rabolt[1]

[1]University of Delaware ,USA, [2]Danimer Scientific, USA