

## SFC Asia 2017 Poster Program

1. **Determination of 7 Kinds of Vitamins in Baby Rice Cereal by Online SFE-SFC-MS System**, Feng Ji<sup>1</sup>, X. Zheng<sup>1</sup>, Y. Li<sup>1</sup>, T. Huang<sup>2</sup> <sup>1</sup>Shimadzu (China) Co., LTD, Beijing, China, <sup>2</sup>Shimadzu (China) Co. LTD, Shanghai, China
2. **Development of the Multifunctional-Unified-Chromatography System and its Application to the Online Analysis of Pesticides**, Zhong Qisheng, Shimadzu (China) Co., LTD, Guangzhou, China
3. **Determination of Aroma Components in Vanilla Pods by Online SFE-SFC System**, Liu Jiaqi<sup>1</sup>, L. Shen<sup>1</sup>, Q. Zhong<sup>1</sup>, D. Yu<sup>1</sup>, S. Li<sup>1</sup>, Z. Li<sup>1</sup>, D. Xin<sup>1</sup>, J. Yao<sup>1</sup>, T. Huang<sup>2</sup>, <sup>1</sup>Shimadzu (China) Co., LTD, Guangzhou, China, <sup>2</sup>Shimadzu (China) Co. LTD, Shanghai, China
4. **Simultaneous Synthesis and Extraction of Diacetin Using Ionic Liquid Supported on Silica Gel in SC Carbon Dioxide**, Marzieh Rezayat<sup>1,2</sup>, L. Khazdooz<sup>3</sup>, H.S. Ghaziaskar<sup>2</sup>, A.R. Hajipour<sup>2</sup>, <sup>1</sup>Arfa Iron & Steel Co., Yazd, Iran, <sup>2</sup>Isfahan University of Technology, Isfahan, Iran, <sup>3</sup>Islamiz Azad University, Isfahan, Iran
5. **Determination of Nonylphenol Polyethoxylates by Supercritical Fluid Chromatography-Tandem Triple Quadrupole Mass Spectrometry**, Xin Zheng<sup>1</sup>, Z. Jiang<sup>2</sup>, Y. Li<sup>1</sup>, T. Huang<sup>1</sup>, <sup>1</sup>Shimadzu (China) Co., LTD, Beijing, China, <sup>2</sup>Chinese Academy of Agricultural Science, Beijing, China
6. **Analysis with Supercritical Fluids – an Application of Online SFE-SFC System for Carotenoid Analysis**, Zhang Lin, N. Hamada, Y. Hashi, S. Yamaki, Shimadzu (China) Co., LTD, Beijing, China
7. **A Novel Approach to the Analysis of Multi-Schizandrin in *Schisandra chinensis* by Online Supercritical Fluid Extraction-Supercritical Fluid Chromatography**, Li Qiang, H. Hao, T. Huang, Y. Hashi Shimadzu (China) Co., LTD, Shanghai, China
8. **Chiral and achiral separation of amphetamine-type stimulants by supercritical fluid chromatography/tandem mass spectrometry aimed for methamphetamine impurity profiling**, Hiroki Segawa, Y. Iwata, T. Yamamuro, K. Kuwayama, K. Tsujikawa, T. Kanamori, H. Inoue, National Research Institute of Police Science, Chiba, Japan
9. **Fat-Soluble Vitamin Analysis by online SFE-SFC-MS/MS**, Kenichiro Tanaka<sup>1</sup>, Y. Funada<sup>1</sup>, I. Singh<sup>1</sup>, R. Gonzales<sup>2</sup>, <sup>1</sup>Shimadzu Corporation, <sup>2</sup>ConAgra Foods, Inc.
10. **Analysis of PAHs in Soil by Online SFE-SFC-MS/MS**, Keiko Matsumoto<sup>1</sup>, Y. Funada<sup>1</sup>, A. P. Wicker<sup>2</sup>, D. D. Carlton, Jr.<sup>2</sup>, K. A. Schug<sup>2</sup>, <sup>1</sup>Shimadzu Corporation, <sup>2</sup>University of Texas at Arlington
11. **Research into the Retention Mechanism of SFC**, Daniel Keck<sup>1</sup>, T. Hirose<sup>1</sup>, Y. Izumi<sup>2</sup>, T. Bamba<sup>2</sup>, <sup>1</sup>Nacalai Tesque, Inc., Kyoto, Japan, <sup>2</sup>Kyushu University, 2Fukuoka, Japan
12. **The Certified Reference Material of Poly(ethylene glycol) with a single degree of Polymerization Separated by SFC**, Kayori Takahashi<sup>1</sup>, S. Kinugasa<sup>1</sup>, H. Sakurai<sup>1</sup>, Y. Horikawa<sup>2</sup>, H. Kitazawa<sup>2</sup>, M. Bounoshita<sup>2</sup>, <sup>1</sup>National Metrology Institute of Japan, Ibaraki, Japan, <sup>2</sup>JASCO Corporation, Tokyo, Japan
13. **The Use of Online SFE-SFC/MS/MS to Analyze Disease Biomarkers in Dried Serum Spots**, Makoto Suzuki<sup>1</sup>, S. Nishiumi<sup>1</sup>, T. Kobayashi<sup>1</sup>, Y. Iwata<sup>2</sup>, T. Uchikarta<sup>2</sup>, Y. Izumi<sup>3,4</sup>, T. Bamba<sup>3,4</sup>, M. Yoshida<sup>1,5,6</sup>, <sup>1</sup>Division of Gastroenterology, Kobe University, <sup>2</sup>Shimadzu Corporation, <sup>3</sup>Kyusu University, <sup>4</sup>Osaka University, <sup>5</sup>Division of Metabolomics Research Kobe University, <sup>6</sup>AMED-CREST

14. **Orthogonal Chromatographic Separations by a SFC-LC Hybrid System with Excellent Performance in Both Modes**, Edgar Naegele, Agilent Technologies, Waldbronn, Germany
15. **Application of Similar Structural Compounds Separation Using the LC/SFC Switching System (Nexera UC/s)**, Takato Uchikata, K. Matsumoto, Y. Funada, Shimadzu Corporation
16. **High Sensitive and Comprehensive Detection for Chiral Separation of Pesticides Using SFC-CD-MS**, Satoe Iijima, Y. Kondo, T. Kanomata, M. Bounoshita, Y. Sato, M. Kuwajima, JASCO, Tokyo, Japan
17. **Development of a Novel Analytical Method for Polycyclic Aromatic Hydrocarbons in Coffee Beverages and Dark Beer Using Supercritical Fluid Chromatography/Mass Spectrometry**, Toshiaki Yoshioka<sup>1,2</sup>, Y. Nagatomi<sup>1</sup>, K. Harayama<sup>1</sup>, T. Bamba<sup>2</sup>, <sup>1</sup>Asahi Group Holdings, LTD, <sup>2</sup>Kyushu University
18. **Development of New Polymer-Based Column for Supercritical Fluid Chromatography**, Yuka Fujito, Y. Hayakawa, Shimadzu Corporation, Kyoto, Japan
19. **SFC Analytical Method Development for Vitamin D3 and Related Compounds**, J. Kawabata<sup>1</sup>, R. Spagele<sup>2</sup>, Saoko Nozawa<sup>1</sup>, T. Adachi<sup>1</sup>, N. Kuroda<sup>1</sup>, <sup>1</sup>YMC Co. LTD, <sup>2</sup>DSM Nutritional Products
20. **Macro-Cyclone Separators for High Purity and High Recovery in Open-Bed Preparative SFC**, DJ Tognarelli<sup>1</sup>, J. Burchell<sup>1</sup>, S. Iijima<sup>2</sup>, T. Moteki<sup>2</sup>, A. Tsukamoto<sup>2</sup>, M. Bounoshita<sup>2</sup>, Y. Sato<sup>2</sup>, M. Kuwajima<sup>2</sup>, <sup>1</sup>JASCO Incorporated, Easton, MD, USA, <sup>2</sup>JASCO Corporation, Tokyo, Japan
21. **Parallel SFC for Rapid Chiral and Achiral Analytical and Semi-Preparative Analysis**. DJ Tognarelli<sup>1</sup>, J. Burchell<sup>1</sup>, S. Iijima<sup>2</sup>, S. Iijima<sup>2</sup>, T. Moteki<sup>2</sup>, A. Tsukamoto<sup>2</sup>, M. Bounoshita<sup>2</sup>, Y. Sato<sup>2</sup>, M. Kuwajima<sup>2</sup>, <sup>1</sup>JASCO Incorporated, Easton, MD, USA, <sup>2</sup>JASCO Corporation, Tokyo, Japan
22. **Extension of Practicality of SFE-SFC/MS By Integrating a Novel Splitter**, Miho Sakai<sup>1,2</sup>, Y. Hayakawa<sup>3</sup>, Y. Funada<sup>3</sup>, Y. Ichiki<sup>4</sup>, T. Ando<sup>4</sup>, E. Fukusaki<sup>1</sup>, T. Bamba<sup>5</sup>, <sup>1</sup>Department of Biotechnology, Osaka University, <sup>2</sup>Miyazaki Agricultural Research Institute, <sup>3</sup>Shimadzu Corporation, <sup>4</sup>General Incorporated Association Food Research Organization, <sup>5</sup>Division of Metabolomics Medical Institute of Bioregulation
23. **Comprehensive Analysis of Ceramide Species in the Human Stratum Corneum by SFC/MS/MS using Few Ceramide Standard Varieties**, Eisuke Kato<sup>1,2</sup>, Y. Izumi<sup>1</sup>, T. Bamba<sup>1</sup>, <sup>1</sup>Medical Institute of Bioregulation, Kyusu Univesity, Fukuoka, Japan, <sup>2</sup>Fundamental Research Laboratories, KOSE Corporation, Tokyo, Japan
24. **Automated Method Development for SFC Chiral Separations**, Kazuhide Konishi, S. Galushko, ChrowSword Japan Co., Ltd.
25. **Retention Characteristics of Fatty Acids and Acylglycerols by SFC**, Hidetoshi Terada<sup>1</sup>, K. Matsumoto<sup>1</sup>, Y. Funada<sup>1</sup>, T. Yamaguchi<sup>1</sup>, Y. Izumi<sup>2</sup>, T. Bamba<sup>2</sup>, <sup>1</sup>Shimadzu Corporation, <sup>2</sup>Kyushu University
26. **Development of Synthetic Polymer Based Novel SFC Stationary Phases**, Kanji Nagai<sup>1</sup>, S. Shinkura<sup>1</sup>, T. Shibata<sup>1</sup>, Y. Yoshimoto<sup>2</sup>, A. Ohnishi<sup>2</sup>, <sup>1</sup>Daicel Corporation, Himeji, Japan, <sup>2</sup>Daicel Corporation, Myoko, Japan
27. **Evaluation of Retention Behavior and Separation of Pesticides In Reversed Phase Packed Column SFC**, Yoshihiro Izumi, M. Nakao, M. Takahashi, T. Bamba, Medical Institute of Bioregulation, Kyushu University, Fukuoka, Japan
28. **Estimation of Solubilities of Cr(acac)<sub>3</sub> in Supercritical Carbon Dioxide by Supercritical Fluid Chromatography**, Minoru Yamamoto<sup>1</sup>, J. Sakabe<sup>1</sup>, M. Taguchi<sup>1</sup>, T. Funazukuri<sup>1</sup>, C.Y. Kong<sup>2</sup>, <sup>1</sup>Department of Applied Chemistry, Faculty of Science and Engineering, Chuo University, Tokyo, Japan, <sup>2</sup>Department of Materials Science and Chemical Engineering, Faculty of Engineering, Shizuoka University, Hamamatsu, Japan
29. **Determination of Adsorption Rate Parameters by Supercritical Fluid Chromatography for Chiral Separation**, Kosei Yonezawa, J. Sakabe, T. Funazukuri, Department of Applied Chemistry, Faculty of Science and Engineering, Chuo University, Tokyo, Japan

30. **Supercritical Fluid Chromatography on Chiral Separation of Enantiomeric Drugs in Human Plasma with MS/MS Detection**, Yoshiyuki Watabe, Y. Hayakawa, S. Kawano, T. Iida, T. Hattori, Y. Fujito, Shimadzu Corporation
31. **Software-Assisted Method Development for Illicit Synthetic Colorants Separations On Supercritical Fluid Chromatography**, Kyoko Yasuda<sup>1</sup>, K. Konishi<sup>2</sup>, A. Kori<sup>1</sup>, H. Sawada<sup>1</sup>, <sup>1</sup>Agilent Technologies, Japan, Ltd., <sup>2</sup>ChromSword Japan Co. Ltd.