

SFC Asia 2017 Poster Program

1. **Determination of 7 Kinds of Vitamins in Baby Rice Cereal by Online SFE-SFC-MS System**, Feng Ji¹, X. Zheng¹, Y. Li¹, T. Huang² ¹Shimadzu (China) Co., LTD, Beijing, China, ²Shimadzu (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 Jiaqi¹, L. Shen¹, Q. Zhong¹, D. Yu¹, S. Li¹, Z. Li¹, D. Xin¹, J. Yao¹, T. Huang², ¹Shimadzu (China) Co., LTD, Guangzhou, China, ²Shimadzu (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^{1,2}, L. Khazdooz³, H.S. Ghaziaskar², A.R. Hajipour², ¹Arfa Iron & Steel Co., Yazd, Iran, ²Isfahan University of Technology, Isfahan, Iran, ³Islamiz Azad University, Isfahan, Iran
5. **Determination of Nonylphenol Polyethoxylates by Supercritical Fluid Chromatography-Tandem Triple Quadrupole Mass Spectrometry**, Xin Zheng¹, Z. Jiang², Y. Li¹, T. Huang¹, ¹Shimadzu (China) Co., LTD, Beijing, China, ²Chinese 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 Tanaka¹, Y. Funada¹, I. Singh¹, R. Gonzales², ¹Shimadzu Corporation, ²ConAgra Foods, Inc.
10. **Analysis of PAHs in Soil by Online SFE-SFC-MS/MS**, Keiko Matsumoto¹, Y. Funada¹, A. P. Wicker², D. D. Carlton, Jr.², K. A. Schug², ¹Shimadzu Corporation, ²University of Texas at Arlington
11. **Research into the Retention Mechanism of SFC**, Daniel Keck¹, T. Hirose¹, Y. Izumi², T. Bamba², ¹Nacalai Tesque, Inc., Kyoto, Japan, ²Kyushu University, 2Fukuoka, Japan
12. **The Certified Reference Material of Poly(ethylene glycol) with a single degree of Polymerization Separated by SFC**, Kayori Takahashi¹, S. Kinugasa¹, H. Sakurai¹, Y. Horikawa², H. Kitazawa², M. Bounoshita², ¹National Metrology Institute of Japan, Ibaraki, Japan, ²JASCO Corporation, Tokyo, Japan
13. **The Use of Online SFE-SFC/MS/MS to Analyze Disease Biomarkers in Dried Serum Spots**, Makoto Suzuki¹, S. Nishiumi¹, T. Kobayashi¹, Y. Iwata², T. Uchikarta², Y. Izumi^{3,4}, T. Bamba^{3,4}, M. Yoshida^{1,5,6}, ¹Division of Gastroenterology, Kobe University, ²Shimadzu Corporation, ³Kyusu University, ⁴Osaka University, ⁵Division of Metabolomics Research Kobe University, ⁶AMED-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^{1,2}, Y. Nagatomi¹, K. Harayama¹, T. Bamba², ¹Asahi Group Holdings, LTD, ²Kyushu 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. Kawabata¹, R. Spagele², Saoko Nozawa¹, T. Adachi¹, N. Kuroda¹, ¹YMC Co. LTD, ²DSM Nutritional Products
20. **Macro-Cyclone Separators for High Purity and High Recovery in Open-Bed Preparative SFC**, DJ Tognarelli¹, J. Burchell¹, S. Iijima², T. Moteki², A. Tsukamoto², M. Bounoshita², Y. Sato², M. Kuwajima², ¹JASCO Incorporated, Easton, MD, USA, ²JASCO Corporation, Tokyo, Japan
21. **Parallel SFC for Rapid Chiral and Achiral Analytical and Semi-Preparative Analysis**. DJ Tognarelli¹, J. Burchell¹, S. Iijima², S. Iijima², T. Moteki², A. Tsukamoto², M. Bounoshita², Y. Sato², M. Kuwajima², ¹JASCO Incorporated, Easton, MD, USA, ²JASCO Corporation, Tokyo, Japan
22. **Extension of Practicality of SFE-SFC/MS By Integrating a Novel Splitter**, Miho Sakai^{1,2}, Y. Hayakawa³, Y. Funada³, Y. Ichiki⁴, T. Ando⁴, E. Fukusaki¹, T. Bamba⁵, ¹Department of Biotechnology, Osaka University, ²Miyazaki Agricultural Research Institute, ³Shimadzu Corporation, ⁴General Incorporated Association Food Research Organization, ⁵Division 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^{1,2}, Y. Izumi¹, T. Bamba¹, ¹Medical Institute of Bioregulation, Kyusu Univesity, Fukuoka, Japan, ²Fundamental 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 Terada¹, K. Matsumoto¹, Y. Funada¹, T. Yamaguchi¹, Y. Izumi², T. Bamba², ¹Shimadzu Corporation, ²Kyushu University
26. **Development of Synthetic Polymer Based Novel SFC Stationary Phases**, Kanji Nagai¹, S. Shinkura¹, T. Shibata¹, Y. Yoshimoto², A. Ohnishi², ¹Daicel Corporation, Himeji, Japan, ²Daicel 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)₃ in Supercritical Carbon Dioxide by Supercritical Fluid Chromatography**, Minoru Yamamoto¹, J. Sakabe¹, M. Taguchi¹, T. Funazukuri¹, C.Y. Kong², ¹Department of Applied Chemistry, Faculty of Science and Engineering, Chuo University, Tokyo, Japan, ²Department 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 Yasuda¹, K. Konishi², A. Kori¹, H. Sawada¹, ¹Agilent Technologies, Japan, Ltd., ²ChromSword Japan Co. Ltd.