

SFC China 2015 Poster Program

1. **Enantiomeric and Diastereomeric Separations of Fragrance and Essential Oil Components using the ACQUITY UPC<sup>2</sup> System with ACQUITY UPC<sup>2</sup> Trefoil Columns.** Lei Sang, John P. McCauley, Rui Chen, Waters Corporation, Milford, MA, USA.
2. **A new Application about Pesticide Residue Detection by Online Supercritical Fluid Extraction/Supercritical Fluid Chromatography.** Changkun Li, Yueqi Li, Guixiang Yang, Taohong Huang, Shinichi Kawano, Yuki Hashi, Shimadzu Global COE, Shimadzu (China) Co., Ltd.
3. **Analysis of Fat-Soluble Vitamins, Carotenoids and Lipids by Supercritical Fluid Chromatography with sub-2 $\mu$ M Particle Columns.** Jinchuan Yang, Rui Chen, Michael Jones, Giorgis Isaac, Waters Corporation, Milford, MA, USA.
4. **Problem Solving for Challenge SFC Separations.** Yongmao Li, Jiahua Liu, Shiqian Chen, Bao-Ning Su, Eugene Gong, WuXi AppTec, Separation Center, Analytical & Regulatory CMC Services, Shanghai.
5. **Determination of 6 Hypnotic Drugs in Human Blood by Online Supercritical Fluid Extraction-Supercritical Fluid Chromatograph-Tandem Mass Spectrometry.** Hongyuan Hao, Qiang Li, Jinting Yao, Taohong Huang, Shinichi Kawano, Yuki Hashi, Shimadzu (China) Co., LTD. Shanghai 200052, China.
6. **Quantitative Determination of multi-Pesticide Residues in Vegetables by Supercritical Fluid Chromatography Coupled to Triple Quadrupole Mass Spectrometry.** Ronald Guilliet, Agilent Technologies, Waldbronn, Germany.
7. **An Attempt to Estimate the Acidity of Carbon Dioxide – Based Mobile Phases.** Caroline West, Jodie Melin, Maïly Mengue Metogo, Univ Orléans, CNRS, Institut de Chimie Organique et Analytique (ICOA), UMR 7311, B.P. 6759, 2 rue de Chartres, F-45067 Orléans, Cedex 2, France.
8. **Use of Hardware Advancements to Enhance Applications.** Rick Wikfors, Jennifer Van Anda, Ron Guilliet, Agilent Technologies, Liquid Phase Separation Group.
9. **Application of Supercritical Fluid Chromatography for the Separation of Spirostanol Saponins.** Ling-ling Zhua, Yang Zhaoa, Yong-wei Xub, Qing-long Sunb, Xin-guang Suna, Li-ping Kanga, Chao Liua , Bai-ping Maa, Beijing Institute of Radiation Medicine, No. 27 Taiping Road, Beijing 100850, China; bWaters Corporation (Shanghai), Shanghai 201206, PR China.

10. **Advantageous Application of Preparative SFC Conditions to Meet Purity Specifications for Pharmaceutical Analysis.** Huiwei Yang, Zhang Peng, Hong Qunfa, Manuel Ventura, ChemPartner.
11. **Applications of Supercritical Fluid Chromatography for the Enhancement of Separation and Purification Efficiency Of Carotenes in Palm Oil.** Ng Mei Han, Choo Yuen May, Malaysian Palm Oil Board.
12. **Diffusion Coefficients of Flavonoids in Supercritical Carbon Dioxide with 15% mole Fraction Ethanol as Modifier.** Qiujin Cao, Baogen Su, Zhiguo Zhang, Qilong Ren, Key Laboratory of Biomass Chemical Engineering of Ministry of Education, Department of Chemical and Biological Engineering, Zhejiang University, Hangzhou 310027, China.
13. **Determination of Pesticides in Vegetables and Fruits Based on Hong Kong Pesticide MRL Database by On-line SFE-SFC-MS.** Jiaqi Liu, Jinting Yao, Song Zhan, Taohong Huang, Lingling Shen, Qisheng Zhong, Dianbao Yu, Siming Li, Shimadzu Global COE, Shimadzu (China) Co., Ltd., China.
14. **Automatically extraction and analysis using on-line supercritical fluid extraction (SFE) / supercritical fluid chromatography (SFC) system.** T. Hattori, T. Uchikata, H. Terada, Y. Watabe, Y. Funada, Y. Hayakawa, Shimadzu Global COE, Shimadzu (China) Co., Ltd., China.
15. **A Novel Approach to the Cleaning Validation for Pharmaceutical Manufacturing by using On-line SFE-SFC.** T. Hattori, T. Uchikata, H. Terada, Y. Watabe, Y. Funada, Y. Hayakawa, Shimadzu Global COE, Shimadzu (China) Co., Ltd., China
16. **Analysis of Residual Pesticides in Agricultural Products by using On-line SFE-SFC-MS/MS and Off-line SFE-GC-MS/MS.** T.Hattori, T.Uchikata, H.Terada, C.Ichikawa, Y.Funada, Y.Ichiki, M.Sakai, T.Ando, Y.Izumi, E.Fukusaki, T.Bamba, Shimadzu Global COE, Shimadzu (China) Co., Ltd., China.
17. **SFC Separation Platform at WuXi AppTec: From Drug Discovery to Development.** Yongmao Li, Shiqian Chen, Baoning Su, WuXi AppTec Separation Center, Analytical & Regulatory CMC Services, WuXi AppTec (Shanghai) Ltd.
18. **On-line Pretreatment SFC and HPLC.** Shin-ichi Kawano, Qiang Li, Hongyuan Hao, Yuki Hashi, Shimadzu Global COE, Shimadzu (China) Co., Ltd., China.
19. **Prediction of diffusion coefficients of organic solutes in modified supercritical carbon dioxide using a linear free energy relationship.** Xinyan Dong<sup>a,b</sup>, Baogen Su<sup>b</sup>, Zongbi Bao<sup>b</sup>, Qilong Ren<sup>b</sup>, <sup>a</sup> Ningbo Institute of Technology, Zhejiang University, Ningbo, Zhejiang 315100, China<sup>b</sup> Key Laboratory of Biomass Chemical Engineering of Ministry of Education,

Department of Chemical and Biological Engineering, Zhejiang University, Hangzhou 310027, China.

20. **Supercritical Fluid Chromatography Media.** Shaoyong Wei, FLM - Phenomenex.
21. **Exploring the Potentials of Using SFC as an Analytical Tool for Peptides.** Eric Jin, Jason Zhu, Chris Pang, Peter Gidlund and Joakim Höglom, Ph.D., Akzo Nobel Pulp and Performance Chemicals AB
22. **Purification of  $\alpha$ -terpineol by using supercritical fluid chromatography.** Rongjun Wu<sup>1</sup>, Lidong Zhang<sup>1</sup>, Jun Li<sup>1</sup>, Hongtao Wang<sup>1,\*</sup>. <sup>1</sup>Department of Chemical and Biochemical Engineering, Xiamen University, Xiamen 361005, China
23. **Particle Formation by Supercritical Fluid Extraction & Expansion (SFEE) Patent Process.** Yongyue Suna, Can Quan\*,b, DEXin Gao a, Shufen LI c, Shaokun Tang c a College of chemistry and chemical engineering, Tianjin University of Technology, Tianjin, 300384 b Division of Chemical Metrology and Analytical Science, National Institute of Metrology, Beijing 100013, China superfluidcan@hotmail.com c School of chemical engineering, Tianjin University, Tianjin, 300072