

## Yi He, Ph.D.

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### EDUCATION:

Ph.D.	2000 - 2004	Analytical Chemistry, The City University of New York
M.Ph.	2000 - 2002	Analytical Chemistry, The City University of New York
M.Sc.	1997 - 1999	Analytical Chemistry, National University of Singapore, Singapore
M.Eng.	1995 - 1997	Environmental Chemical Engineering Shanghai Jiao Tong University, China
B.Eng.	1991 - 1995	(1) Applied Chemistry (2) Applied Electronic Techniques Shanghai Jiao Tong University, China

### PROFESSIONAL EXPERIENCE:

Professor	Sept. 2016 – present	John Jay College of Criminal Justice and The Graduate Center; The City University of New York
Associate Professor	Jan. 2009 – Aug. 2016	John Jay College of Criminal Justice and The Graduate Center; The City University of New York
Guest Researcher	Sept 2012 – Jun. 2013	Chemical Sciences Division; National Institute of Standards and Technology (NIST)
Assistant Professor	Sept. 2007 – Dec. 2008	The Graduate Center, The City University of New York
Assistant Professor	Sept. 2004 – Dec. 2008	John Jay College of Criminal Justice The City University of New York

### RESEARCH ACTIVITIES:

(a) *Analytical methods development and their forensic and environmental applications:*

- Sample preparation; development of solid and liquid microextraction (SPME & LPME) methods and their application to environmental and forensic analysis

(b) *Elemental fingerprinting and investigation of toxic elements in forensic and environmental samples:*

- Elemental fingerprinting for forensic sample comparison
- Toxic elements in tobacco products
- Arsenic speciation using electrochemical methods and LC-ICP/MS
- Bioaccessibility of dietary arsenic

(c) *Undergraduate chemical education:*

- Collaborative learning and active learning in science education
- Development and implementation of active/collaborative learning curriculum
- Development of anywhere anytime approaches for teaching undergraduate analytical chemistry

*(d) Treatment of environmental pollutants*

(In collaboration with Shanghai Jiao Tong University)

- TiO<sub>2</sub>/Ti photoelectrocatalytic degradation of organic compounds in waste water
- Electrochemical treatment of NO<sub>x</sub> and SO<sub>2</sub> in flue gas

**ASSOCIATIONS:**

- American Chemical Society (ACS)
- Eastern Analytical Symposium (committee, 2018-present)
- Director of the Analytical Topical Group of the American Chemical Society (ACS) -NY section (2012-present)
- Chinese American Chromatography Association (committee, 2016-present)

**MAJOR AWARDS:**

US Department of Agriculture (USDA), 2015, E. Kika De La Garza Research Fellow

American Chemical Society (ACS), 2002 Graduate Student Awards in Environmental Chemistry; (Reported by *Environ. Sci. & Technol.*, 2002, 36, 131A)

**GRANTS IN PAST FIVE YEARS:**

PSC-CUNY (2019-20), Counterfeit Cigarettes: Identification by Toxic Element Distribution Pattern and Palynology Marker

PSC-CUNY (2018-19), Method Development for Determination of Trace Explosives in Environmental Water

John Jay College 2018 PRISM instrument grant, Microwave Digestion and Extraction System for Environmental and Forensic Application

John Jay College, Spring 2018 Program Improvement Grant Awards, Improving Quantitative Analysis Skills for Forensic Science Major Students

Department of the Army (2016-17), Liquid Chromatography Tandem Mass Spectrometry in Toxicology and Environmental Sciences Research and Education Programs (68834RTREP)

Shimadzu Cooperation (2015), The Shimadzu LC-MS Equipment Grant Program

PSC-CUNY (2016-17), Pack Survey and Determination of Pb and Cd in Counterfeit Cigarettes

PSC-CUNY (2015-16), Survey of Elemental Fingerprint of Counterfeit Cigarettes Seized in the US

John Jay College Pedagogy & Technology Training (PATT) Grant (2015), Interactive training module used in instrumental analysis laboratory

National Science Foundation NSF-TUES (2013-2015), Multi-tiered Authentic Approach to Undergraduate Science Learning in an Urban Public College (DUE\_1245314)

CUNY Diversity Project Development Fund (2014-2015), Breaking the language barrier: Scientific writing support group to Asian students

John Jay Research Assistant Program grant (2010-2011), Determination of Elemental Fingerprint of Textile Fibers Using Inductively Coupled Plasma – Mass Spectrometry (ICP-MS)

John Jay College Research Assistant Program (2009-10): Preparation of Ionic Liquid Based Solid-Phase Microextraction (SPME) Fibers for Headspace Determination of Nitroaromatic

Explosives in Environmental Water Samples

PSC-CUNY (2011-12), Determination of the Elemental Fingerprint of Textile Fibers Using Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

PSC-CUNY (2010-11), Preparation of Ionic Liquid Based Solid-Phase Microextraction (SPME) Fibers for Headspace Determination of Nitroaromatic Explosives in Environmental Water Samples

**COURSES TAUGHT:**

- Laboratory Techniques (Ph.D. course)
- Instrumental Analysis I & II
- Quantitative Analysis
- Undergraduate Research Internship
- General Chemistry

**REVIEWER:**

*Journal of Chromatography A*

*Analytical Chemistry*

*Environmental Science & Technology*

*Journal of Separation Science*

*Analytica Chimica Acta*

*International Journal of Environmental Analytical Chemistry*

*Journal of Applied Electrochemistry*

*Talanta*

*Rapid Communications in Mass Spectrometry*

*Analyst*

*Analytical Methods*

*Journal of Pharmaceutical and Biomedical Analysis*

*Electrochimica Acta*

*Current Analytical Chemistry*

*Collection of Czechoslovak Chemical Communications*

*Chemical Engineering Research and Design*

*Journal of Hazardous Materials*

*Journal of Environmental Sciences*

*Journal of Chemical & Engineering Data*

*Journal of Environmental Quality*

*Process Biochemistry*

*The Journal of Chemical Education*

*Food Chemistry*

*US EPA (Environmental Protection Agency) potential standard method*

**BOOK CHAPTER:**

He, Y.; Microextraction, In *Analytical Chemistry*, 7<sup>th</sup> Ed, Christian, G.; Dasgupta, P. K.; Schug, K. A.; Wiley, Hoboken, US, 2014.

He, Y.; Liquid-based Microextraction Techniques for Environmental Analysis, In *Comprehensive Sampling and Sample Preparation*, Volume 3; Pawliszyn, J.; Le, X. C.; Li, X-F.; Lee, H. K.; Eds; Elsevier, Academic Press: Oxford, UK, pp 835–862, 2012.

**NIST ARCHIEVED REPORT OF ANALYSIS (ROA) DOCUMENT:**

Acquisition of Mass Spectrum of Arachidic Acid Butyl Ester Derivative for NIST GC/MS Library Database; ROA # 646-02-13-059

**MEDIA INTERVIEW:**

He, Y., Using Elemental Analysis Techniques to Detect Metals in Counterfeit Cigarettes and Water Samples and Promote Environmental Education, *Spectroscopy*, Oct 04, 2016. (<http://www.spectroscopyonline.com/using-elemental-analysis-techniques-detect-metals-counterfeit-cigarettes-and-water-samples-and-promo>)

**PUBLICATIONS:**

He, Y., Concheiro-Guisan, M., Microextraction sample preparation techniques in forensic toxicology, *Biomedical Chromatography*, 2019, 33, e4444

Kurti, M., von Lampe, K., He, Y., Khanzada, H., Kostara, K., Da, Q., Schroth, K. R. J., Categorizing Characteristics of Counterfeit Marlboro Cigarettes: A Systematic Review of Tobacco Industry Documents, *Tobacco Control*, 2019, (accepted)

Kurti, M., He, Y., Silver, D., Giorgio, M., von Lampe, K., Macinko, J., Ye, H., Tan, F., Mei, V., Presence of Counterfeit Marlboro Gold Packs in Licensed Retail Stores in New York City: Evidence from Test Purchases, *Nicotine & Tobacco Research*, 2018, (Accepted)

Fan, C., Li, K., He, Y., Wang, Y.-L., Qian, X., Jia, J.-P., Evaluation of magnetic chitosan beads for adsorption of heavy metal ions, *Science of the Total Environment*, 2018, 627, 1396-1403

He, Y., Microextraction and Its Application to Forensic Toxicology Analysis, *LCGC North America*, 2017, 35: 14-20

He, Y., Microextraction and Its Application to Forensic Toxicology Analysis, *LCGC Europe*, 2017, 30: 38-43

Kurti, M., He, Y., von Lampe, K., Li, Y., Identifying Counterfeit Cigarette Packs using Ultraviolet Irradiation and Light Microscopy, *Tobacco Control*, 2017, 26, 29-33.  
doi:10.1136/tobaccocontrol-2015-052555

Yang, C., He, Y., Li, K., Ying, D.-W., Yao, Y., Tang, T.-T., Wang, Y.-L., Jia J.-P., A Highly Efficient Dual Rotating Disks Photocatalytic Fuel Cell with Wedged Surface TiO<sub>2</sub> Nanopore Anode and Hemoglobin Film Cathode, *Catalysts* 2016, 6(8), 114; doi:10.3390/catal6080114

He, Y., von Lampe, K., Wood, L., Kurti, M., Investigation of Lead and Cadmium in Counterfeit Cigarettes Seized in the United States, *Food and Chemical Toxicology*, 2015, (81): 40-45

Yang, C., He, Y., Li, K., Yao, Y., Cao, R.-Q., Wang, Y.-L., Jia J.-P., Degrading organic pollutants and generating electricity in a dual-chamber rotating-disk photocatalytic fuel cell (RPFC) with a TiO<sub>2</sub> nanotube array anode, *Research on Chemical Intermediates*, 2015, (41): 5365–5377

Li, K., Zhang, H., He, Y., Tang, T., Ying, D., Wang, Y.-L., Sun, T.-H., Jia, J.-P., Novel wedge structured rotating disk photocatalytic reactor for post-treatment of actual textile wastewater, *Chemical Engineering Journal*, 2015, (268): 10-20

- He, Y., Recent Advances in Application of Liquid-based Micro-extraction: A review, *Chemical Papers*, 2014, (68): 2448-2455
- Guo, Q-B., He, Y., Sun, T-H., Wang Y-L., Jia J.-P., Simultaneous Removal of NO<sub>x</sub> and SO<sub>2</sub> from Flue Gas Using Combined Na<sub>2</sub>SO<sub>3</sub> and Electrochemical Reduction and Direct Electrochemical Reduction, *Journal of Hazardous Materials*, 2014, (276), 371-376.
- Guo, Q-B., Sun, T-H., Wang Y-L., He, Y., Jia J.-P., Spray absorption and electrochemical reduction of nitrogen oxides from flue gas. *Environmental Science & Technology*, 2013, (47): 9514–9522
- Li, K., Xu, Y-L., He, Y., Yang, C., Wang Y-L., Jia J.-P., Photocatalytic Fuel Cell (PFC) and Dye Self-Photosensitization Photocatalytic Fuel Cell (DSPFC) with BiOCl/Ti Photoanode under UV and Visible Light Irradiation, *Environmental Science & Technology*, 2013 (47): 3490–3497
- Li, K., Yang, C., Wang Y-L., Jia J.-P., Xu, Y-L., He, Y., A High-Efficient Rotating Disk Photoelectrocatalytic (PEC) Reactor with Macro Light Harvesting Pyramid-Surface Electrode, *AIChE Journal*, 2012 (58):2448-2455.
- He, Y., Swenson, S., Lents, N. Online Video Tutorials Increase Learning of Difficult Concept in an Undergraduate Analytical Chemistry Course. *Journal of Chemical Education*, 2012, (89): 1128-1132.
- Mhamood, N., Petraco, N.D., He, Y., Elemental fingerprints profile of beer samples constructed using fourteen elements determined by inductively coupled plasma – mass spectrometry (ICP-MS): Multivariation analysis and potential application to forensic sample comparison, *Analytical and Bioanalytical Chemistry*, 2012 (402):861–869
- He, Y; Pedigo, C. E.; Lam, B., Cheng, Z.; Zheng, Y., Bioaccessibility of Arsenic in Various Types of Rice in an *in vitro* Gastrointestinal Fluid System, *Journal of Environmental Science and Health, Part B*, 2012 (47), 74–80
- Li, K; He, Y; Xu, YL; Wang, YL, Jia JP; Degradation of Rhodamine B Using an Unconventional graded Photoelectrode with Wedge Structure, *Environ. Sci. Technol.* 2011 (45): 7401-7407
- Young, A.; Lai, G.; Hung, B.; Yuen, A.; He, Y., Determination of Trace Chloroanilines in Environmental Water Samples Using Hollow Fiber-based Liquid Phase Microextraction, *Chromatographia*, (2011) 74:83–88
- He, Y; Zheng, Y., Assessment of *in vivo* Bioaccessibility of Arsenic in Dietary Rice by Mass Balance Approach, *Science of the Total Environment*, 2010 (408), 1430-1436.
- Xu, Y.-L., He, Y., Jia, J.-P., Zhong, D.-J., & Y.-L. Wang (2009). Cu-TiO<sub>2</sub>/Ti Dual Rotating Disk Photocatalytic (PC) Reactor: Dual Electrode Degradation Facilitated by Spontaneous Electron Transfer *Environmental Science & Technology*, 43, 6289-6294.
- He, Y., Pohl, J., Engel, R., Rothman, L., & Thomas, M. (2009). Preparation of ionic liquid based solid-phase microextraction fiber and its application to forensic determination of methamphetamine and amphetamine in human urine. *Journal of Chromatography A*, 1216, 4824–4830

Xu, Y.-L., He, Y., Cao, X.-D., Zhong, D.-J., & Jia, J.-P. (2008). TiO<sub>2</sub>/Ti rotating disk photoelectrocatalytic (PEC) reactor: A combination of highly effective thin-film PEC and conventional PEC process on a single electrode. *Environmental Science & Technology*, 42, 2612-2617.

Chai, X.-L., He, Y., Ying, D.-W., Zhong, D.-J., Jia, J.-P., & Sun, T.-H. (2007). Electrosorption enhanced solid-phase microextraction using activated carbon fiber for determination of aniline in water. *Journal of Chromatography A*, 1165, 26-31.

He, Y., Vargas, A., & Kang, Y.-J.\* (2007). Headspace liquid-phase microextraction of methamphetamine and amphetamine in urine by an aqueous drop. *Analytica Chimica Acta*, 589, 225-230.

He, Y., Zheng, Y., & Locke, D. C. (2007). Cathodic stripping voltammetric analysis of arsenic species in environmental water samples. *Microchemical Journal*, 85, 265-269.

He, Y., & Kang, Y.-J. (2006). Single drop liquid-liquid-liquid microextraction of methamphetamine and amphetamine in urine. *Journal of Chromatography A*, 1133, 35-40.

He, Y., & Lee, H. K. (2006). Continuous flow microextraction combined with high-performance liquid chromatography for the analysis of pesticides in natural waters. *Journal of Chromatography A*, 1122, 7-12.

van Geen, A., Zheng, Y., Cheng, Z., He, Y., Dhar, R.K., Garnier, J.M., et al. (2006). Impact of irrigating rice paddies with groundwater containing arsenic in Bangladesh, *Science of the Total Environment*, 367, 769-777.

He, Y., Zheng, Y., Ramnaraine, M., & Locke, D. C. (2004). Differential pulse cathodic stripping voltammetric speciation analysis of trace level inorganic arsenic compounds in natural water samples. *Analytica Chimica Acta*, 511, 55-61.

He, Y., Zheng, Y., & Locke, D. C. (2002). Differential pulse cathodic stripping voltammetric determination of nanomolar levels of dissolved sulfide applicable to field analysis of groundwater. *Analytica Chimica Acta*, 459, 209-217.

He, Y., & Lee, H. K. (2000). Trace analysis of 10 kinds of chlorinated benzenes in tap water by headspace solid-phase microextraction. *Journal of Chromatography A*, 874, 149-154.

Jia, J.-P., He, Y., & Huang, J.-X. (1998). Solid-phase microextraction in the pretreatment of environmental samples. *Progress in Chemistry*, 10, 74-84.

Jia, J.-P., He, Y., & Fang, H.-J. (1998). Study on the method of headspace solid-phase microextraction to detect chloroform in drinking water. *Environmental Science*, 19, 79-87.

Jia, J.-P., & He, Y. (1998). Development of novel fiber for solid phase microextraction and the study of its characteristics. *Chemical World*, 39, 214-215.

Jia, J.-P., & He, Y. (1998). Current application research on supercritical fluid. *Chemical World*,

39, 3-6.

Jia, J.-P., He, Y., & Fang, H.-J. (1997). Application of solid-phase microextraction to the analysis of environmental samples, *Systems Engineering – Theory Methodology Applications*, 6, 53-58.

He, Y. (1997). Application of supercritical fluid extraction on environmental sample pretreatment. *Shanghai Environmental Sciences*, 16, 36-38.

Jia, J.-P., He, Y., & Chen, Z.-J. (1996). Synthesizing of magnetic powder from electroplating sludge. *Shanghai Environmental Sciences*, 15, 31-33.

## **PRESENTATIONS:**

He, Y., (2018) Miniaturized Sample Preparation Techniques for Forensic Toxicology Analysis, Asian Forensic Sciences Network 10<sup>th</sup> Annual Meeting and Symposium, Beijing, China

Liu, Z., Yang, Y., Gu, W., He, Y., (2017) Effect of Smoking Cigarettes on PM2.5 Concentration and Distribution in Indoor Air, Pittcon, Chicago, IL

He, Y., (2016) Advancing Academic Career as a Faculty, *Pittcon*, Atlanta, GA

He, Y., Green, C., Chaney, R., Tan, F., Ye, H., Mei, V., Kurti, M., Lampe, K.V., (2016) Elemental Profile of Tobacco used in Counterfeit Cigarettes, *Pittcon*, Atlanta, GA

Wong, T., McNamara, C., He, Y., Swenson, S., (2016) Development of Interactive Learning Modules used in Teaching Instrumental Analysis, *Pittcon*, Atlanta, GA

Lopez, K., He, Y., Swenson, S., Good, K., (2016) Determination of Cadmium in Environmental Water Samples Collected in Superfund Sites in New York City, *Pittcon*, Atlanta, GA

He, Y., Swenson, S., (2016) Promote Science Education through Collaborative Learning, *Pittcon*, Atlanta, GA

He Y., Lopez K.; Wong T.; McNamara C.; Swenson S., (2015) Integrating Research into Instrumental Analysis Curriculum: Investigation of Environmental Pollutants in Hudson River, *Environmental Consortium of Colleges & Universities 12th Annual Conference*, Poughkeepsie, NY

Swenson, S., He, Y., (2015) Implementing Authentic Science Learning through Multitiered Collaboration, *SOT 54th Annual Meeting and ToxExpo*, San Diego, CA

He, Y., Swenson, S., (2015) Implementing Authentic Science Learning Through Multi-tiered Collaboration, *Pittcon*, New Orleans, LA

He, Y., von Lampe, K., Wood, L., Kurti, M., (2014) Lead and Cadmium in Counterfeit Cigarettes: Implication for Public Health and Research on the Illegal Cigarette Trade, *Eastern Analytical Symposium*, Somerset, New Jersey

He, Y., Swenson, S., Lents, N. Online Video Tutorials Increase Learning of Difficult Concept in an Undergraduate Analytical Chemistry Course, (2012) Pittcon, Orlando, FL

Mhamood, N., He, Y., Petraco, N.D., (2010) Determination of elemental fingerprints of Beer Samples by Using Inductively Coupled Plasma Mass Spectrometry (ICP-MS), *Eastern Analytical Symposium*, Somerset, New Jersey

He, Y., Ekstrom, M., Siu, E., Narayne, T., (2010) Quantitative Determination of Gamma Butyrolactone in Beverages by Colorimetric Method, Pittcon, Orlando, FL

He, Y., Pedigo, C., Lam, B., (2009) Investigation of Bioaccessibility of Arsenic in Rice Using Artificial Gastric-Small Intestinal Fluid Extraction and HPLC-ICP-MS Detection, *Eastern Analytical Symposium*, Somerset, New Jersey

Brown, D., He, Y., (2009) Determination of Nitroaromatic Explosives in Water Using Headspace Ionic Liquid Based Solid-phase Microextraction (SPME) with Gas chromatography-Mass spectrometry (GC-MS), *NEAFS Annual Meeting*, Long Branch, New Jersey

Brown, D., He, Y., (2009) Determination of Nitroaromatic Explosives in Water Using Headspace Ionic Liquid Based Solid-phase Microextraction (SPME) with Gas chromatography-Mass spectrometry (GC-MS), *Pittcon*, Chicago, Illinois

He, Y. (2008) Application of Microextraction methods to Forensic Analysis, *Eastern Analytical Symposium*, Somerset, New Jersey

Pohl, J., He, Y., (2008) Determination of Methamphetamine and Amphetamine in Urine by Ionic Liquid Based Solid-phase Microextraction (SPME) Coupled with Gas chromatography-Mass spectrometry (GC-MS), *Eastern Analytical Symposium*, Somerset, New Jersey

Pohl, J., He, Y., (2008) Determination of Methamphetamine and Amphetamine in Urine Using Ionic Liquid Based Headspace Solid-phase Microextraction (HS-SPME) and Gas chromatography-Mass spectrometry (GC-MS), 40th *Middle Atlantic Regional Meeting*, May 17-21, Bayside, Queens NY

He, Y., Young, A., Lai, G., Hung, B., Yuen, A. (2008). Determination of Chloroanilines in Environmental Waters Using Hollow Fiber Supported Liquid-liquid Microextraction. *Pittcon*, New Orleans, Louisiana.

Lam, B., He, Y., Carpi, A., Kobilinsky, L. (2007). Determination and Speciation of Arsenic in Vegetables on Sale in New York City Using Inductively Coupled Plasma-Mass Spectrometry (ICP-MS). *Eastern Analytical Symposium*, Somerset, New Jersey.

He, Y. & Schaumloeffel, M. (2007). A Rapid and Portable Colorimetric Method for Determination of Gamma-Hydroxybutyric Acid in Human Urine, *55<sup>th</sup> Annual NY ACS Undergraduate Research Symposium*. New York.

Pohl, J., Stephanie P. & He, Y. (2007), Determination of Methamphetamine and Amphetamine in Urine Using Headspace Solid-phase Microextraction(HS-HPME) and Gas Chromatography-Mass Spectrometry (GC-MS). *55<sup>th</sup> Annual NY ACS Undergraduate Research Symposium*, New York.

He, Y. & Schaumloeffel, M. (2007) Determination of Gamma-Hydroxybutyric Acid In Human Urine by a Rapid Colorimetric Test. *Pittcon*, Feb 26-29, Chicago, Illinois.



He, Y. & Kang, Y.-J. (2006). Method Development and Application of Liquid-Liquid-Liquid Drop Microextraction for the Analysis of Amphetamine and Methamphetamine in Urine Sample. *Pittcon*, Orlando, Florida.

He, Y., & Lee, H. K. (2005). Continuous Flow Microextraction Combined With High Performance Liquid Chromatography for the Analysis of Pesticides in Natural Waters. *Eastern Analytical Symposium*, Somerset, New Jersey.

He, Y., Zheng, Y., Cheng, Z., & Locke, D. C. (2005). A pilot study of arsenic speciation and its bioaccessibility in rice. *37th Middle Atlantic Regional Meeting*, Piscataway, New Jersey.

Cheng, Z., He, Y., Zheng, Y., & van Geen, A. (2005). Analyzing speciation of arsenic in iron rich groundwater and wastewater, *37th Middle Atlantic Regional Meeting*, Piscataway, New Jersey.

He, Y., Zheng, Y., & Locke, D. C. (2004). Application of L-Cysteine in Cathodic Stripping Voltammetric inorganic Arsenic(III) and Arsenic (V) Speciation in Water Samples. *Pittcon*, Chicago, Illinois.

He, Y., Zheng, Y., & Locke, D. C. (2003). Development and Evaluation of On-site Arsenic Speciation Techniques for Natural Water Analysis. *Superfund Basic Research Program Annual Meeting*, Hanover, New Hampshire.

Keimowitz, A. R., Zheng, Y., Chillrud, S. N., He, Y., Nanes, M., Ross, J., et al. (2003). Examining Sources of Arsenic to a Contaminated Stream. *Superfund Basic Research Program Annual Meeting*, Hanover, New Hampshire.

He, Y., Zheng, Y., Locke, D. C., Simpson, H. J., & Stute, M. (2001). Dissolved Sulfide in Groundwater With Elevated Arsenic Concentration at Winthrop, Maine. *AGU 2001 Fall Meeting*, San Francisco.

He, Y., Zheng, Y., Locke, D. C., Simpson, H. J., & Stute, M. (2001). Dissolved Sulfide in Groundwater With Elevated Arsenic Concentration at Winthrop, Maine. *Arsenic in Drinking Water: An International Conference*, New York.

He, Y., & Lee, H. K. (1998). Influence of Temperature and Humidity on Solid-phase Microextraction in the Analysis of Volatile Organic Compounds in Air. *Second Asia-pacific International Symposium on Capillary Electrophoresis and Related Microscale Techniques (APCE '98)*, Dalian, China.

He, Y., & Lee, H. K. (1998). Monitoring and Analysis of Volatile Organic Compounds in Ambient Air. *First Singapore Chemical Conference*, Singapore.

Jia, J.-P., He, Y., & Fang, H.-J. (1998). Study on Activated Carbon Fiber used in Solid-phase Microextraction. *Proceeding of the 5<sup>th</sup> Mainland-Taiwan Environmental Protection Academic Conference*, 1252-1257, Nanjing, China.

Jia, J.-P., He, Y., & Fang, H.-J. (1997). Introduction of New Solvent-free/less Methods in the Preparation of Environmental Samples. *The fifth Applied Chemistry Annual Conference of Chinese Chemical Society*, Shanghai, China.

Jia, J.-P., He, Y., & Zhu, H., & Ling, Y.(1997). Synthesizing of Magnetic Fertilizer from Electroplating Sludge. *The fifth Applied Chemistry Annual Conference of Chinese Chemical Society*, Shanghai, China.