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PRESENT and PAST POSITIONS

2009/08 till now Director
School of Pharmacy
Kaohsiung Medical University, Kaohsiung, Taiwan

2003/08 -2010/03 Director
Department of Fragrance and Cosmetic Science
Kaohsiung Medical University, Kaohsiung, Taiwan

2002/08 -2003/07 Director
Department of Research & Development
Section of Research & Development
Kaohsiung Medical University, Kaohsiung, Taiwan

2002/08 - Professor
School of Pharmacy
Kaohsiung Medical University, Kaohsiung, Taiwan

1996/08 -2002/07 Associate Professor
School of Pharmacy
Kaohsiung Medical University, Kaohsiung, Taiwan

1988/08 -1996/07 Instructor
School of Pharmacy
Kaohsiung Medical University, Kaohsiung, Taiwan

1984/08 -1988/07 Teaching Assistant
School of Pharmacy
Kaohsiung Medical University, Kaohsiung, Taiwan

EDUCATION/TRAINING

2001/06-09 Visiting fellow

School of Chemistry
University of Virginia, Virginia, US

- 2001/01-04 Visiting fellow
School of Pharmacy
Tokushima University, Japan
- 1988/09-1994/02 Ph.D.
Pharmaceutical Analysis
School of Pharmacy
Kaohsiung Medical University, Kaohsiung, Taiwan
- 1984/09-1987/05 M.S.
Pharmaceutical Analysis
School of Pharmacy
Kaohsiung Medical University, Kaohsiung, Taiwan
- 1980/09-1984/06 B.S.
School of Pharmacy
Kaohsiung Medical University, Kaohsiung, Taiwan

CERTIFICATION

1984 Pharmacist, licensed in Taiwan

AREAS OF EXPERTISE

Pharmacy
Instrumental Analysis
Nanotechnology
Bioanalytical Technology (Drugs, Genes, and Proteins)
Toxicology
Cosmetics

PATENTS

- 2011 Method for Diagnosing Spinal Muscular Atrophy (American Invention Patent)
2012 Method for Diagnosing Spinal Muscular Atrophy (Taiwan Invention Patent)

HONORS

2008	Excellent Teaching Award in Kaohsiung Medical University
2009	Excellent Teaching Award in Kaohsiung Medical University
2009	National Bronze Medal Award of Novel Application of Biotechnology in Taiwan
2010	Excellent Research Award in Kaohsiung Medical University
2011	Excellent Award of Cooperation with Industry in Kaohsiung Medical University
2012	Excellent Research Award in Kaohsiung Medical University
2012	Excellent Award of Cooperation with Industry in Kaohsiung Medical University

PUBLICATIONS

Journal Articles (2012 JCR citation, *corresponding author)

Anal. Chim. Acta (SCI, Chemistry, Analytical; 5-y IF:4.344;IF: 4.387, rank: 7/73)

J. Chromatogr. A (SCI, Chemistry, Analytical; 5-y IF:4.582;IF₂₀₁₂: 4.612, rank: 6/73)

Analytical and Bioanalytical Chemistry (SCI, Chemistry, Analytical; 5-y IF:3.756;IF: 3.659, rank: 13/73)

Electrophoresis (SCI, Chemistry, Analytical; 5-y IF:2.869;IF₂₀₁₂: 3.261, rank: 14/75)

Food Chemistry(SCI, Chemistry, Applied; 5-y IF:4.072;IF₂₀₁₂: 3.334, rank: 9/71)

Journal of Agricultural and Food Chemistry (SCI, Agriculture, multidisciplinary; 5-y IF:3.288; IF₂₀₁₂:2.907, rank:1/57)

J. Pharmaceut. Biomed. (SCI, Chemistry, Analytical; 5-y IF:2.853;IF: 2.947, rank: 20/73)

1.	Sung-Yu Hsieh, Chun-Chi Wang, Shou-Mei Wu* , Microemulsion electrokinetic chromatography for analysis of phthalates in soft drinks, Food Chemistry, 2013, 141, 3486-3491
2.	Chun-Chi Wang, Chia-Chia Lu, Yen-Ling Chen, Hui-Ling Cheng, Shou-Mei Wu* , Chemometric optimization of cation-selective exhaustive injection sweeping MEKC for quantification of ractopamine in porcine meat, Journal of Agricultural and Food Chemistry 2013, 61, 5914-5920
3.	Chung-An Chen, Ming-Yuh Chang, Tung-Ming Chang*, Yuh-Jyh Jong*, Shou-Mei Wu* , Capillary electrophoresis for analysis of deletion and duplication in exon 44-55 of Duchenne muscular dystrophy gene, Electrophoresis 2013, 34(17), 2503-2510
4.	Yu-Hsiang Ho, Chun-Chi Wang, Yu-Tzu Hsiao, Wei-Kung Ko, Shou-Mei Wu* , Analysis of ten abused drugs in urine by large volume sample stacking-sweeping capillary electrophoresis with an experimental design strategy, J. Chromatogr. A 2013, 1295, 136-141
5.	Yan-Yu Lin, Chun-Chi Wang, Yu-Hsiang Ho, Cheng-Sheng Chen*, Shou-Mei Wu* , Analysis of carbamazepine and its five metabolites in serum by large volume sample stacking-sweeping capillary electrophoresis, Analytical and Bioanalytical Chemistry 2013, 405, 259-266.
6.	Chun-Chi Wang, Jia-Ling Chen, Yen-Ling Chen, Hui-Ling Cheng, Shou-Mei Wu* , A novel stacking method of repetitive large volume sample injection and sweeping MEKC for determination of androgenic steroids in urine, Anal. Chim. Acta 2012, 744, 99-104.
7.	Chun-Chi Wang, Kun-Hsien Chao, Yen-Ling Chen, Jan-Gowth Chang, Shou-Mei Wu* , Capillary electrophoretic genotyping of epidermal growth factor receptor for pharmacogenomic assay of lung cancer therapy, J. Chromatogr. A 2012, 1256, 276-279.

8.	Shih-Chieh Lee, Chun-Chi Wang, Pin-Chen Yang, Shou-Mei Wu* , Enantioseparation of (\pm)- <i>threo</i> -methylphenidate in human plasma by cyclodextrin-modified sample stacking capillary electrophoresis, J. Chromatogr. A 2012 , 1232, 302-305.
9.	Yi-Cian Cheng, Chun-Chi Wang, Yen-Ling Chen, Shou-Mei Wu* , Large volume sample stacking with electroosmotic flow and sweeping in capillary electrophoresis for determination of common preservatives in cosmetic products by chemometric experimental design, Electrophoresis 2012 , 33, 1443-1448.
10	Chun-Chi Wang, Cheng-Chung Chen, Shang-Jang Wang, Shou-Mei Wu* , Cation-selective exhaustive injection and sweeping micellar electrokinetic chromatography for analysis of methadone and its metabolites in serum of heroin addicts, J. Chromatogr. A 2011 , 1218, 6832-6837.
11	Hui-Ling Cheng, Shyh-Shin Chiou, Yu-Mei Liao, Yen-Ling Chen, Shou-Mei Wu* , Genotyping of two single nucleotide polymorphisms in 5,10-methylenetetrahydrofolate reductase by multiplex PCR and capillary electrophoresis, J. Chromatogr. A 2011 , 1218, 2114-2120.
12	Hui-Ling Cheng, Shyh-Shin Chiou, Yu-Mei Liao, Yen-Ling Chen, Shou-Mei Wu* , Genotyping of single nucleotide polymorphism in γ -glutamyl hydrolase gene by capillary electrophoresis, Electrophoresis , 2011 , 32 , 2021-2027.
13	Hui-Ling Cheng, Shyh-Shin Chiou, Yu-Mei Liao, Chi-Yu Lu, Yen-Ling Chen, Shou-Mei Wu* , Analysis of methotrexate and its eight metabolites in cerebrospinal fluid by solid-phase extraction and triple-stacking capillary electrophoresis, Analytical and Bioanalytical Chemistry 2010 , 398(5), 2183-2190.
14	Chun-Chi Wang, Jan-Gowth Chang, Yen-Ling Chen, Yuh-Jyh Jong*, Shou-Mei Wu* , Multi-exon genotyping of <i>SMN</i> gene in spinal muscular atrophy by universal fluorescent PCR and capillary electrophoresis, Electrophoresis , 2010 , 31, 2396-2404.
15	Chun-Chi Wang, Yuh-Jyh Jong, Jan-Gowth Chang, Yen-Ling Chen, Shou-Mei Wu* , Universal fluorescent multiplex PCR and capillary electrophoresis for evaluation of gene conversion between <i>SMN1/SMN2</i> in spinal muscular atrophy, Analytical and Bioanalytical Chemistry 2010 , 397, 2375-2383.
16	Iung-Jr Lin, Thau-Ming Cham, Shou-Mei Wu* , Determination of hesperidin, ferulic acid, cinnamic acid and cinnamaldehyde in chinese tonic wine by high performance liquid chromatography, Journal of the Chinese Chemical Society 2010 , 57(3A), 429-435.
17	Yen-Ling Chen, Ya-Sian Chang, Jan-Gowth Chang*, Shou-Mei Wu* , Genotyping of <i>K-ras</i> codons 12 and 13 mutations in colorectal cancer by capillary electrophoresis, J. Chromatogr. A 2009 , 1216(26), 5147-5154.
18	Yuh-Jyh Jong, Yi-Hui Ho, Wei-Kung Ko, Shou-Mei Wu* , On-line stacking and sweeping capillary electrophoresis for detecting heroin metabolites in human urine, J. Chromatogr. A 2009 , 1216, 7570-7575.
19	Jui-Feng Chiang, Yu-Tzu Hsiao, Wei-Kung Ko, Shou-Mei Wu* , Analysis of Multiple Abused Drugs and Hypnotics in Urine by Sweeping Capillary Electrophoresis, Electrophoresis 2009 , 30, 2583-2589.
20	Chun-Chi Wang, Jan-Gowth Chang, Yuh-Jyh Jong*, Shou-Mei Wu* , Universal Multiplex PCR and Capillary Electrophoresis for Quantification of <i>SMN1/SMN2</i> Genes in Spinal Muscular Atrophy, Electrophoresis 2009 , 30(7), 1102-1110
21	Yen-Ling Chen, Ya-Sian Chang, Jan-Gowth Chang*, Shou-Mei Wu* , Genotyping of single nucleotide polymorphism in <i>MDM2</i> genes by universal fluorescence primer PCR and capillary electrophoresis, Analytical and Bioanalytical Chemistry 2009 , 394(5), 1291-1297
22	Yen-Ling Chen, Chi-Jen Shih, Jerome Ferrance, Ya-Sian Chang, Jan-Gowth Chang*, Shou-Mei Wu* , Genotyping of α -thalassemia deletions using multiplex polymerase chain reactions and gold nanoparticle-filled capillary electrophoresis, J. Chromatogr. A 2009 , 1216(7), 1206-1212.

23	Hui-Ling Cheng, Yu-Mei Liao, Shyh-Shin Chiou*, Shou-Mei Wu* , On-line stacking capillary electrophoresis for analysis of methotrexate and its eight metabolites in whole blood, Electrophoresis 2008 , 29, 3665-3673.
24	Chun-Chi Wang , Jan-Gowth Chang, Jerome Ferrance, Hsin-Yi Chen, Chung-Yee You, Yung-Fu Chang, Yuh-Jyh Jong*, Shou-Mei Wu* , Quantification of SMN1 and SMN2 Genes by Capillary Electrophoresis for Diagnosis of Spinal Muscular Atrophy, Electrophoresis 2008 , 29, 2904-2911
25	Yi-Hui Lin, Jui-Feng Chiang, Maw-Rong Lee, Ren-Jye Lee, Wei-Kung Ko, Shou-Mei Wu* , Cation-selective exhaustive injection and sweeping micellar electrokinetic chromatography for analysis of morphine and its four metabolites in human urine, Electrophoresis 2008 , 29(11),2340-2347.
26	Yen-Ling Chen, Yuh-Jyh Jong, Jerome Ferrance, Jan-Sing Hsien, Chi-Jen Shih, Chia-Hsien Feng, Ming-Tsang Wu, Shou-Mei Wu* , Single nucleotide polymorphism detection in the hMSH2 gene using conformation-sensitive capillary electrophoresis, Electrophoresis 2008 , 29(3), 634-640.
27	Chia-Chia Lu, Yuh-Jyh Jong, Jerome Ferrance, Wei-Kung Ko, Shou-Mei Wu* , On-line sample stacking and short-end injection capillary electrophoresis for the determination of fluoxetine and norfluoxetine in plasma: Method development and validation using experimental designs, Electrophoresis 2007 , 28(18), 3290-3295.
28	Yi-Hui Lin, Maw-Rong Lee, Ren-Jye Lee, Wei-Kung Ko, Shou-Mei Wu* , Hair analysis for methamphetamine, ketamine, morphine and codeine by cation-selective exhaustive injection and sweeping micellar electrokinetic chromatography, J. Chromatogr. A , 2007 , 1145, 234-240.
29	Yi-Hui Lin, Yi-Hsin Yang, Shou-Mei Wu* , Experimental design and capillary electrophoresis for simultaneous analysis of arbutin, kojic acid and hydroquinone in cosmetics, Journal of Pharmaceutical and Biomedical Analysis , 2007 , 44, 279-282.
30	Hui-Ling Cheng, Yuh-Jyh Jong, Jih-Heng Li, Wei-Kung Ko, Shou-Mei Wu* , Cation-selective exhaustive injection and sweeping micellar electrokinetic chromatography for direct analysis of methamphetamine and its metabolites in urine, Electrophoresis 2006 , 27(23), 4711-4716.
31	Chien-Yuan Kuo, Shyh-Shin Chiou, Shou-Mei Wu* , Solid-phase extraction and large-volume sample stacking with an electroosmotic flow pump in capillary electrophoresis for determination of methotrexate and its metabolites in human plasma, Electrophoresis , 2006 , 27(14), 2905-2909.
32	Yi-Hui Lin, Jih-Heng Li, Wei-Kung Ko, Shou-Mei Wu* , Direct and sensitive analysis of methamphetamine, ketamine, morphine and codeine in human urine by cation-selective exhaustive injection and sweeping micellar electrokinetic chromatography, J. Chromatogr. A , 2006 , 1130, 281-286.
33	Yen-Ling Chen, Yuh-Jyh Jong, Shou-Mei Wu* , Capillary electrophoresis combining field-amplified sample stacking and electroosmotic flow suppressant for analysis of sulindac and its two metabolites in plasma, J. Chromatogr. A , 2006 , 1119, 176-182.
34	Chun-Chi Wang, Shou-Mei Wu* , Simultaneous determination of L-ascorbic acid, ascorbic acid-2-phosphate magnesium salt, and ascorbic acid-6-palmitate in commercial cosmetics by micellar electrokinetic capillary electrophoresis, Anal. Chim. Acta , 2006 , 576(1), 124-129.
35	Chun-Chi Wang, Shyh-Shin Chiou, Shou-Mei Wu* , Determination of mercaptopurine and its four metabolites by large volume sample stacking with polarity switching in capillary electrophoresis, Electrophoresis , 2005 , 26(13), 2637-2642.
36	Chien-Yuan Kuo, Shou-Mei Wu* , High performance liquid chromatography with electrochemical detection for analysis of gliclazide in plasma, J. Chromatogr. A , 2005 , 1088, 131-135.
37	Yen-Ling Chen, Shou-Mei Wu* , Capillary zone electrophoresis for the simultaneous determination of seven nonsteroidal anti-inflammatory drugs in pharmaceuticals, Analytical and Bioanalytical Chemistry , 2005 , 381(4), 907-912.

38	Yi-Hui Lin, Shou-Mei Wu* , Analysis of omeprazole and lansoprazole in capsules by capillary zone electrophoresis, LC GC Europe , 2005 , 18(3), 164-167.
39	Chien-Yuan Kuo, Shou-Mei Wu* , Micellar electrokinetic chromatography for simultaneous determination of six corticosteroids in commercial pharmaceuticals, Journal of Separation Science , 2005 , 28(2), 144-148.
40	Cheng-Chung Chen, Shou-Mei Wu* , Yu-Hua Huang, Wei-Kung Ko, Hwang-Shang Kou, Hsin-Lung Wu, On-line field-amplified sample stacking in capillary electrophoresis for analysis of amitriptyline and its metabolite nortriptyline in plasma, Anal. Chim. Acta , 2004 , 517, 103-110.
41	Yu-Hsiang Ho, Wei-Kung Ko, Hwang-Shang Kou, Hsin-Lung Wu, Shou-Mei Wu* , Field-amplified sample stacking in capillary electrophoresis for the determination of clozapine, clozapine N-oxide, and desmethylclozapine in schizophrenics' plasma, J. Chromatogr. B , 2004 , 809(1), 111-116.
42	Hwang-Shang Kou, Cheng-Chung Chen, Yu-Hua Huang, Wei-Kung Ko, Hsin-Lung Wu, Shou-Mei Wu* , Method for simultaneous determination of eight cyclic antidepressants by cyclodextrin-modified capillary zone electrophoresis: Applications in pharmaceuticals Anal. Chim. Acta , 2004 , 525(1), 23-30.
43	Chien-Yuan Kuo, Hsin-Lung Wu, Hwang-Shang Kou, Shyh-Shin Chiou, Deng-Chyang Wu, Shou-Mei Wu* , Simultaneous determination of methotrexate and its eight metabolites in human whole blood by capillary zone electrophoresis, J. Chromatogr. A , 2003 , 1014, 93-101.
44	Yuh-Jyh Jong, Hsiu-O Hsu, Hsin-Lung Wu, Hwang-Shang Kou, Shou-Mei Wu* , Analysis of hydroxyurea in human plasma by high-performance liquid chromatography with electrochemical detection, Anal. Chim. Acta , 2003 , 488, 223-230.
45	Yuh-Jyh Jong, Hsiu-O Hsu, Hsin-Lung Wu, Hwang-Shang Kou, Shou-Mei Wu* , High-performance liquid chromatography with electrochemical detection for assay of hydroxyurea in capsules, Chin. Pharm. J. 2003 , 55, 207-212.
46	Chien-Yuan Kuo, Hsin-Lung Wu, Shou-Mei Wu* , Enantiomeric analysis of methotrexate in pharmaceuticals by cyclodextrin-modified capillary electrophoresis, Anal. Chim. Acta , 2002 , 471, 211-217.
47	Yi-Ling Shen, Hsin-Lung Wu, Wei-Kung Ko, Shou-Mei Wu* , Simultaneous determination of clozapine, clozapine N-oxide, N-desmethylclozapine, risperidone, and 9-hydroxyrisperidone in plasma by high performance liquid chromatography with ultraviolet detection, Anal. Chim. Acta , 2002 , 460, 201-208.
48	Shou-Mei Wu* , Yu-Hsiang Ho, Hsin-Lung Wu, Su-Hwei Chen, and Hwang-Shang Kou, Head-column Field Amplified Sample Stacking in Capillary Electrophoresis for the Determination of Cimetidine, Famotidine, Nizatidine and Ranitidine HCl in Plasma, Electrophoresis 2001 , 22(13), 2717-2722.
49	Shou-Mei Wu* , Yu-Hsiang Ho, Hsin-Lung Wu, Su-Hwei Chen, and Hwang-Shang Kou, Simultaneous Determination of Cimetidine, Famotidine, Nizatidine, and Ranitidine in Tablets by Capillary Zone Electrophoresis, Electrophoresis 2001 , 22(13), 2758-2762.
50	Yi-Ling Shen, Shou-Mei Wu* , Hsin-Lung Wu, Wei-Kung Ko, Assay of Clozapine and Risperidone in Commercial tablets by high performance Liquid Chromatography. Chin. Pharm. J. , 2001 , 53(6), 303-312
51	Shou-Mei Wu* , Wei-Kung Ko, Hsin-Lung Wu, Su-Hwei Chen, Determination of Amitriptyline and Nortriptyline in Spiked Plasma by Capillary Zone Electrophoresis with β -Cyclodextrin, Anal. Chim. Acta , 2000 , 413, 125-129.
52	Shou-Mei Wu* , Wei-Kung Ko, Hsin-Lung Wu, Su-Hwei Chen, Trace Analysis of Haloperidol and its Chiral Metabolite in Plasma by Capillary Electrophoresis, J. Chromatogr. A , 1999 , 846, 239-243.

