Biography – Fawzi Elsebaei

Name: **Fawzi Elsebaei**

Undergraduate:
1997 BA, Pharmaceutical Science – Excellent with first degree of honor five years

Postgraduate:
2005 MSc, Analytical Chemistry and Pharmaceutical Analysis
Mansoura University, Mansoura, Egypt
2012 PhD, Analytical Chemistry and Pharmaceutical Analysis, March 2012
Zhejiang University, Hangzhou, China,
2016 a postdoctoral visit to the University of Nebraska at Lincoln, USA

Teaching and Research Experience: 16 Years

Fawzi Elsebaei was born and raised in Mansoura, Egypt. He holds a BSc in Analytical Chemistry and Pharmaceutical Analysis from Faculty of Pharmacy, Mansoura University. He currently works as a lecturer for Analytical Chemistry in Mansoura University, and has experience in teaching and scientific research and Publishing. For years, he works for writing and publishing scientific papers, hence his editing capacity should be promising. Elsebaei has been published in several magazines, and international conferences. He is uncannily good at scientific editing and is also an expert researcher.

Research Achievements:

Elsebaei worked on most chromatographic instruments like HPLC and ion Chromatography with many detectors like UV, conductivity, fluorescence, electrochemical. In his research he had solved an important problem regarding elution profiles of a group of drug called Angiotensin converting enzyme inhibitors (ACEI) and developed more than one article regarding this purpose. He extended the application of ion chromatography to include drug analysis achieving better resolution of many drugs saving time and elaboration, cost as well as permitting simultaneous analysis of numerous drugs in one run in a reasonable time. The enhancement of resolution of drug analysis using ion chromatography arises from the extra mechanism that adds to the regular partition behavior of non-polar drugs in the ionic RP stationary phase, which is the electrostatic interaction of the drugs to the ionizable groups of the stationary phase.

Recently, Elsebaei had been granted a scholarship to USA and worked with most techniques of affinity chromatography studying invitro and on hand made microanalytical columns the interaction or binding of important drug members to plasma proteins and how this binding is affected in diseased conditions or various environments. In addition, several applications have been growing up during the work including but not limited to

i. Analysis of drug stereoisomers on Human serum albumin bonded stationary phases
ii. Analysis of free drug fractions by ultrafast affinity extractions microcolumns.

The work was greatly fruitful. Elsebaei greatly would like to investigate more on this area of research to include different drug members and more applications.

Recent papers:

1. *Zhang, C., Rodriguez, E., Bi, C., Zheng, X., Suresh, D., Suh, K., Li, Z., Elsebaei, F., Hage, D.S. Analyst, 2018, 143(2): 374-391.*
2. *Elsebaei, F., Zhu, Y. Microchem J, 2016, 124(1): 215-221.*
3. *Elsebaei, F., Zhu, Y. Talanta, 2011, 85 (1): 123-129.*
4. *Wu, H., Chen, M. L., Fan Y. C., Elsebaei, F., Zhu, Y. Talanta, 2012, 88(1):222.*
5. *Xu, X. M., Yu, C., Han, J. L., Li, J. P., El-Sepai, F., Zhu, Y., Huang, B. F., Cai, Z. X., Wu, H. W., Ren, Y. P. J Sep Sci, 2011, 34 (2): 210-216.*
6. *Xie, P. J., Xu, J. G., Hu, Z. Z., El-Sepai, F., Zhang, P. M., Zhu, Y. J Chromatogr Sci, 2011, 49 (8): 622-627.*
7. *Fan, Y. C., Chen, M. L., Shentu, C., El-Sepai, F., Wang, K. X., Zhu, Y., Ye, M. L. Anal Chim Acta, 2009, 650 (1): 65-69.*
8. *El-Brashy, A. M., El-Sayed Metwally, M., El-Sepai, F. A. Farmaco, 2004, 59 (10): 809-17.*

Research Interests:

Analytical Chemistry
Pharmaceutical Analysis
Liquid Chromatography
HPLC
Ion Chromatography
Affinity chromatography
Liquid and Solid Phase Extractions Technology
Spectrophotometry
Atomic Absorption spectroscopy