

VITA

Sharon R. Hawi

Current Position

Senior Lecturer, Department of Chemistry, University of Wisconsin Oshkosh

Education

Ph.D., Analytical Chemistry, University of Wisconsin-Madison, 1994

B.S. (magna cum laude), Chemistry, University of Wisconsin-Milwaukee, 1988

Teaching Experience

2000 – present **University of Wisconsin Oshkosh**

Chemistry 101 General, Organic, and Biochemistry

Chemistry 103 Environmental Chemistry

Chemistry 105 General Chemistry

Chemistry 221 Quantitative Analysis/Modern Analytical Chemistry

Chemistry 320 Introduction to Instrumental Analysis

Chemistry 421 Instrumental Analysis

1998 **Marquette University** Milwaukee, WI

Chemistry 114 Quantitative Analysis

Research Experience

2002 – 2005 **Assistant Professor**

Department of Chemistry, University of Wisconsin-Oshkosh

Biomedical applications of fluorescent semiconductor nanocrystals (quantum dots).

1995 – 1998 **Postdoctoral Fellow**

Department of Pharmacology & Toxicology, Medical College of Wisconsin, Milwaukee, WI.

Biomedical applications of confocal Raman microspectroscopy.

Publications & Presentations

Hawi, S. R. Biomedical Applications of Quantum Dots. Pew Consortium on “Integrating Nanoscience and Nanotechnology into Physical Sciences and Mathematics Curricula”, Lawrence University, March 6, **2004**.

Nithipatikom, K.; McCoy, M.; **Hawi, S. R.**; Nakamoto, K.; Adar, F.; Campbell, W. B. Characterization and application of Raman labels for confocal Raman microspectroscopic detection of cellular proteins in single cells. *Analytical Biochemistry* **2003**, 322, 198-207.

Hawi, S. R.; Rochanakij, S.; Adar, F.; Campbell, W. B.; Nithipatikom, K.
Detection of membrane-bound enzymes in cells using immunoassay and Raman
microspectroscopy. *Analytical Biochemistry* **1998**, 259, 212-217.

Hawi, S. R.; Nithipatikom, K.; Wohlfeil, E. R.; Adar, F.; Campbell, W. B.
Raman microspectroscopy of intracellular cholesterol crystals in bovine coronary
artery endothelial cells. *Journal of Lipid Research* **1997**, 38, 1591-1597.

Memberships

American Chemical Society

Phi Beta Kappa