

## **Michael D. Johnson**

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### **Education**

1983 Ph.D. Chemistry, New Mexico State University  
1980 M.A. Chemistry, University of Missouri  
1978 B.S. Chemistry, University of Missouri

### **Professional Experience**

1991-Present Professor, Chemistry Department, New Mexico State University  
1989-1991 Assistant Professor, Chemistry Department, Mt. Allison University, Canada  
1985-1988 Lecturer, University of Guelph, Canada  
1984-1985 Post Doctorate in Chemistry, University of Guelph, Canada  
1983-1984 Post Doctorate in Chemistry, University of Illinois

### **Primary Research Interests**

The exploration of the fundamental chemistry of the ferrate ion,  $\text{FeO}_4^{2-}$  and its environmental applications; arsenic, selenium and antimony remediation from groundwater and wastewater sources; remediation of heavy metals using natural and tailored magnetites

### **Professional Activities and Honors (last 6 years)**

1997-Present Director of NIH funded Minority Access to Research Careers (MARC) program  
2008 "Treatment of arsenic-contaminated water using akaganeite adsorption," US Patent #7314569  
2007 Outstanding Arts and Sciences Faculty Award  
2004 AAEE Grand Prize University Award for Excellence in Environmental Engineering  
2003 "Magnetic process for removing heavy metals from water employing magnetites," US patent #6596182