

James L. Smith  
Curriculum Vita

(a). Professional Preparation

University of Puget Sound Biology B.Sc. 1971  
University of Puget Sound Chemistry M.Sc. 1974  
University of British Columbia Chemistry Ph.D. 1980

(b). Appointments

Professor, University of Rhode Island, Kingston, RI, 2002-present  
Associate Research Professor, University of Rhode Island, Kingston, RI, 1995-2002  
Associate Professor, New Mexico Institute of Mining and Technology, Socorro, NM, 1986-95  
Assistant Professor, New Mexico Institute of Mining and Technology, Socorro, NM, 1981-1986  
Research Chemist, National Oceanic and Atmospheric Administration, Seattle, WA, 1981  
Senior Analytical Chemist, Trace Organics Monitoring Laboratory, Seattle, WA, 1980-81

(c). Selected Publications

1. Oxley, J.C.; Smith, J.L.; Junqi, Y.; Moran, J. "Hypergolic Reactions of TNT," *Propellants Explos. Pyrotech.* **2009**, 34(5), 421-426.
2. Oxley, J.C.; Smith, J.L.; Luo, W; Brady, J. "Determining the Vapor Pressure of Diacetone Diperoxide (DADP) and Hexamethylene Triperoxide Diamine (HMTD)," *Propellants Explos. Pyrotech.*, **2009**, 34(6), 539-543.
3. Oxley, J.C.; Smith, J.L.; Naik, S.; Brady, J. "Determination of Urea Nitrate and Guanidine Nitrate Vapor Pressures by Isothermal Thermogravimetry," in press *Propellants Explos. Pyrotech.*
4. Oxley, J.C.; Smith, J.L.; Moran, J.S. "Decomposition of Azo- and Hydrazo-Linked Bis Triazines," *J. Energetic Materials*, **2009** 27(2), 63-93.
5. Oxley, J.C.; Smith, J.L. Naik, S.; Moran, J.S.; "Decomposition of Urea and Guanidine Nitrate," *J. Energetic Materials*, **2009** 27(1), 17-39.
6. Oxley, J.C.; Smith, J.L.; Huang, J.; Luo, W. "Destruction of Peroxide Explosives," *J. Forensic Sci.*, **2009** 54(5), 1029-33.

7. Oxley, J.C.; Smith, J.L.; Higgins, C.; Bowden, P.; Moran, J.; Brady, J.; Aziz, C.E.; Cox, E. "Efficiency of Perchlorate Consumption in Road Flares, Propellants and Explosives," *J. Environ. Management*, 2009 90(11), 3629-34.
8. Oxley, J.C.; Smith, J.L.; Bernier, E.; Moran, J.S.; Luongo, J. "Hair as Forensic Evidence of Explosive Handling," *Propellants Explos. Pyrotech.* **2009** 34(4), 307-314.
9. Oxley, J.C.; Smith, J.L.; Moran, J.S.; Canino, J.N.; Almog, J. "Aromatic Nitration using Nitroguanidine and EGDN," *Tetrahedron Lett.* **2008** 49(28), 4449-4451.
10. Koppes, W.M.; Moran, J.S.; Oxley, J.C.; Smith, J.L.; "Azo Bond Hydrogenation with Hydrazine, RNHNH<sub>2</sub>, and Hydrazobenzene," *Tetrahedron Lett.* **2008** 49(20), 3234-3237.
11. Oxley, J.C.; Smith, J.L.; Kirschenbaum, L.J.; Marimganti, S.; Vadlamannati, S. "Detection of Explosives in Hair Using Ion Mobility Spectrometry," *J. Forensic Sci.* **2008** 53(3), 690-693.
12. Oxley, J.; Smith, J.L.; Brady, J.; Dubnikova, F.; Kosloff, R.; Zeiri, L.; Zeiri, Y.; "Raman and Infrared Fingerprint Spectroscopy of Peroxide-Based Explosives," *Applied Spectroscopy* **2008** 62(8), 906-915.
13. Oxley, J.C.; Smith, J.L.; Bucu, R.; Huang, J. "A Study of Reduced-Sensitivity RDX," *J. Energetic Materials*, **2007** 25(3), 141-160.
14. Oxley, J.C.; Smith, J.L.; Kirshenbaum, L.J.; Marimganti, S. "Accumulation of Explosives in Hair—Part II: Factors Affecting Sorption," *J. Forensic Sci.* **2007** 52(6), 1291-6.