

**Curriculum Vitae
Jani C. Ingram**

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a. Professional Preparation:

Ph.D., Chemistry, University of Arizona, Tucson, Arizona, 1990.
B. S., Chemistry (math minor), New Mexico State University, Las Cruces, NM, 1985
A. A., General Transfer, Yavapai College, Prescott, AZ 1982

b. Appointments:

2002-present: Associate Professor, Dept. Chem & Biochem., Northern Arizona Univ.
1998-2002: Advisory Scientist, Idaho National Engineering & Environmental Laboratory
(INEEL), Idaho Falls, ID (Department of Energy National Laboratory)
1992-1998: Staff Scientist, INEEL, Idaho Falls, ID
1990-1992: Scientist, INEEL, Idaho Falls, ID
1986-1990: Research Assistant, University of Arizona, (advisor: J. E. Pemberton)
1985-1986: Teaching Assistant, University of Arizona, (advisor: S. Brown)
1985 (summer): Research Assistant, AT&T Bell Laboratories, (advisor: G. J. Fisanick)
1984-1985: Research Assistant, New Mexico State University, (advisor: G. A. Eiceman)
1983 & 1984 (summers): Research Assistant, Los Alamos National Lab, (advisor: E. Peterson)

c. Publications Most Closely Related to Proposed Project:

- “Micropatterned avidin arrays on silicon substrates via photolithography, self-assembly, and bio-conjugation”, Timothy L Vail, Kevin W Cushing, Jani C Ingram, Ingrid St. Omer, **2006**, *Biotechnology and Applied Biochemistry*, 43, 85-91.
- “Sr Incorporation into Calcite Generated by Bacterial Ureolysis”, Yoshiko Fujita, George D. Redden, Jani C. Ingram, Marnie M. Cortez, and Robert W. Smith, **2004**, *Geochimica et Cosmochimica Acta*, 68, 3261-3270.
- “Microorganism detection by static secondary ion mass spectrometry utilizing a ReO₄⁻ primary beam”, J. C. Ingram, W. F. Bauer, R. M. Lehman, S. P. O’Connell, A. D. Shaw, *Journal of Microbiological Methods*, 2003, 53, 295-307.
- “Reductive Dechlorination of Trichloroethylene and Carbon Tetrachloride at Iron Oxides and Basalt Minerals”, J. C. Ingram, M. M. Cortez, D. L. Bates, M. O. McCurry, Nuclear Site Remediation, First Accomplishments of the Environmental Management Science Program, **2001**, ACS Symposium Series 778, Eds. P. G. Eller, W. R. Heineman, ACS, Washington D.C., pp 267-281.
- “Analysis of Environmental Surfaces Using Static Secondary Ion Mass Spectrometry”, G. S. Groenewold, A. K. Gianotto, J. C. Ingram, A. D. Appelhans, *Current Topics in Analytical Chemistry*, **1998**, 1, 73-91.
- “Direct Surface Analysis of Pesticides on Soil, Leaves, Grass, and Stainless Steel by Static Secondary Ion Mass Spectrometry”, J. C. Ingram, G. S. Groenewold, A. D. Appelhans, J. E. Delmore, J. E. Olson, D. L. Miller, *Environmental Science & Technology*, **1997**, 31, 402-408.

c Other Significant Publications:

- “Identification of Mineral Phases on Basalt Surfaces by Imaging SIMS”, J. C. Ingram, G. S. Groenewold, J. E. Olson, A. K. Gianotto, M. O. McCurry, *Analytical Chemistry*, **1999**, *71*, 1712-1719.
- “Ion-trap SIMS Analysis of Pinacolyl Methylphosphonic Acid on Soil”, J. C. Ingram, A. D. Appelhans, G. S. Groenewold, *International Journal of Mass Spectrometry and Ion Processes*, **1998**, *175*, 253-262.
- “Detection Limit and Surface Coverage Determination for Tributyl Phosphate on Soils by static SIMS”, J. C. Ingram, G. S. Groenewold, A. D. Appelhans, D. A. Dahl, J. E. Delmore, *Analytical Chemistry*, **1996**, *68*, 1309-1316.
- “Detection of Alkyl Methylphosphonic Acids on Leaf Surfaces by Static Secondary Ion Mass Spectrometry”, J. C. Ingram, G. S. Groenewold, A. D. Appelhans, J. E. Delmore, D. A. Dahl, *Analytical Chemistry*, **1995**, *67*, 187-195.
- "Depth Profiles for Hydrocarbons and Polycyclic Aromatic Hydrocarbons in Soil Beneath Waste Disposal Pits from Natural Gas Production", G.A. Eiceman, B. Davani, J.C. Ingram, *Environ. Sci. Technol.*, **1986**, *20*, 508.

d. Synergistic Activities:

12. Principal investigator of pilot project entitled “Uranium Bioavailability from Environmental Sources Specific to the Navajo Nation”, funded through the Native American Cancer Research Partnership, National Cancer Institute, 6/03 to present
13. Mentor for Northern Arizona University’s NSF-sponsored Research Experiences for Undergraduates, NSF’s Undergraduate Mentoring in Environmental Biology, and NIH’s Bridges to Baccalaureate summer research programs.
14. Director of the John and Sophie Ottens Native American Student Research program at Northern Arizona University

e. Collaborators and other affiliations:

Collaborators:

S. J. Donnelly (Arizona Western College); F. Sherman (Crownpoint Institute of Technology); A. D. Appelhans, W. F. Bauer, F. S. Colwell, M. M. Cortez, D. A. Dahl, J. E. Delmore, A. K. Gianotto, G. L. Gresham, G. S. Groenewold, G. F. Kessinger, R. M. Lehman, S. P. O’Connell, J. E. Olson, J. R. Scott (INEEL); M. O. McCurry (Idaho State University); H.-Y. N. Holman (Lawrence Berkeley National Laboratory); R. Avci (Montana State University); R. Foust, M. Ketterer, D. Stearns, T. Vail (NAU); M. M. Briehl, T. DeGomez, J. E. Pemberton (University of Arizona); B. Peyton, R. Miller, D. Yonge (Washington State University); P. E. Smolenyak (Yavapai College).

I have acted as research advisor to 25 undergraduate students (13 Native American students) and 4 master’s students (2 Native American and 2 Hispanic students) since 2003. I have served on 9 graduate committees for students outside my research group.