

### Education

- PhD Microbiology. Washington State University. 1986.
- B.S. Bacteriology. Iowa State University. 1980.

### Employment

- 2006 - Present. Geographic Information Systems Coordinator, Washington State University, Pullman, WA.
  - Teach undergraduate & graduate courses in GIS & Remote Sensing
  - Conduct research using remote sensing & GIS tools
  - Manage and maintain the GIS Teaching Lab
  - Technical support contact for GIS.
- 1999 - 2006. Agricultural Research Technologist III, Washington State University, Pullman, WA.
  - Conduct research using remote sensing & GIS tools
  - Design and teach GIS exercises
  - Develop & maintain departmental computing & multimedia resources .
- 1991-1999. Agricultural Research Technologist II, Washington State University, Pullman, WA.
  - Conduct research using remote sensing & GIS tools
  - Conduct crop physiology research.
- 1987-1990. Postdoctoral Research Associate, University of Idaho, Moscow, ID.
  - Managed Molecular Biology Laboratory
  - Conduct agricultural molecular biology research.
- 1986 - 1987. Assistant Professor of Biology, University of Wisconsin-Superior, Superior, WI.
  - Taught courses in biology, microbiology, cell biology, & genetics.

### Publications and Scholarship

- Harsimran Kaur, David R Huggins, Richard A Rupp, John T Abatzoglou, Claudio O Stockle, John P Reganold (2017). Agro-ecological Class Stability Decreases in Response to Climate Change Projections for the Pacific Northwest, USA. *Frontiers in Ecology and Evolution*, 11 July 2017 <https://doi.org/10.3389/fevo.2017.00074>
- Totman, M.E., Swanson, M., Rogers, T.M., McDaniel, P.A., Rupp, R.A., & Brown, D.J. (2014). Soil organic carbon stocks in the forests of Mount Rainier National Park, Washington USA. *Soil Science Society of America Journal*. 78, S270-S280.
- Poole, G., Smiley, R., Walker, C., Huggins, D.R., Rupp, R.A., Abatzoglou, J., Campbell, K., & Paulitz T. (2013). Effect of climate on the distribution of *Fusarium* spp. causing crown rot of wheat in the Pacific Northwest of the United States. *Phytopathology* **103**:1130-1140.
- Yau, I., Davenport, J.R., & Rupp, R.A. (2013). Characterizing Inland Pacific Northwest American Viticultural Areas With Geospatial Data. *PLoS One* <http://dx.plos.org/10.1371/journal.pone.0061994>
- Kandel, S., Smiley, R., Campbell, K., Elling, A., Abatzoglou, J., Huggins, D.R., Rupp, R.A., & Paulitz, T (2013) Relationship between climatic factors and distribution of *Pratylenchus* spp in the dryland wheat-production areas of eastern Washington. *Plant Disease* **97**:1448-1456.
- Sharma Poudyal, D., Chen, X., & Rupp, R.A. (2013). Potential oversummering and overwintering regions for the wheat stripe rust pathogen in the contiguous United States. *International Journal of Biometeorology*. June 1, 2013, 1-11
- Meirik, Emily, Frazier, Bruce, Brown, David, Roberts, Philip, Rupp, Richard. (2010) ASTER-Based Vegetation Map to Improve Soil Modeling in Remote Areas. *Digital Soil Mapping, Progress in Soil Science, Volume 2*. Springer Science
- Schillinger, W.F., & Rupp, R.A. (2010). New map of Inland Pacific Northwest dryland and irrigated cropping areas. *2010 Dryland Field Day Abstracts: Highlights of Research Progress* (Technical report 10-2).

- Frazier, B.E., & Rupp, R.A. (2010). Application of the RASP model to delineate soils in the Thunder Creek Watershed of North Cascades National Park. *WSU Showcase*, Pullman.
- Frazier, B.E., Rodgers, T.M., Briggs, C.A., & Rupp, R.A. (2009). Remote area soil proxy modeling technique. *Soil Survey Horizons* **50**:62-67.
- Frazier B., T.M. Rodgers, R. Rupp. (2005) Modeling Soil Distribution in Wilderness Areas of Washington State. 2005 *ESRI International Users Conference Proceedings*.
- Eileen Perry, R. Rupp, J. Davenport, J. Leal, F. Pierce, & Schulthess, U. (2003) Crop traceability and remote sensing in tree fruit. *SPIE* **5153**:103-105.

### **Recognition**

- 2014 Appointed Adjunct Faculty University of Idaho Department of Forestry, Rangeland & Fire Sciences
- 2013 Appointed Adjunct Faculty WSU School of Environment
- 2011 College of Ag, Human & Natural Resource Sciences AP Technical Staff Excellence Award
- 2000 WSU President's Employee Excellence Award
- 1998 College of Agriculture & Home Economics Staff Excellence Award
- 1995 President of WSU Staff Senate

### **Professional Membership**

- Urban & Regional Information Systems Association
- American Society for Photogrammetry & Remote Sensing