Robert W. Nairn, PhD

David L. Boren Professor
Viersen Presidential Professor
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Environmental Scientist

Juniata College
PENNSYLVANIA
1876

THE OHIO STATE UNIVERSITY

BS, 1989   PhD, 1996

Professor

The UNIVERSITY of OKLAHOMA
Gallogly College of Engineering
School of Civil Engineering and Environmental Science

CREW Center for Restoration of Ecosystems and Watersheds
University of Oklahoma

Water Technologies for Emerging Regions

Experience Highlights

- 2017- Boren Professorship
- 2014- Pres. Professorship
- 2013-14 Sabbatical, Grand River Dam Authority
- 2012- Professor
- 2011- Adj. Prof. Biology
- 2007- Assoc. Dir., WaTER
- 2004- Founding Dir., CREW
- 2002 Associate Professor
- 1997 Assistant Professor
- 1995-96 Pres. Fellow, OSU
- 1992-95 GRA/GTA, OSU
- 1989-92 Res. Biol. U.S. Bureau of Mines
- 1989- Private Env. Cons.
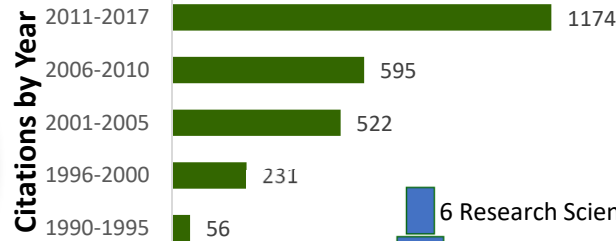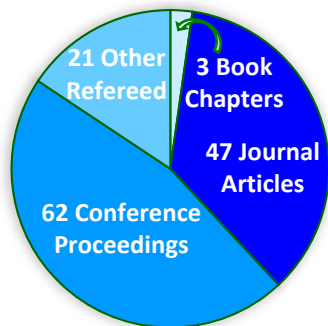- 1988- Res. Assist., US DOE

Research Efforts

Watershed biogeochemistry and ecological engineering; ecosystem remediation and restoration; wetland ecology and biogeochemistry; surface and ground water quality; ecosystem design, creation, and restoration, environmental education and service learning.
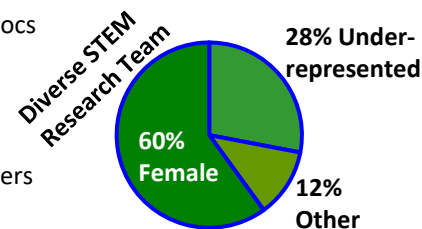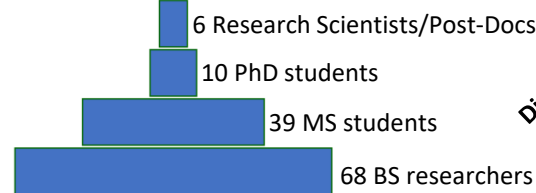
61 research projects for **$22.7M** in funding

Publications and Impact

- 21 Other Refereed
- 3 Book Chapters
- 47 Journal Articles
- 62 Conference Proceedings

Citations by Year:
- 2011-2017: 1174
- 2006-2010: 595
- 2001-2005: 522
- 1996-2000: 231
- 1990-1995: 56

Teaching and Research Mentoring

14 different formal courses including Env. Bio. and Eco., Sr. Capstone, Wetlands Sci. & Mgmt., and Eco. Eng. Sci.

- 6 Research Scientists/Post-Docs
- 10 PhD students
- 39 MS students
- 68 BS researchers

Diverse STEM Research Team
- 28% Under-represented
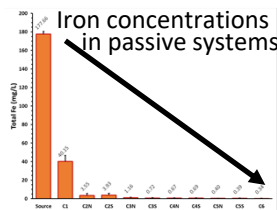- 60% Female
- 12% Other

Technology Development

Design, construction and evaluation of the first two mine water passive treatment systems in the Tar Creek Superfund Site; similar work in Arkoma Basin coal fields and highland Bolivia and analogous technologies for stormwater and water reuse based on ecological engineering system designs

Iron concentrations in passive systems

Service and Community Engagement

Served as President of Watershed Restoration Inc., Engineers in Action, American Society of Mining and Reclamation; numerous local and state advisory positions, community volunteer

Recognition

ASMR William T. Plass (life time achievement) and Reclamation Researcher of Year Awards, OU Outstanding Research Impact, United Way Volunteer of the Year, OU Faculty Leadership Academy