

Abdullah Al-Kinani

PhD Candidate in Fisheries & Aquatic Ecology | Biology Educator | Environmental Researcher
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PROFESSIONAL SUMMARY

PhD candidate in Fisheries, Wildlife, and Conservation Sciences with over 20 years of experience in biology education and environmental research. Specialized in aquatic ecology, invasive species management, and trophic interactions in freshwater systems. Strong expertise in data analysis (R, GIS), ecological modeling, and applied environmental research. Experienced educator and trainer with a proven record of curriculum development, scientific mentoring, and interdisciplinary collaboration. Seeking research, environmental, or sustainability-focused roles where scientific expertise and practical field experience can drive evidence-based decision-making.

TECHNICAL & ANALYTICAL SKILLS

- Data Analysis & Modeling: R, RStudio, GIS (Geographic Information Systems), SPSS, Excel.
- Laboratory & Field Techniques: Water Quality Testing (pH, DO, conductivity, nitrates), Species Identification (Taxonomy), Microscopy, Dissection, and Anatomical Analysis.
- Research Skills: Ecological Modeling, Statistical Analysis, Invasive Species Management, Experimental Design.
- Languages: Arabic (Native), English (Fluent).

EDUCATION & TEACHING SKILLS

- Core Competencies: Curriculum Development, Inquiry-Based Science Teaching, STEM Education, Differentiated Instruction.
- Educational Technology: E-learning Integration, Virtual Labs, Student Performance Tracking.
- Soft Skills: Scientific Writing, Mentoring, Public Speaking, Interdisciplinary Collaboration.

EDUCATION

1. PhD Candidate in Fisheries, Wildlife, and Conservation Sciences | (Expected Graduation: 2027)

Oregon State University | Corvallis, OR, USA

- Research Focus: Investigating trophic interactions between non-native Smallmouth Bass and native crayfish in the Willamette River.

2. Master of Gifted Education (Summa Cum Laude) | 2019 – 2021

Flinders University | Adelaide, SA, Australia

- Thesis: A statistical study of the positive effects of electronic games on gifted students.

3. Bachelor of Education in Biology | 1994 – 1998

King Khalid University | Abha, Saudi Arabia Project: Historical study and examination of significant plant species in the Tihama/Asir region.

PROFESSIONAL EXPERIENCE

Graduate Researcher Oregon State University | Corvallis, OR | Current

- Conducting rigorous scientific research on aquatic ecology, utilizing RStudio for statistical analysis and GIS for spatial modeling of invasive species.
- Analyzing water quality parameters and trophic dynamics to inform conservation strategies for the Willamette River system.

Lecturer and Trainer (Environmental Sustainability) Principles of Environmental Sustainability Program | Qunfudhah, Saudi Arabia | May 2012 – Sep 2017

- Trained conservation professionals and park rangers on ecological assessment techniques, wildlife management, and conservation strategies.
- Developed and delivered technical workshops on water quality monitoring and environmental protection.
- Contributed to key conservation projects for the Wadi Hali region.

Biology High School Teacher & Educator Ministry of Education | Makkah, Saudi Arabia | Jan 1999 – Present

- Designed and delivered inquiry-based biology curricula aligned with national education standards, significantly improving student engagement.
- Integrated advanced technology into the classroom, including RStudio for data analysis and GIS for spatial visualization, to enhance STEM learning.
- Key Achievement: Increased student participation in science fairs by 60% over three years, mentoring students to achieve regional and national recognition.
- Led the development of a new environmental science curriculum adopted by five regional schools.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Inquiry-Based Teaching in Science (15 Hours) – Educational Training Center.
- Test Construction & Table of Specifications (15 Hours) – Education Administration.

- Differentiated Instruction & Active Learning (12 Hours) – Education Office.
- CoRT Thinking Skills Program (15 Hours) – Education Office.
- Research & Laboratory Safety Standards – International Academic Institution.