

## **VITA**

Roy G. Darville  
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East Texas Baptist University  
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### **EDUCATION:**

Ph.D.	Oklahoma State University	1978-1982
M.S.	Lamar University	1977-1978
B.S.	Lamar University	1973-1976

### **TEACHING EXPERIENCE:**

Professor of Biology (Tenure)	East Texas Baptist University	1983-present
Teaching Assistant	Oklahoma State University	1978-1982

### **OTHER WORK EXPERIENCE:**

Senior Agriculturalist(post-doctoral)	Oklahoma State University	1982-1983
Research Associate	Oklahoma State University	1981-1982
Research Assistant	Oklahoma State University	1980-1981
Teaching Assistant	Oklahoma State University	1978-1980
Department Chair	East Texas Baptist University	1989-2019
Associate Dean	East Texas Baptist University	2019-current

### **HONORS:**

1986-1987, 2014-2015, 2020-2021 Piper Foundation Nominee for ETBU  
2014 ETBU Professor with Distinction  
2012-2013 ETBU Faculty of the Year Award (Student Government Association)  
Distinguished Science Lecturer at Jan Dlugosza University, Czestochowa, Poland (May 2010)  
Ramsar Outstanding Science Award, Caddo Lake Institute, (2003)  
Marie Hall Summer Research Fellow – The University of Texas Medical Branch,  
School of Biomedical Studies, Department of Pathology (1989)

### **CURRENT ETBU RESPONSIBILITIES:**

Associate Dean, School of Natural and Social Sciences  
Mace Bearer  
Member, Deans Council  
Member, Teacher Education Council  
Member, Academic Leaders Council  
Member, General Education Institutional Effectiveness Plan Committee  
Chair, Biology and Chemistry Faculty Search Committee  
Member, Ad Hoc Committee on STEM grant  
Science Building Chemical Safety Officer

**EXPERIENCES:**

Member, Medical Mission Trip to Ethiopia (2008)  
 Leader, ETBU Biology Global Study and Serve Trips to China (June 2007, May 2009, May 2011, May 2013, May 2015, May 2017, May 2019)  
 Co-Leader, Baptist Student Ministries Mission Trip – China, May 2016  
 Big Cypress Bayou Watershed Clean River Program Field Scientist (1998-present)  
 United States Ramsar Committee Treasurer (2005-2012)

**ADDITIONAL TRAINING:**

Texas Commission on Environmental Quality – Water Quality Monitoring and *E. coli* testing  
 Project Learning Tree  
 Environmental Issues Forums Moderator Training  
 Ground Truth Studies  
 Principles of Electrofishing  
 Project WILD  
 Project Aquatic WILD  
 Texas Watershed Steward Program  
 Texas Watch Program  
 Geographical Information Systems – Texas Parks & Wildlife Department, Austin, TX

**PROFESSIONAL DEVELOPMENT EXPERIENCES:**

Description	Place	Date
Clean Rivers Program	Hughes Spring, Texas	2022
Reviewer, 3 manuscripts on on biochemistry of fish development	ETBU	2020-2021
Reviewer, 3 manuscripts on biochemistry of fish development	ETBU	2019-2020
Cypress Chapter of Texas Master Naturalist Program	Karnack, Texas	2017, 2018, 2019 2021, 2022
Big Cypress Environmental Flows Meeting	Jefferson, Texas	2019
Interagency Giant Salvinia Control Team Meeting	Shreveport, Louisiana	2017
Big Cypress Environmental Flows Meeting	Jefferson, Texas	2016
Interagency Giant Salvinia Control Team Meeting	Jefferson, Texas	2014
Clean Rivers Program	Hughes Springs, Texas	2014
Clean Rivers Program	Hughes Springs, Texas	2013
Interagency Giant Salvinia Control Team Meeting	Karnack, Texas	2012
Clean Rivers Program	Hughes Springs, Texas	2012
Big Cypress Environmental Flows	Jefferson, Texas	2012

Meeting		
Interagency Giant Salvinia Control Team Meeting	Karnack, Texas	2011
Clean Rivers Program	Hughes Springs, Texas	2011
Interagency Giant Salvinia Control Team Meeting	Karnack, Texas	2012
U.S. National Ramsar Committee Annual Meeting	Salt Lake, Utah	2010
U.S. National Ramsar Committee Annual Meeting	Washington, D.C.	2009
Caddo Lake Watershed Protection Conference	Jefferson, Texas	2009
Interagency Giant Salvinia Control Team Meeting	Karnack, Texas	2009
Big Cypress Environmental Flow Conference	Jefferson, Texas	2008
Caddo Lake Watershed Protection Conference	Marshall, Texas	2006
Big Cypress Environmental Flow Conference	Jefferson, Texas	2006
Big Cypress Environmental Flow Conference	Jefferson, Texas	2005
Joint Academic Conference with Lanzhou U. of Technology	Lanzhou, China	2005
U.S. National Ramsar Committee Annual Meeting	Blackwater NWR, Maryland	2006
Big Cypress Environmental Flow Conference	Jefferson, Texas	2004
White Water – Blue Water Conference	Miami, Florida	2004
8 <sup>th</sup> Conference of the Parties of the Ramsar Convention	Valencia, Spain	2002
Ecological Society of America Annual Meeting	Spokane, Washington	1999
Team Wetlands	Arlington, Virginia	1998
Communities Working for Wetlands	Alexandria, Virginia	1997
North American Lake Management Society Annual Meeting	Houston, Texas	1997
6 <sup>th</sup> Conference of the Parties of the Ramsar Convention	Brisbane, Australia	1996
U.N. (UNESCO) Wetland Ecology Training Course	Czech Republic & Hungary	1995

#### **PRESENTATIONS AND PUBLICATIONS:**

4/13/2023

Title	Location	Date
30 Years of Water Quality Work at Caddo Lake	Uncertain, Texas	February 2023
Caddo Lake Water Quality Trend Analysis 1997-2019	Caddo Lake Institute	October, 2019
A 17 Year Report on Caddo Lake Long-Term Water Quality, 1997-2013	Caddo Lake Institute	July 2014
Caddo Lake Intensive Water Quality and Vegetation Study	Jefferson, Texas	August 2012
A Comparison of Litter Production in Young and Old Baldcypress ( <i>Taxodium distichum</i> [L.] stands at Caddo Lake, Texas	Texas Journal of Science	February 2010
Influence of Water Level and Water Quality on Productivity of Young and Bald Cypress Stands at Caddo Lake	Soc. of Wetland Scientists Washington, D.C.	May 2008
Stand Composition and Litter-fall in a Northeast Texas Baldcypress Swamp	14 <sup>th</sup> Biennial Southern Silvicultural Research Conf. Athens, Georgia	February 2007
Historic and Current Water Quality at Caddo Lake	Caddo Lake Watershed Protection Plan Conference Jefferson, Texas	February 2006
Implementation of the International Ramsar Convention on Wetlands: A Comparative Study of the United States of America and the People's Republic of China	Lanzhou Univ. of Technology Lanzhou, China	July 2005
The Caddo Lake Initiative	Whitewater-Blue Water Conf Miami, Florida	March 2004
Caddo Lake, Water Quality Monitoring, and the Ramsar Convention	San Diego, California Tampa, Florida	November 2003 October 2003
Water Quality Monitoring at Caddo Lake and the Development of a Community-based Wetland Management Group	8 <sup>th</sup> Conference of Parties Ramsar Convention Valencia, Spain	2002
Drinking Water & Environmental Issues	Encyclopedia of	1999

	Environmental Issues	
Convention on Wetlands of International Importance	Encyclopedia of Environmental Issues	1999
Wetlands and Environmental Issues	Encyclopedia of Environmental Issues	1999
Water Pollution Policy	Encyclopedia of Environmental Issues	1999
Case Study 4: Caddo Lake – North America	Wetlands, Biodiversity, & The Ramsar Convention	1997
Cyclic AMP-dependent protein kinase from the salivary glands of the tick, <i>Amblyomma americanum</i>	<i>Insect Biochemistry</i>	1985
Effect of naphthalene on the hemolymph ion concentrations of <i>Chironomus attenuatus</i> and possible mode of action	<i>Environmental Chemistry &amp; Toxicology</i>	1984
The effect of naphthalene on the oxygen consumption, hemoglobin concentration, and glycogen content of <i>Chironomus attenuatus</i> , and the oxygen consumption and life cycle of <i>Tanytarsus dissimilis</i>	<i>Environmental Chemistry &amp; Toxicology</i>	1984
Macrobenthos of Pine Island Bayou in the Big Thicket National Preserve, Texas	<i>Hydrobiologia</i>	1980

## CURRENT RESEARCH

1. I continue to monitor on a quarterly basis the water quality of Caddo Lake and its watershed. I work with consulting companies and state agencies as the lead water quality specialist in the Big Cypress Bayou Watershed.