



William F. Penwell, PhD. is currently a professor of biology at Jacksonville University. He authors the “Fecal Indicator Bacteria” section of the *2022 State of the St. Johns River Report*.

Dr. Penwell's research interests focus on three major areas: 1) virulence factors used by the human pathogen, *Acinetobacter baumannii*, 2) antibiotic discovery from environmental bacteria, and 3) bacteria iron acquisition. Dr. Penwell is a member of the American Society of Microbiology. He has supervised 15 undergraduate students at Jacksonville University.