

**Dr. Mohammad Salman Yassin**

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***Objectives:***

- Participate in collaborative scientific work where my talent and energy can be used to benefit the public and enhance my personal growth.
- Teach high level engineering and scientific courses with the ultimate goal of helping young engineers and scientists reach their full potential.
- Conduct scientific research that would lead to the protection of public health and the environment.
- Engage in engineering and scientific consulting.

***Work Experience:***

**Mississippi Department of Environmental Quality (MDEQ)**

515 E. Amite Street

Jackson, MS 39204

February 1992 - Present (Full-time)

**Environmental Engineer IV**

***Duties and Related Skills:***

- Supervise a team of engineers and scientists in compliance/enforcement activities, to ensure the compliance of industrial companies with the Clean Air Act, Clean Water Act (Pretreatment, NPDES, and Stormwater), and Resource Conservation and Recovery Act (Hazardous Waste).
- Evaluate and implement cleanup plans for sites contaminated with hazardous waste in Mississippi.
- Develop and update branch strategic business plans that are consistent with the agency's missions and goals.
- Form and lead interdisciplinary teams to meet the agency's needs.
- Allocate and schedule resources to execute the workplan required by the agency.
- Conduct performance appraisals and maintain individual development plans for staff.
- Prepare clear and concise policy guidance documents for professional engineers and scientists.
- Prepare technically complex correspondence and reports for submittal to peers, higher authority within MDEQ and outside agencies.
- Give oral presentations at conferences and meetings to senior industry officials, academia, and governmental agencies.
- Establish and maintain good working relationships with other agencies, interest groups, professional associations, internal and external clients.

**Jackson State University**

Civil Environmental/Engineering Department

1400 Lynch Street

Jackson, MS 39217

January 2006 – Present (Part-time, two graduate courses per semester)

**Adjunct Professor**

***Duties and Related Skills:***

- Teach graduate level courses in Environmental Engineering, Engineering Hydrology, Engineering Hydrogeology, Small Watershed Hydrology, Advanced Design of Hydraulic Structures, Environmental Geology for Engineers, Air Pollution and Control, Land Disposal of Waste (Solid and Hazardous Wastes, Underground Storage Tanks, Landfill Design), Biological Processes in Wastewater Treatment, Water Resources Modeling, Watershed Modeling, Hydrologic Routing Modeling, Flood Routing Modeling and Dam Break Analysis.
- Assist in identifying and managing resource requirements for the department.
- Review study proposals, progress reports, and final products for technical quality, consistency, and adequacy.
- Supervise Master's and Ph.D. students in a variety of activities and disciplines related to environmental engineering and environmental science.
- Assist in writing research proposals that address significant knowledge gaps or engineering needs.

### **U.S. EPA, Office of Research and Development**

National Center for Environmental Research  
Washington DC, USA

March 2013 – present

#### Peer-reviewer

##### *Duties and Related Skills:*

- Participated in the following panels: People, Prosperity, and Plant (P3); Science to Achieve Results (STAR); Small Business Innovative Research (SBIR); Greater Research Opportunities (GRO) Fellowship; Water Infrastructure Modeling.
- Conducted evaluations of research applications.
- Discussed applications with panel members, made recommendations, and wrote summary evaluations.

### **National Science Foundation (NSF)**

Washington DC, USA

March 2014 – present

#### Peer-reviewer

##### *Duties and Related Skills:*

- Participated in Environmental Engineering Panels.
- Conducted evaluations of research applications.
- Discussed applications with panel members, made recommendations, and wrote summary evaluations.

### **United States Agency for International Development**

Consortium for International Development

March 2004

#### Investigator

##### *Duties and Related Skills:*

- Evaluated the needs of the University of Mosul (Iraq), in order to adequately retool and revitalize it.
- Recommended steps for recovery and retooling.
- Wrote a comprehensive report detailing issues facing the university, causes, and potential solutions.

### ***Education:***

The University of Mississippi  
Oxford, MS  
Doctorate - August 2005  
GPA: 3.80 of a maximum 4.0  
Major: Civil Engineering  
Honors: Magna Cum Laude

The University of Mississippi  
Oxford, MS United States  
Master's - December 1994  
GPA: 3.80 of a maximum 4.0  
Major: Civil Engineering  
Honors: Magna Cum Laude

The University of Szczecin  
Szczecin, Poland  
Bachelor's/Master's Degree - March 1989  
GPA: 4.25 of a maximum 5.0  
Major: Civil/Architectural Engineering

### **Research Interests:**

- Water Resources Engineering
- Water Reuse Technologies
- Biological Processes in Environmental Engineering
- Chemical Processes in Environmental Engineering
- Carbon, Nitrogen, Phosphorus, and Sulfur Cycles in the Environment
- Environmental Modeling
- Waste Management and Disposal

### **Licenses:**

- Professional Engineer (PE)
- Board Certified Environmental Engineer (National)
- Certified Public Manager

### **Affiliations:**

- Mississippi Board of Registration for Engineers and Land Surveyors - Professional Engineer (Member)
- The American Academy of Environmental Engineers - Board Certified Environmental Engineer (Member)
- National Science Foundation (Peer reviewer)
- National Environmental Research Center – USEPA (Peer reviewer)
- United States Agency for International Development (Consultant)
- Criminal Investigation Division – USEPA (Investigator)

### **Language Skills:**

- Fluent in English and Arabic
- Functional in Polish