

Dr. Mohammad Yassin

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Objectives:

- Manage environmental programs at public or private institutions.
- Participate in collaborative scientific work to benefit the public and protect the environment.
- Engage in engineering and scientific consulting.

Work Experience:

Scene Environmental Engineering Solutions, LLC

112 Hunt Circle
Madison, MS 39110

July 2017 – Present

Founder/President

Duties and Related Skills:

- Hazardous Waste compliance and remediation.
- Water, Wastewater, Stormwater permitting and compliance.
- Air Pollution Control permitting and compliance.
- Water and Wastewater Systems design and remediation.
- Hydraulic Structures design.
- Environmental Audits

Jackson State University

Civil Environmental/Engineering Department
1400 Lynch Street
Jackson, MS 39217

January 2006 – Present

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 the university in identifying and managing resources for the Civil Engineering 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 the university in writing research proposals that address significant knowledge gaps or engineering needs.

Mississippi Department of Environmental Quality (MDEQ)

515 E. Amite Street
Jackson, MS 39204

February 1992 – June 2017 (Retired)

Environmental Engineer IV

Duties and Related Skills:

- Supervise a team of engineers and scientists to ensure industrial companies comply 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 contaminated sites in Mississippi.
- Develop and update branch strategic business plans that are consistent with the agency's mission and goals.
- Allocate and schedule resources to execute agency's workplan.
- 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, and internal and external clients.

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:

- Participate 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.
- Conduct evaluations of research applications.
- Discuss applications with panel members, make recommendations, and write summary evaluations.

National Science Foundation (NSF)
Washington DC, USA

March 2014 – present

Peer-reviewer

Duties and Related Skills:

- Participate in Environmental Engineering Panels.
- Conduct evaluations of research applications.
- Discuss applications with panel members, make recommendations, and write summary evaluations.

United States Agency for International Development - Consortium for International Development

March 2004

Investigator

Duties and Related Skills:

- Evaluated the University of Mosul's (Iraq) needs for recovery, retooling, and revitalization.
- Wrote a comprehensive report detailing issues facing the University of Mosul, 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)
- National Center for Ecological Analysis and Synthesis (NCEAS), 2017 Open Science for Synthesis Gulf of Mexico (Participant)
- The National Council of Examiners for Engineering and Surveying (NCEES)

Language Skills:

- Fluent in English and Arabic
- Functional in Polish