



Dr. Ahmed Bilal  
Chairperson and Consultant  
Department of Civil  
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University of Wah

**Contact Information:**

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**Education**

- Ph.D. Civil Engineering  
(Hydraulics and River  
Dynamics)  
Hohai University  
2020

**Dr. Ahmed Bilal, Assistant Professor and Consultant at University of Wah**

**Emerging Areas of Interest**

- River and Estuarine Flow
- Flood Hazard Assessment and Risk Management
- Scour Predictions and Assessments
- Sediment Transport / Hydraulic Modeling and Simulation

**Professional Summary**

A dedicated academic and consultant with extensive experience in river and estuarine flow dynamics (both tidal and non-tidal), flood risk assessment, and hydraulic simulations. My expertise includes Scour Predictions and Sediment Transport Analysis, with an emphasis on applying cutting-edge research to real-world challenges. Through personalized consultancy services, policy analysis, collaboration, and technical innovation in water resource engineering, I aim to give tailored solutions to local and international clients in industry and government agencies.

**Key Skills and Strengths**

- Numerical Modeling packages (Delft3D, HECRAS)
- GIS tools like QGIS, Surfer, GRASS for water resources
- Python for data and geospatial analysis
- Policy Development and Strategic Advisory

**Recognitions**

- 5 Scientific papers in high impact factor journals
- 2 conference papers and presentations in renowned water resource association IAHR

**Memberships and Affiliations**

- P.E. (Pakistan Engineering Council)
- Member, IAHR

**Availability and Consulting Terms**

- Open to short- and long-term consulting work in water resources, both independently and collaboratively. Sustainability and environmental impact are key considerations in all my consulting projects. I am also available for research-based collaborations, proposal writing, and technical workshops. Flexible with consultation assignments, I am committed to tailoring my services to meet the specific needs of each project.