

Peyman Badiei

Personal Information:	Nationality: Iranian Date of birth: Apr. 21 st 1957 Place of birth: Tehran, Iran
Education:	1991 – 1996, PhD in Civil Engineering (Coastal Engineering), Queen's University, Kingston, Canada. 1988 – 1990, MS in Computational Hydraulics, IHE – Delft, The Netherlands. 1984 – 1986, MS in Civil Engineering (Structural Engineering) University of Tehran. 1975 – 1980, BS in Civil Engineering, University of Tehran.
Public Occupations and Services:	2003 – present. Department of Civil Engineering, Faculty of Engineering, University of Tehran. Associate Professor, Marine and Coastal Engineering 2004- 2017 University of Tehran Water Institute, Member of the Board 2017 – present. University of Tehran Water Institute, Head 1997 – 2003. Department of Civil Engineering, Faculty of Engineering, University of Tehran. Adjunct Lecturer 1998 – 2003. Water Resources Management Organization of Iran Head of the Department of Research and Basic Studies and Member of the Board of Directors 1996 – 1998 Water Research Center, Ministry of Energy , Tehran – Iran Research and Technical Deputy Director 1990 – 1991 Water Research Center, Ministry of Energy Research and Technical Deputy Director 1986 – 1988 Water Research Center, Ministry of Jihad Research and Technical Deputy Director 1982 – 1984 Military Service Division of Engineering Services, Islamic Revolutionary Guards.
Private Services:	2007 – present Khak Baft Consulting Engineers. Technical Supervision in coastal engineering projects. 2010-2011. Mahab Ghods Consulting Engineers Head of Board of Directors 2004 – 2007. Sazeh Pardazi Iran Consulting Engineers. Technical supervisor in coastal engineering projects.

Projects Involved

- 2004 – present. University of Tehran Water Institute
- Two research projects on the development of mathematical models on coastal hydrodynamic and cohesive sediment transport
- Qheshm Island Shoreline Management Plan
- Gotvand Reservoir Salinity Mitigation Measures
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- 2007 – present, Khak Baft Consulting Engineers
- Basic studies and detail design of more than 15 ports and coastal engineering projects (desalination plants, shipyards,...)
- Master plan of passenger ports in Iran
- Member of the Client Supervisory Committee for National and Hormozgan Provincial ICZM studies
- National ICZM Monitoring and Evaluation Plan
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- 2004 – 2007, Sazeh Pardazi Iran Consulting Engineers
- Basic and detailed design of more than five coastal engineering projects including commercial, fisheries and oil ports, power plants.
- Anzali port development project;
- Kish Island Integrated Shoreline and Environmental Management Plan.
- Shahid Beheshti (Chabahar) port development project; jointly carried out between Sazeh Pardazi Iran and Royal Haskoning (the Netherlands).
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- 2003 – 2004 Water Research Centre
- Anzali Port hydrodynamic, sedimentation and morphodynamic studies.
- Bandar Imam hydrodynamic, sedimentation and morphodynamic studies. Persian Gulf. Khuzestan Province. Client: P.S.O. Technical advisor.
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- 1998 – 2003 Water Resources Management Organization of Iran
- Detection of the technical needs of Water Sector and translating them into research projects to be carried out by research institutes and universities.
- Preparation of technical standards for Water Sector.
- Nation-wide management of hydro-meteorological data collection system including storage, processing, analysis and preparation of various levels of short and long term reports.
- Project manager, of two simultaneous integrated water resources managements of Urumieh Lake Basin and Sistan flood plain. These Projects were jointly financed and carried out through an inter-governmental agreement between IR of Iran and the Netherlands. A group of Dutch Companies and Institutes such as Delft Hydraulics and RIZA from the Netherlands and Water Resources Research Institute from Iran were jointly involved in this study.
- Establishment of Iran Cloud Seeding Center.
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- 1996 – 1998 and 1990 - 1991 Water Research Center (WRC)
- In charge of management and technical supervision of all the projects carried out by the Center in the fields of physical scale modeling, laboratory measurement and analysis, mathematical modeling and site investigation.
- Directly involved in the following projects:
- Project manager, Integrated Karun River Training Study, jointly carried out by WRC, Sazeh Pardazi Iran and Dezab consulting engineers. Khuzestan Province. Client: Water and Power Authorities of Khuzestan Province.

- Sedimentation of Iran Bandar Military Port in Konarak – Chabahar through mathematical modeling and field investigation. Oman Sea. Client: Three Members Committee, Ministry of Road and Transportation.
- Sedimentation and water recirculation study of Neka Power Plant by mathematical modeling, field investigations and desk studies. Client: Tavanir Company, Ministry of Energy.

Publication:

- More than ten peer reviewed ISI journal papers
- More than thirty national and international congress papers

Academic
Experiences:

Courses taught:

- Sediment transport in rivers, and coastal environments
- Coastal engineering
- Introduction to marine hydraulics
- Physical models in hydraulic engineering
- Computational hydraulics
- Advanced marine hydrodynamics

All the above courses are taught at graduate level (for MS and PhD students).

Thesis supervised:

- Supervision of more than 40 MSc and PhD thesis

Professional
Membership

- Member of Iranian Hydraulic Association (IHA).
- Member of the board of directors of IHA for two consecutive periods
- Secretary of IHA for two consecutive periods (1996 – 1999).
- Member of the Water Commission, National Research Council, (1999 – 2003).
- Member of National Hydrologic Committee affiliated to UNESCO. (1999 – 2001).
- Member of National Hydrologic Committee affiliated to UNESCO. (2006 – present)

Languages

Fluent in English