

# Short Bio

## Mohammad I. Shahbaz

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### WORK ADDRESS

Director General,  
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### PERSONAL

Born on the 15<sup>th</sup> October 1955,  
Married, with four children.

### EDUCATION

- 1981-1983 **M.Sc.** (by research) Chemical Engineering 1983, Queens University of Belfast, UK. Thesis title “Design Optimization for Protein Recovery from Effluents Using Dissolved Air Flotation”.
- 1976-1979 **B.Sc.** Mechanical Engineering, Honors 1970. University of Manchester, UK.

### JOB EXPERIENCE

**1983-1989** Employer: Ministry of Municipal and Rural Affairs and the Environment (MMRAE).

Department of the Environment,  
Head of Water Protection Division.

**1989-1994** The Higher Council for Science and Technology (HCST),

- Assistant Director, Environmental Sector (1989)
- Development Cooperation Sector (1992).  
Assistant Manager, EC/ Jordan Science and Technology Cooperation  
Project Phase III.

**1995-2004** Director, Jordan Badia Research and Development Programme,

**2005-2011** President, Badia Research and Development Centre, BRDC.

**2011-2017** Advisor, National Center for Research and Development.

**2017-up to date** Strategic Planning and Management Advisor,  
Director General,  
Royal Botanic Garden-Jordan

**1997-2005** Advisor and National Team member to the Cabinet of Ministers of the  
Government of Jordan, UN Environmental Gulf War Compensations, National  
Task Force.

Responsibilities:

- Team leader for the Terrestrial Environmental Damage Claim during the  
Gulf war 1991,
- The State of Jordan was compensated **\$162 million**.

## **PUBLICATIONS**

1. "Mussel Protein Recovery Using Dissolved Air Flotation", Journal of Food Engineering, 5, 1986, pp. 135-151.
2. "Dissolved Air Flotation as a Means for Protein Recovery", The World Congress III of Chemical Engineering, September 1986, Tokyo-Japan.
3. "Utilization of Chitosan in Mussel Protein Recovery", Irish Journal of Food Science and Technology.
4. "The National Environmental Strategy", Water Sector Drafting Committee, 1992.
5. "Science and Technology Policy and Strategy in The Environment Sector". Formulation and Execution Plan, Policy Analysis, 1993.

6. "Optimum Utilization of Industrial Effluents Regarding Treatment and Reuse", 1994.
7. Resource Use, Rehabilitation, Reuse, Reduce and Recycle Within The Economic Cycle. A concept paper, The International Conference in "Changing Towards Environment Economics" Jordan Environment Society-Amman, 1994.
8. Integrating Health and Environment Considerations in Planning for Sustainable Development in Jordan, WHO, 1994.
9. Jordan National Strategy and Action Plan: To Combating Desertification, 2006, Authors member, UNDP (Drylands Development Center) - Ministry of Environment/ Jordan.
10. Badia Research Monograph I, 1998.
11. Badia Research Monograph II, 2008.
12. Forward, "Badia: the Living Desert", 2011.
13. Pre-feasibility study for the Wadi Al Walla/Jordan reservoir extension, and raising the dam, sponsored by UN Environmental Gulf War Compensations, in cooperation with Jordan Ministry of Water and Irrigation, 2013.
14. Coauthor, Bassam Sunaa: Azraq Water Basin land use planning scenario, published by USA Forest Service, Land Stewardship proceedings.

## **OTHER RESPONSIBILITIES AND ACTIVITIES**

- A member of the Jordan Environment Society (JES) actively involved in the Scientific Committee, 1987.
- A technical contact person for the Inter-Governmental Panel on Climate Change (IPCC), 1989.
- Member of the UNESCO Chair for Desertification Research at Yarmouk University, 1998, up to date.
- Member of the National Selection Committee for the Global Environmental Facility/ World Bank, 1998.
- Member of the International Arid Lands Consortium based at the University of Arizona, 1998.

- Member of the Research Deanship, Jordan University for Science and Technology, JUST, 1998.
- Member of the Research Deanship, Al Bulqa Applied University, 1999.
- Member of the National Technical Committee and Project Management Unit for the assessment of the first gulf war environmental damages and claims, 2000.
- Member of the Royal Commission to establish IT Community Centers in Jordan, 2000-2008.
- Member of the National Committee to Combat Desertification, 2001.
- Member of the Royal Commission to Rehabilitate Camel Population in Jordan, 2001.
- Chairman of the National Conservation Committee of the International Union for the Conservation of Nature (IUCN), 2001.
- Chairman of the International Study Team for the Middle East Watershed Monitoring Project, 2002.
- Co-author of the National Action Plan to combat desertification 2006.
- Member of the board for the Institute of Earth Sciences and Environment at the Al al Bayt University, 2005.
- Member of the board of the Faculty of Natural Resources, Hashemite University.
- Chairman of the Regional Committee for West Asia, International Union for the Conservation of Nature, **IUCN**, 2005 up to date.
- Member of private sector engagement task force, IUCN, 2006.
- Elected Councilor, **IUCN**, 2009-2012 and 2013-2016.
- As an IUCN councilor, Chairman of the Governance and Constituency Committee, 2013-2016.
- As an IUCN councilor, Chairman of the IUCN World Conservation Congress preparatory committee in Hawaii, 2016.
- Member of the National Biodiversity Committee, 2019.