

RESUME

Reza Maknoon



1) General Information

Name & Family name: Reza Maknoon

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Place & Date of Birth: Tehran, Iran, 26, Dec, 1944

2) Education:

PhD: University of Washington,
Seattle, WA. U.S.A – 1977
(Environmental Engineering)

MS: University of Illinois, Urbana, ILL,
U.S.A – 1973

BS: Amir Kabir University of Technology
Tehran, Iran – 1967
(Civil and Environmental Engineering)

3) Scientific Membership & Affiliation

1. Faculty Member: Amir Kabir University of Technology, Civil and Environmental Engineering Department, Tehran, Iran, 1977 – Present
2. Supreme Council of UNESCO in Iran, (Member) 1983 – Present
3. Iranian National Committee on Hydrology (Member & Past President) 1986-present
4. Research Council of Islamic Republic of Iran (Member) 1993 – Present
5. Board of Trustees for Research Institutes resides in Tehran (Member) 1991 – Present
6. Iranian Committee on Large Dams (Member & Past President) 1986 – Present
7. Supreme Council for Environmental Protection (Member) 1993 – 1997
2001 – Present
Chaired by the President of the Islamic Republic of Iran

8. Iranian National Committee for Sustainable Development (Deputy to the Chairperson)
1995 – Present
9. Member of the Asia Pacific Forum for Environment & Development (APFED) Chaired by H.E.Ryutaro Hashimoto (Former Prime Minister of Japan)
10. Rahyaft – Science Policy Quarterly Journal (Managing Director), Iran
1993 – Present
11. Editorial Board: Environmental Studies – Quarterly Journal, Iran
12. Iranian Society of Environmentalists: Vice – President
13. Iranian Society of Civil Engineering: Vice – President
14. Iranian Water Resources Association: Former President

4) Occupation and Experiences:

- President of the Technical University (University of Khajeh Nassir Toosi) Tehran, Iran, 1980 – 1982
- Vice Minister for Research, Ministry of Science & Technology, Iran, 1982 – 1985
- Vice Minister for Research and Training, Ministry of Energy, 1985 – 1989
- Deputy to the First Vice President, Islamic Republic of Iran, 1989 – 2002
- Deputy Chairperson Iranian National Committee for Sustainable Development (1995-present)
- Advisor to the Vice President & Head of the Department Of Environment
2000-Present
- Special Advisor For Water Affairs, Ministry of Energy 2002-present

5) Research & Teaching

a) Teaching:

At graduate level:

- Environmental Impact Assessment for water resources development.
- Environmental Engineering
- Water & Wastewater Engineering
- Water Quality Management

b) Research & Thesis Supervision (MS& PhD Students) topics:

- Systematic Approach to the Water Resources Management
- Strategic Environmental Impact Assessment
- Ex. Post Analysis of Dams Construction
- Sustainable Groundwater Management

And member of more than 35 committees for Thesis

c) Publications

71 Publication and Conference Presentations at the following areas:

1) *Sustainable Development*

- Green technology
- Engineering education & sustainable development
- Procedure for sustainable development planning
- Principles of sustainable development planning

- Road map for sustainable energy development
- Trends in sustainable development attitude during the last two decades
- WSSD & its impacts on the national strategy for sustainable development
- "Green Approach" the great outcome of sustainable development planning
- Design & construction of green building
- Green building & energy efficiency
- Sustainable development & life cycle cost analysis
- Sustainable urban development
- University challenges for sustainable development
- Mines and sustainable development
- Iran 2020
- Iranian national strategy for sustainable development

2) *Water Resource Developments*

- Flood protection considerations for reconstruction of damaged cities.
- Water resources development & sustainable development at international & national level.
- Population growth, environment & water resources: Iran challenges for the year 2020
- Integrated water resources development, strategy for the Iranian five years development plan 2005-2009

3) *Environmental Impact Assessments (EIA)*

- Dams construction & EIA
- Chronological review of EIA & dam construction
- Ex. post dams construction evaluation
- Strategic environmental assessment (SEA) of water resources development

4) *Research Policies*

- Iranian vision for research priorities
- The role of research for national development
- Iran research policies
- Systematic approach for establishing research priorities
- The role of science and technology at the 3rd Iranian development plan (2000-2004)
- Science at the 21st Century and the Iranian Challenges.
- Funding university expenses, Iranian challenges for the next decade.
- An introduction to the "Knowledge for Development" – case of Iran.

5) *Human Development and Higher Education*

- Iranian engineering manpower, analyzing 50 years national of plan: 1950-2000
- entrepreneurship & occupation
- Technical and vocational training, a sustainable development way for population growth problem
- Life time education and sustainable development
- University challenges for global and social development
- Higher education strategy for job creation in a sustainable development manner.

6) *Awards:*

1. Distinguish faculty member
President award – Ministry of Culture and Higher Education, 1993
2. Official order of the third class for services
President Award: Islamic Republic of Iran, 1992

7) *National Contributions:*

1. Proposal for "Green Government" to the I.R.Iran Cabinet (through Department of Environment)
Approved by the Islamic Republic of Iran Cabinet, 2003.
2. Organizing the Iranian National Conference for Sustainable Development Planning 2000.
3. Deputy and coordinator for the Iranian Delegate to the Earth Summit (UNCED) Rio, 1992 (Chaired by The First Vice President I.R.Iran)
4. Deputy and coordinator for the Iranian Delegate to the World Summit on Sustainable Development (WSSD) Johannesburg, 2002 (chaired by the Vice President and Head of DOE)
5. Proposal for the first Iranian "Green University" – Amirkabir University of Technology, (Approved 2002)