

**CURRICULIM VITA (IN BRIEF)**



**A-PERSONAL DATA:**

-Name & Family Name: Javad Farhoudi (PhD)  
-Date of Birth: 27/08/1943  
-Place of Birth: IRAN  
-Title: Professor  
-Academic Position: Distinguished Professor in National Level  
(Currently is an Emeritus Member of UT)  
-Academic Address:  
Dept. of Irrigation & Reclamation Engineering,  
Faculty of Agricultural Engineering & Technology,  
University College of Agriculture & Natural Resources,  
University Of Tehran  
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**B-QUALIFICATION:**

BSc. Irrigation Engineering, Dept of Irrigation, Faculty of Agriculture, University of Tehran, 1973

G.Diploma, Soil& Water Engineering, NCAE, Silsoe, Bedford, UK, 1976

PhD, Hydraulics Structures, Civil Eng. Dept., Southampton University, UK,1979

**C-RESEARCH ACTIVITIES:**

Investigation on local sour downstream of stilling basins, 1977-79

Design of Band diversion dam, Urmia, Iran, 1980-1981(operating now)

Design of Emamzadeh diversion dam, Urmia, Iran, 1980-81(operating now)

Investigation on induced force fluctuations by the hydraulic jump on stilling Basins, UMIST, UK, 1989

Investigation on force field (mean &fluctuating) over the baffle blocks in the Stilling pools, UMIST, UK, 1990

Investigation on pressure fluctuations over the baffle blocks in the stilling Basins, UMIST, UK, 1990

Investigation on the river training and bank protection measures in Nazloo-Chai River, Urmia, Iran, 1992

Investigation to improve the quantitative & qualitative reliability of basic Hydrological Data in Iran, 1993

Investigation on pressure field around chute blocks in SAF basins, Queensland University, Australia, 1993

Research on bed-load movement created by vortex device, Urmia University, Iran, 1994

Research on scale relationship for scour around bridge piers, Urmia University, Iran, 1996

Research to create a new layout for rectangular broad crested weirs, Urmia University, Iran, 1997

Investigation on an analytical approach to define the hydraulic jump in different shaped channel sections, Urmia University, Iran, 1997

Research to develop the relationships for designing the riprap protection downstream of stilling basins, Urmia University, Iran, 1998

Research on the influence on length parameters in designing the riprap protection downstream of a spillway, University of Tehran, Iran, 1999

Research on the influence on length parameters in designing the riprap protection downstream of the plunging jets, University of Tehran, Iran, 2000

Research to develop a new layout for baffled aprons, University of Tehran, Iran, 2000

Research on the effect of slope of upstream face in broad crested rectangular weir on its discharge efficiency, University of Tehran, Iran, 2000

Research to develop the design criteria for riprap protection downstream of stilling basins using the mean velocity, University of Tehran, Iran, 2005-2006

Research on the effect of slope of upstream face in broad crested rectangular weir on its discharge efficiency, University of Tehran, Iran, 2006-2007

Research on the slope effect of downstream face in broad crested rectangular weir on its discharge efficiency, University of Tehran, Iran, 2005 -2006.

Research on the effect of flow depth on Manning coefficient in open Channels, University of Tehran, Iran, 2005-2006

Research to develop the design criteria for riprap protection downstream of sluice gates, University of Tehran, Iran, 2006.

Research on the flow characteristics and sediment charge in off -takes, 2006.

Research on flow characteristics and sediment trap efficiency in vortex chamber, University of Tehran, Iran, 2007.

Research on the effect of flow depth on Manning's coefficient in rough bed open channels, University of Tehran, Iran, 2007.

Research on the slope broad crested rectangular weir with varied crest length on its discharge efficiency, University of Tehran, Iran, University of Tehran, Iran, 2008.

Research on the effect of cross square bars on characteristics of hydraulic jump, University of Tehran, Iran, 2008.

Research on the effect of hydraulic properties of vortex tube on its trap efficiency jump, University of Tehran, Iran, 2008

Research on the effect of end sill geometry on the evolution of scour hole downstream of stilling basins, University of Tehran, Iran, 2008

Research on the effect of cross trapezoidal bars on characteristics of hydraulic jump, University of Tehran, Iran, 2009

Research on the effect of cross triangular bars on characteristics of hydraulic jump, University of Tehran, Iran, 2009

#### **D-ACADEMIC ACTIVITIES:**

Lectures Given at BSc Level:

- Irrigation Engineering,
- Drainage Engineering,
- Hydraulics,
- Open Channel Hydraulics,
- Hydraulic Structures, &
- Water Resources Management

Lectures Given at MSc Level:

- Advanced Open Channel Hydraulics,
- Hydraulic Models,
- Check Drop Structures, &
- Sediment Transport

Lectures Given at PhD Level

- Advanced Physical Models, &
- Intake Structures

#### **E-TECHNICAL PAPERS & PUBLICATIONS:**

J.Farhoudi, K.V.H. Smith, 1982, "*Time scale for local scour downstream of hydraulic jump*", ASCE.Hy.10, Oct.

J.Farhoudi, 1984, "*Measures and policies for best detention and utilization of water resources*", 1<sup>st</sup> National Conference on Economical Use of Agriculture, Domestic & Industrial Water Resources, Tehran, Iran (Farsi).

J.Farhoudi, , 1984, "*A new theoretical method to compute the characteristics of hydraulic jump*", Journal of AB, Ministry of Energy, Tehran, Iran (Farsi).

J.Farhoudi, 1985, "*Sediment flushing at Sefidroud Reservoir*", SIWARP, University of Roorkee, India.

J.Farhoudi, 1985, "*IRCOLD's country report*", 15th Congress of International Commission on Large Dams (ICOLD), Lausanne, Switzerland.

J.Farhoudi, 1985, "*A new approach for economical sections of open channels*", Journal of AB, No.5, Ministry of Energy, Tehran, Iran (Farsi).

J.Farhoudi, K.V.H.Smith, 1985, "*Local scour profiles downstream of hydraulic jump*", IAHR, Nov.

J.Farhoudi, 1985, "*Check Drop Structures in Irrigation Systems*", published by the Ministry of Energy, Tehran, Iran (Farsi).

J.Farhoudi, 1987, "*Principles and Methods of Irrigation*", text for BSc.Students, published by Irrigation Department, University of Urmia, Urmia, Iran (Farsi).

J.Farhoudi, ,1988, "*Principles of Drainage*", text for BSc. Students, published by Irrigation Department, University of Urmia, Urmia, Iran (Farsi).

J.Farhoudi,1988, "*Intoductory Hydraulics*", text for BSc. Students, published by Irrigation Department, University of Urmia, Urmia, Iran (Farsi).

J.Farhoudi,1988, "*Water Conveyance Systems*", text for BSc. Students, published by Irrigation Department, University of Urmia, Urmia, Iran (Farsi).

J.Farhoudi , 1988, "*Occurrence of secondary currents in open channels*", Journal of AB, Ministry of Energy, Tehran, Iran (Farsi).

R.Dadmehr, J.Farhoudi , 1989, "*A.D.I studies for simulating of ground water resources*", 1st conference on Hydrology, Tehran, Iran, 10-A theoretical model to define the profile of hydraulic jump, Journal of AB ,Ministry of Energy, Tehran, Iran, 1990 (Farsi).

J.Farhoudi, R.Narayanan, 1991, "*Force on slabs beneath hydraulic jump*", ASCE, Hy.1, Jan.

J.Farhoudi,1992, "*Open Channel Hydraulics*", text for BSc. Students, published by Irrigation Department, University of Urmia, Urmia, Iran(Farsi).

J.Farhoudi, 1993, "*Cavitations inception possibilities around baffle blocks in stilling basins*", Scientific Journal, University of Science & Industry. Tehran, Iran

J.Farhoudi, 1993, "*Pressure field around baffle blocks*", Journal of AB, Ministry of Energy, Tehran, Iran.

J.Farhoudi,1993, "*Physical Modeling Techniques*", text for MSc. Students, published by Irrigation Department, University of Urmia, Urmia, Iran

J.Farhoudi, 1994, "*Report on improving the quantitative & qualitative reliability of basic Hydrological data in Iran*", National Council for Scientific Researches, Tehran, Iran.

J.Farhoudi, R.E.Volker, 1995, "*Drag force acting on baffle blocks*", IJWRE, Vol.3, No.1, spring.

J.Farhoudi, M.Nasehi, 1998, "*Scour profile equation downstream of vertical drop*", 2nd Hydraulics Conference, IHA, USTI, Tehran, Iran.

*Scientific Glossary of Irrigation & Drainage*, Member of the Committee for Irrigation, Department of Agriculture, Science Academy of IR.Iran, Tehran, 1999 (Group Publication).

E.Valizadeghan, J.Farhoudi, 2001, "*Assessing the bed protection with riprap downstream of stilling basins*", 1st Research conference on water & soil resources, Urmia Univ., Iran.

J.Farhoudi, E.Valizadeghan, 2003 "*Scour protection with riprap downstream of stilling basins*", 6th IREC, Shahid Chagrin Univ., Iran.

J.Farhoudi, E.Valizadeghan, 2004, "*Bed protection criterion downstream of stilling basins*", 9th ISRS, China.

J.Farhoudi, H.Shah Alami, 2005, "*Influence of upstream slope in rectangular broad crested weir on its discharge efficiency*", International Journal of Civil Engineering, Vol.3, No.1, March.

J.Farhoudi, 2005, "*Application of physical models to design water conveyance networks*", Workshop on model development in irrigation & drainage, Ministry of Energy, Tehran, Iran.

J.Farhoudi, A.Malekpour, S.Javadi, 2006, "*Assessing the relation between sedimentation and incipient motion to determine the true roughness coefficient in left canal of Sangar Dam*", conference on irrigation & drainage networks, Chamran University, Ahvaz, Iran.

J.Farhoudi, M.Rajabi, H., 2006, "*Assessing the effective factors on cost and duration of water resources projects*", seventh international congress of civil engineering, Tarbiat Modarres University, Tehran, Iran.

J.Farhoudi, N.Shokri, 2007, "*Flow from broad crested rectangular weirs with sloped downstream face*", 32nd IAHR Congress, Venice, Italy.

J.Farhoudi, A.Sattari, H.Rahimi, 2007, "*Effect of flow depth on Manning's coefficient*", 6<sup>th</sup> conference on hydraulics, Shahr Kord University, Shahr Kord, Iran.

J.Farhoudi, S. M. Sadat .H and A. Habibzadeh. G, "*Design of Stable Riprap Downstream of Stilling Basins Using Flow Mean Velocity*", sent to ICE, 2008

- M, Sadat and J.Farhoudi, "*Riprap Sizing At Downstream Of Stilling Basins*", River Flow, IHAR, September 2008, Turkey
- J. Farhoudi & P.Pourjabbar, 2008, "*Criterion for bed protection downstream of stilling basins*", RiverFlow, IHAR, September 2008, Turkey.
- M.A.Esfahani,E.Amiri.T and J.Farhoudi,2006, "*Experimental study of longitudinal velocity distribution in 180<sup>0</sup> bends with solid bed and walls*",7<sup>th</sup> International Seminar on River Engineering, Shahid Chairman University, Ahvaz, Iran.
- J.Farhoudi, 2007, "*Variation of Mean Pressure around Chute Blocks of SAF Stilling Basins*" Journal of Agr.Science, Tabriz University, No.4 Vol.17.
- M.Esmaeili.V, J.Farhoudi and M.H.Omid, 2008, "*Experimental Study of Hydrodynamic structure of diverted flow and sediment loads to intakes of 90<sup>0</sup>*", Journal of Technical and Engineering, Karaj, Iran.
- N.Shokri, J.Farhoudi, E.Goudarzi, 2008, "*Influence of downstream and upstream face slope of broad crested rectangular weirs on flow characteristics*" Journal of Faculty of Engineering, Vol.37, No.3, pp.9-19 (Farsi).
- J. Farhoudi<sup>1\*</sup>, S. M. Sadat-Helbar, 2009, "*Design of stable riprap downstream of stilling basins using Froude number*", Journal of Water and Soil Science, No.1, pp.97-106 (Farsi).
- M. E. Varaki and J. Farhoudi; D. Walker, 2009, "*Investigation of flow at a right-angled lateral intake*", ICE - Water Management, Volume 162, Issue 6, pages 379 – 388.
- M. E. Varaki; J. Farhoudi; 2009, "*Invesigation on the effect of intake angle on the characteristics of diverted flow in off take structures*", 8th Conference of Hydraulics, Tehran, Iran (Farsi).
- J.Farhoudi, S.Nikmehr and S.Samadianfard, 2009, "*Estimation of cross velocity profile in a canal using the concept of incremental entropy and of probability* ",8<sup>th</sup> Conference of Hydraulics, Tehran, Iran(Farsi)
- J.Farhoudi, S.Nikmehr and M.H.Omid, 2009, "*Optimum design of vortex tube based on effective hydraulic parameters on sediment trap efficiency*",8<sup>th</sup> Conference of Hydraulics, Tehran, Iran (Farsi).
- J.Farhoudi, S.Nikmehr and S.Samadianfard, 2009, "*Approximation of cross velocity profile in a canal using the Nero Fazi concept* ", 8th Conference of Hydraulics, Tehran, Iran (Farsi).
- J.Farhoudi, S.Nikmehr and M.H.Omid, 2009, "*Study of the function of vortex sediment excluder with controlled and uncontrolled flow discharge on the effective parameters of trap efficiency*", 8th Conference of Hydraulics, Tehran, Iran (Farsi).

- J.Farhoudi,2009, "*Flow Induced Total Pressure around Chute Blocks of SAF Stilling Basins*" International Journal of Civil Engineering, December Vol. 7, No. 4.
- E. Zahed,J. Farhoudi, and M. Javan,2010, "*Similarity of scour evolution downstream of stilling basin with an end sill*", , 8th IASME /WSEAS International Conference on FLUIDMECHANICS & AERODYNAMICS (FMA '10) 8th IASME /WSEAS International Conference on HEAT TRANSFER, THERMAL ENGINEERING and ENVIRONMENT (HTE '10),Taipei, Taiwan, August 20-22, 2010.
- J. Farhoudi, S. M. Hosseini and M. Sedghi-Asl, 2009, "*Application of neuro-fuzzy model to estimate the characteristics of local scour downstream of stilling basins*" Journal of Hydroinformatics, November 2009.
- J.Farhoudi, S.Nikmehr and M.H.Omid, 2009, "*Study of effective parameters on trap efficiency of vortex tube with controlled and uncontrolled flow discharge*", Journal of Irrigation and Drainage", Tehran, Iran, In Press (Farsi).
- J. Farhoudi<sup>1\*</sup>, S. M. Sadat-Helbar<sup>1</sup>, N. Aziz, 2010 "*Pressure Fluctuation around Chute Blocks of SAF Stilling Basins*", J. Agr. Sci. Tech. (2010) Vol. 12.
- H.Goveisi and J.Farhoudi,2010, "*Comparasion of different curve fitting methods for estimating the second order of kinetic method of absorpion capacity*", 8<sup>th</sup> international conference on river engineering, University of Shahid Chamran, Ahvaz, Iran (Farsi).
- M.H Omid, M. Karbasi and J.Farhoudi, 2010, "*Effects of bed-load movement on flow resistance overbed forms*", Indian Academy of Sciences, Vol. 35, Part 6, December, pp. 1–11.
- M. Karbasi ,M.H Omid, and J.Farhoudi,2010," *Experimental Investigation of Cluster Bed-Form Formation Over Uniform Sediment*", American Journal of Applied Sciences 7, Science Publications.
- M. Nasrabadi ,M.H. Omid and J. Farhoudi, 2010, "*Suspended Sediment Effects on Submerged Hydraulic Jump Characteristics*" Journal of Water and Soil, Vol. 24, No. 5, Nov, p. 995-1007.
- M.H. Omid and J. Farhoudi and M. Nasrabadi ,2010, "*Suspended sediment effects on hydraulic jump characteristics*", Water Management, Volume 164 Issue WM1, Pages 1–11.
- M. Karbasi, M. H. Omid, J. Farhoudi, 2010. "*Experimental Investigation of Cluster Bed-Form Formation Over Uniform Sediment*". American Journal of Applied Sciences 7 (8): 1093-1099, 2010.
- M. H. Omid, M. Karbasi, J. Farhoudi, 2010. "*Effects of bed-load movement on flow resistance over bed forms*". *Sadhana* Vol. 35, Part 6, December 2010, pp. 681–691.

- Ravar.Z,J.Farhoudi,Nazhandali.A,2011, ”*Influence of Trapezoidal Cross Bars on Characteristics of Hydraulic Jump*”, 6<sup>th</sup> Congress of Civil Eng., University of Semnan, Iran.
- J. Chapokpour, J.Farhoudi and E. Amiri .T,2011,” *Turbulent Flow Measurement in Vortex Settling Basin*”Iranica Journal of Energy & Environment 2 (4): 382-389.
- J. Chapokpour, J.Farhoudi, 2011, ”*Sediment Extraction and Flow Structure of Vortex Settling Basin*”, World applied Science Journal, 14 (5).
- M. Sedghi Asl, H. Rahimi, J. Farhoudi, J. Mohammad Vali Samani, 2011. “*Analysis of the Water Surface Profiles through Coarse Porous Medium*” . Iranian Water Research Journal, (In Farsi), 4 (7).
- Mohsen NASRABADI, Mohammad Hossein OMID, and Javad FARHOUD, 2012, ” *Submerged hydraulic jump with sediment-laden flow*” International Journal of Sediment Research, 27 (2012) 100-110.
- Jafar Chapokpour, Javad Farhoudi, Ebrahim Amiri Tokaldany, Mahdi Majedi-Asl, 2012, ”*Flow Visualization in Vortex Chamber*”, Online Journal of Civil Engineering and Urbanism (OJCEU).
- M. Karbasi, M. H. Omid, J. Farhoudi, 2012, “Experimental investigation of 3D flow over cluster microforms” . The Iranian Society of Irrigation and Water Engineering, (In Farsi), 2 (5).
- A. Kasi, J. Farhoudi, M. Esmaili Varaki, 2012, “*Theoretical and Experimental investigation of diverging hydraulic jump on adverse slope*” . Iranian Water Research Journal, (In Farsi), 5 (9).
- H. Khalili Shayan, J. Farhoudi, 2013. “*Effective parameters for calculating discharge coefficient of sluice gates*” . Flow Measurement and Instrumentation, 33 (2013) 96-105.
- M. Sedghi Asl, H. Rahimi, J. Farhoudi, A. Hoorfar, S. Hartmann, 2013. “1-D fully-developed turbulent flow through coarse porous medium”. Journal of Hydrologic Engineering, 10.1061/(ASCE) HE. 1943-5584.0000937 (Nov. 6, 2013).
- M. Karbasi, M. H. Omid, J. Farhoudi, 2013, “*Prediction of cluster bed-forms formation over gravel- bed rivers*” . Iranian Water Research Journal, (In Farsi), 6 (10).
- H. Khalili Shayan,J. Farhoudi, A. Barghi K, 2013,“*Theoretical and experimental study of flow from sluice gates*”, Proceedings of ICE - Water Management, UK.
- M. Esmaili Varaki, A. Kasi, J. Farhoudi, D. Sen, 2014. “*Hydraulic Jump in a diverging channel with an adverse slope*” . IJST, Transactions of Civil Engineering, Vol. 38, No. C1, pp 111-121.



J. Farhoudi, H. Khalili Shayan, 2014. "Investigation on local scour downstream of adverse stilling basin". Ain Shams Engineering Journal (Accepted for publication).

H. Khalili Shayan, J. Farhoudi, H. Hamidifar, 2014. "Estimation of maximum scour depth downstream of horizontal and adverse stilling basins using a semi-theoretical approach". International Journal of Civil Engineering, (Accepted for publication).

H. Khalili Shayan, J. Farhoudi, R. Roshan, 2014. "Estimation of flow discharge under the sluice and radial gates based on contraction coefficient". Iranian Journal of Science and Technology, Transaction of Civil Engineering, (Accepted for publication).

H. Khalili Shayan, J. Farhoudi, R. Roshan, 2014. "Estimating the coefficient of discharge from sluice and radial gates". Iranian Water Research Journal, (In Farsi), (Accepted for publication).

H. Khalili Shayan, J. Farhoudi, 2014. "Time-dependent local scour downstream of adverse stilling basin". Iranian Water Research Journal, (In Farsi), (Accepted for publication).

H. Khalili Shayan, J. Farhoudi, 2014. "Theoretical criterion for stability of free hydraulic jump on adverse stilling basins". Journal of Hydraulic Structures, (Accepted for publication).

H. Khalili Shayan, J. Farhoudi, 2014. "Scour profiles and variation of shear stresses in scour holes downstream of adverse stilling basins". Journal of Hydraulics, (In Farsi), (Accepted for publication).

مطالعه اثر نوع معادله تئوری نیمرخ جهش هیدرولیکی واگرا با شیب کف معکوس بر نسبت اعماق ثانویه، ا. کاسی کوزانی، م. اسمعیلی ورکی، ج. فرهودی، سومین همایش ملی مدیریت شبکه‌های آبیاری و زهکشی، دانشگاه شهید چمران اهواز، اسفند ماه ۱۳۸۹.

پژوهشی بر پروفیل‌های جریان متلاطم درون محیط‌های سنگریز، م. صدقی اصل، ح. رحیمی، ج. فرهودی، ج. محمد ولی سامانی، نهمین کنفرانس هیدرولیک ایران، دانشگاه تربیت مدرس، اسفندماه ۱۳۸۹.

برآورد ضریب دبی دریاچه‌های کشویی در شرایط جریان آزاد و مستغرق مبتنی بر تحلیل نظری ضریب تنگ شدگی، ح. خلیلی شایان، ا. برقی خضرلو، ج. فرهودی، اولین کنفرانس بین‌المللی سد و نیروگاه‌های برقابی در ایران، بهمن ۱۳۹۰.

تعیین عمق آبستگي حداکثر حاصل از جت خروجی دریاچه‌های کشویی مستغرق با بهره‌گیری از اصل اندازه حرکت، ح. خلیلی شایان، ج. فرهودی، ح. حمیدی فر، نهمین سمینار بین‌المللی مهندسی رودخانه، دانشگاه شهید چمران اهواز، بهمن ماه ۱۳۹۱.

مطالعه عمومی تغییرات انواع مختلف تنش های برشی موثر در پدیده آبستگي موضعی پایین دست دریچه های کشویی مستغرق ، دانشگاه شهید چمران اهواز، بهمن ماه ۱۳۹۱.

نیمرخ های آبستگي در پایین دست حوضچه های آرامش با شیب معکوس، ح، خلیلی شایان، ج، فرهودی، نهمین سمینار بین المللی مهندسی رودخانه، دانشگاه شهید چمران اهواز، بهمن ماه ۱۳۹۱.

**G-SCIENTIFIC AND TECHNICAL ACTIVITIES & MEMBERSHIPS:**

President of Iranian National Committee on Large Dam (IRCOLD), 1983-86

President of Iranian National Committee on Irrigation & Drainage (IRNCID), 1985-86

Chairman of Iranian National Committee on Hydrology (IHP), 1984-87

Chairman of Technical Committee on Sedimentation in IRCOLD, 1984-87

Member of Technical Committee on Sedimentation in International Commission on Large Dams (ICOLD), 1985-1997

Member of IRNCID, since 1985

Member of International Association for Hydraulic Research, since 1987

Member of Shared Rivers Committee in International Commission on Large Dams (ICOLD), 1991-1997

Member of Executive Council of Iranian National Committee on Large Dams (IRCOLD), 1991-1997

Member of Executive Council of Iranian National Committee on Irrigation & Drainage, 1993-2000

Vice President for International Commission on Irrigation & Drainage (ICID), 1997-1999

Chairman for Working Group on Highly Water Stressed Areas in International Commission on Irrigation & Drainage (ICID), 1997-2000

Chairman for Working Group on Irrigated Agriculture under Draught & Water Scarcity in International Commission on Irrigation & Drainage (ICID), 1997-2000

Member of Editorial Board for International Journal of Water Resources Engineering, Iran, since 1995

Member of Editorial Board for Journal of AB (water), Iran, 1984-93

Member of Editorial Board for Journal of Agriculture, University of Tabriz, Iran, since 1995

Member of Editorial Board for International Journal of Agriculture, Ministry of Science, Research & Technology, Iran, since 1997

Member of the Water Commission in National Council for Scientific Researches, Iran, 1991-2000

Member of Irrigation Committee in Iranian Academy of Science, since 1993

Member of the Executive Board for Iranian Hydraulic Association, 1993-98

Member of Organizing Committee for more than 30 National & International Conferences and Seminars (Irrigation, Hydraulics, Hydrology, Water Resources) in Iran, during 1981-99

Participation in more than 20 international & 30 National Conferences and Seminars and Symposiums (Irrigation, Hydraulics, Large Dams,) 1981-99

Member of working groups, International Commission on Irrigation & Drainage (ICID)

Member of Iranian National Committee on Hydrology (IHP)

Member Scientific & Organizing Committees in more than 40 Conferences & Seminars

Member of Executive Council of Iranian National Committee on Irrigation & Drainage

**H-POSITIONS:**

Vice-chancellor, University of Urmia, Iran, 1980-82.

Director General, Regional Water Board of Azerbaijan, Iran, 1982-83

Deputy Minister for Water Affairs, Ministry of Energy, Iran, 1983-86

Pro-vice chancellor for Research, University of Urmia, Iran, 1986-91

Vice-chancellor, University of Urmia, Iran, 1991-92

Vice-chancellor, University of Applied Science and Technology of Iran, 1991-92

Member of the Board of Trustees, Iranian Academy of Science, Iran, 1991-93.

Pro-vice chancellor for Planning and Construction, University of Urmia, Iran, 1992-95

Member of the Board of Trustees ,North-West Universities of Iran, 1991-1999

Dean, Faculty of Agriculture, University of Urmia, Iran, 1995-97

Member of the Committee for Agriculture Higher Education Curriculums of Iran, since 1980

Head, Committee for Irrigation Higher Education Curriculums of Iran, Since 1980

Deputy Minister for Research, Ministry of Science, Research & Technology, Iran, 1997-99

Scientific Advisor to the Minister, Ministry of Science, Research & Technology, Iran, since 1999-2000

Scientific Counselor (Representative of Ministry of Science, Research & Technology as well as Ministry of Health & Medical Education of Iran in Oceania and Malaysia) Embassy of the Ir. Of Iran, Canberra, Australia, 2000-2004

Member of the Board of Trustees ,Urmia and Teacher Training Universities, 2004-2007

Head of Executive Commission of the Board of Trustees ,Hormozghan Univ.2004-2007

Head of Executive Commission of the Board of Trustees ,Mohaghegh Ardabilly Univ., 2004-2007

Head of Executive Commission of the Board of Trustees ,Research Institute of Genetics, 2004-2007

Member of Executive Commission of the Board of Trustees ,Research Institute Of Agriculture, since 2004

Associate Dean, Planning and Development, UT College of Agriculture & Natural Resources, University of Tehran, Iran, 2004-2006

Member of Researchers Funding Support Association, Iran, 2005 -2007

Member of Promotion Council in University of Water & Energy, Iran, 2004-2008

Member of Promotion Council in Technical University Of Sahand, Iran, since 2004

Member of Promotion Council in University Of Zanjan, Iran, since 2004

Member & Deputy Dean of Promotion Council in Agricultural Research Centre, Iran

Member of Steering Committee for Centers of Excellence in Iranian Universities, Since 2004

Vice President, Technology Development, Science & Technology Park, University of Tehran, Iran, since 2006-2008

Member of Steering Committee for Incubation Centers and Science parks of Iran, MSRT, 2007

Associate Dean, Planning and Development, UT College of Agriculture & Natural Resources, University of Tehran, Iran, 2004-2006

Member of Promotion Council in the University of Tehran, since 2009-2011

Associate Dean, Research, UT College of Agriculture & Natural Resources, University of Tehran, Iran, 2008-2010