

Curriculum Vitae



Dr. Abbas Ali Ghezelsolfloo

Ph.D. in Civil Engineering
(Water Resources Management and Hydraulic

A. Contact me

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- **Address:**
No. 98, Gelayol 8, Khayyam Blvd., Mashhad, Iran

B. Education

- 1991-1995 **Bachelor of Science in Civil Engineering**
K. N. Toosi University of Technology; Tehran, Iran
GPA: 14.60/20.00
Thesis title: “*Analysis and Control of Seepage in Diversion Dam*”.
- 1996-1998 **Master of Science in Civil Engineering – Water Resources Engineering**
Ferdowsi University of Mashhad; Mashhad, Iran
GPA: 17.10/20.00
Thesis: “*Synthetic Stream Flow Generation for use in Stochastic Water Resources Management*”.
- 1999-2005 **PhD in Civil Engineering- Hydraulic**
Ferdowsi University of Mashhad; Mashhad, Iran
GPA: 17.50/20.00
Thesis: “*Shock Waves Modeling in Shallow Flows with Advance Finite Volume Methods*”.

C. Work Experience

Period	Position	Co/Institute/University	Department	Activities
2005-Present	Assistant Professor	Islamic Azad University of Mashhad (IAUM), Iran	Civil Engineering Department	Teaching Research Management
2013-Present	Director	Arid Environments Research Center (IAUM)	Management Department	Establish Research Management
2010-Present	Invited Assistant Professor	Khavaran Higher Education Institute	Civil Engineering Department	Teaching
1996-2000	Technical expert and project manager	Sarvab Consulting Engineers	Water Resources Engineering Department	Water Engineering Projects
2000-2012	Technical Vice-President	KPM Consulting Engineers	All Departments	All Projects in Civil and Water Engineering Projects
2012-present	Technical Vice-President	Pazhohab Shargh Consulting Engineers	All Departments	All Projects in Civil and Water Engineering Projects

D. Executive and Project Experience

- 1995-1996 **Expert of Hydrology, Water Resource Management**
Project Name: Water Transmission of Golestan Dam to Mashhad Water Treatment Plant
 Sarvab Consulting Engineers
- 1995-1996 **Expert of Hydrology, Water Resource Management**
Project Name: Optimum Operating of Water Resource of Esmaelac in Marave Tapeh, Golestan
 Sarvab Consulting Engineers
- 1997-1998 **Expert of Designing of Dam's Body and Hydraulic Structures**
Project Name: The 2nd stage of Studies of Sedeh Dam in Khaff
 Sarvab Consulting Engineers
- 1996-2000 **Dam's Body and Water Resource Planning**
Project Name: The 1st stage of Studies Shorijeh Dam in Sarakhs
 Sarvab Consulting Engineers

- 1996-1997 **Designer Expert**
Project Name: Investigation on Zendanchal Landslide site in Minoodasht
Golestan Soil and Water Conservation Service
- 1997-1998 **Designer Expert**
Project Name: Investigation on Farsian Landslide site in Minoodasht
Golestan Soil and Water Conservation Service
- 2001-2002 **Designer Expert**
Project Name: Flood & Sediment Control of Banafsh Tapeh in
Nokandeh, Golestan
Golestan Soil and Water Conservation Service
- 2000-2003 **Supervisor**
Project Name: The 1st and 2nd stage of Studies of Farrokhi Dam in Qaen
Kavosh Pay Consulting Engineers
- 2002-2003 **Expert in River Hydraulics**
Project Name: Droongar River Engineering Studies in Dargaz
Kavosh Pay Consulting Engineers
- 2002-2006 **Project Manager – Hydraulic Structures Expert**
Project Name: 1st & 2nd stage of Studies of Renovation & Remediation of
Golestan Ancient Dam
Kavosh Pay Consulting Engineers
- 2004-2006 **Project Manager - Designer Expert**
Project Name: Emergency plans Studies for Controlling of Golestan Floods in
Minoodasht Kavosh Pay Consulting Engineers
- 2003-2005 **Supervisor and hydraulic Structures Designer**
Project Name: Studies of Tozanloo Reservoir Dam in Dargaz
Kavosh Pay Consulting Engineers
- 2003-2004 **Expert- Project Designer**
Project Name: Khezri Artificial Recharging Studies in Qaen
Kavosh Pay Consulting Engineers
- 2003-2004 **Supervisor**
Project Name: Golboo Recharging Dam in Neishabour
Kavosh Pay Consulting Engineers
- 2004-2007 **Supervisor**
Project Name: 1st and 2nd stage of Studies of Irrigation System of Qaen Reservoir
Dam
Kavosh Pay Consulting Engineers
- 2005-2007 **Designer of Dam's Frame & Hydraulic Utilities**
Project Name: Studies of Ahangaran Reservoir Dam in Qaen
Kavosh Pay Consulting Engineers

- 2004-2004 **Designer Expert**
Project Name: Studies of Kale Khabaz Under Ground Dam in Neishaboor
Kavosh Pay Consulting Engineers
- 2005-2006 **Designer Expert**
Project Name: Dahane Ojagh Artificial Recharging Studies in Isfarayen
Kavosh Pay Consulting Engineers
- 2004-2006 **Designer Expert**
Project Name: 1st and 2nd stage of Studies of Golol Reservoir Dam in Shirvan
Kavosh Pay Consulting Engineers
- 2005-2006 **Project Manager and Supervisor**
Project Name: 1st and 2nd stage of Studies of Golmandareh Reservoir Dam
Kavosh Pay Consulting Engineers
- 2006-2008 **Project Manager and Supervisor**
Project Name: Remediation studies of Historical Water Structures in Shooshtar
Kavosh Pay Consulting Engineers
- 2006-2008 **Supervisor**
Project Name: Ghochan Integrated Water Resources Management
Kavosh Pay Consulting Engineers
- 2007-2008 **Supervisor**
Project Name: Behavior Testing Study of Instrumentation of In the operation Dams (Khaph, Torogh, Kardeh, Kamayestan)
Kavosh Pay Consulting Engineers
- 2007-2008 **Supervisor**
Project Name: The Privacy and Beds Determination and Rehabilitation Study of Gharechay Ramian River
Kavosh Pay Consulting Engineers
- 2007-2009 **Supervisor and Combining Studies**
Project Name: Integrated Water Resource Management Study on Sarakhs Plain
Kavosh Pay Consulting Engineers
- 2008-2009 **Supreme Advisor**
Project Name: 1st stage of Studies of Nasar Recharge Dam in Torbat Heydarieh
Kavosh Pay Consulting Engineers
- 2008-2009 **Project Manager**
Project Name: The Study of Runoff Forecasting Model Into Dossti Dam
Kavosh Pay Consulting Engineers
- 2008-2009 **Supervisor**
Project Name: The Privacy and Beds Determination Study of Eghbal River In Mashhad
Kavosh Pay Consulting Engineers
- Supervisor**

- 2008-2009 **Project Name:** The Privacy and Beds Determination Study of Kashafrud River In Mashhad
Kavosh Pay Consulting Engineers
- 2008-2009 **Superior Advisor**
Project Name: Design of Flood and Sediment Control Structures In Galikesh and Oghan Catchment
Kavosh Pay Consulting Engineers
- 2008-2009 **Supervisor**
Project Name: The Study and Supervision of Flood Warning System In Torghabeh – Jaghargh River (Suburb of Mashhad)
Kavosh Pay Consulting Engineers
- 2008-2009 **Supervisor**
Project Name: The Remedial Action Study of Boleity Tunnel In Shooshtar
Kavosh Pay Consulting Engineers
- 2008-2009 **Supervisor**
Project Name: The Study of Early Flood Warning System In Mahshad City
Kavosh Pay Consulting Engineers
- 2008-2009 **Supervisor**
Project Name: The Study of Early Flood Warning System In Neyshaboor City
Kavosh Pay Consulting Engineers
- 2009-2010 **Supervisor**
Project Name: The Study of Early Flood Warning System In Zoshk and Kang Rivers (Suburb of Mashhad)
Kavosh Pay Consulting Engineers
- 2009-2010 **Supervisor**
Project Name: The Study of Early Flood Warning System In Dehbar & Mayan Rivers
Kavosh Pay Consulting Engineers
- 2001-2011 **Supervisor**
Project Name: The Study of Early Flood Warning System Due to Doosti Dam Break
Kavosh Pay Consulting Engineers
- 2001-2011 **Supervisor**
Project Name: The Study of Early Flood Warning System In Doogh & Madarsoo Rivers Located In Golestan Province
Kavosh Pay Consulting Engineers
- 2001-2011 **Supervisor**
Project Name: Design of Flood and Sediment Control Structures In Alangdarreh Catchment
Kavosh Pay Consulting Engineers

- 2001-2011 **Supervisor**
Project Name: Design of Flood and Sediment Control Structures In Gharnaveh Catchment
Kavosh Pay Consulting Engineers
- 2001-2011 **Supervisor**
Project Name: Design of Flood and Sediment Control Structures In Narmab Gholitappeh Catchment
Kavosh Pay Consulting Engineers
- 2012-2013 **Member of Technical team**
Project Name: Sefidroud e Guilan river rehabilitation and restoration Project
Pazhouhab Shargh consulting engineers
- 2012-2013 **Member of Technical team**
Project Name: Alagoul and Ajigol Wetland flood hazard mapping , wetland
Pazhouhab Shargh consulting engineers
- 2012-2013 **Supervisor**
Project Name: Design of Honameh artificial discharge
Pazhouhab Shargh consulting engineers
- 2013-2014 **Supervisor**
Project Name: Amand river rehabilitation and restoration
Pazhouhab Shargh consulting engineers
- 2013-2014 **Supervisor**
Project Name: Phase1 and 2 studies, Geyransou dam studies
Pazhouhab Shargh consulting engineers
- 2014-2015 **Project Manager and Designer**
Project Name: Urban Flood Management, Sooran City, Sistan & Baloochestan Province
- 2014-2015 **Project Manager and Designer**
Project Name: Urban Flood Management, Hidooch City, Sistan & Baloochestan Province
- 2014-2015 **Project Manager and Designer**
Project Name: Urban Flood Management, Mehrestan City, Sistan & Baloochestan Province
- 2014-2015 **Project Manager and Designer**
Project Name: Urban Flood Management, Bampoor City, Sistan & Baloochestan Province
- 2015-2016 **Project Manager and Designer**
Project Name: Urban Flood Management, Nosratabad City, Sistan & Baloochestan Province

- 2015-2016 **Project Manager and Designer**
Project Name: Urban Flood Management, Jalgh City, Sistan & Baloochestan Province
- 2015-2016 **Project Manager and Designer**
Project Name: Urban Flood Management, Espakeh City, Sistan & Baloochestan Province
- 2015-2016 **Project Manager and Designer**
Project Name: Urban Flood Management, Pishin City, Sistan & Baloochestan Province
- 2014-2020 **Project Manager and Designer**
Project Name: Miandasht Dam, design and supervision in construction, Esferayen, Northern Khorasan Province
- 2016-2020 **Project coordinator and Designer**
Project Name: Quchan water transmission from Tabarakabad Dam, Razavi Khorasan Province

E. Journal and Magazine Papers:

1. **Ghezelsfloo A. A.** (1995),” *Linear decision rules in design and operating of reservoirs*”, Abangan Student Journal, K. N. Toosi University of Technology, Iran (**In Persian**)
2. **Ghezelsfloo A. A.** (1996),”*Determining of set feasible diameter in wastewater networks*”, Omran-e-Toos Student Journal, Ferdowsi University of Mashad, Iran (In Persian)
3. **Ghezelsfloo A. A.** (1998), “*The probable maximum flood and its role in design flood of dam spillways*”, Abangan Student Journal, K. N. Toosi University of Technology, Iran (**In Persian**)
4. **Ghezelsfloo A. A.** (2001), “*Asphaltic concrete cores and its use in hydraulic structures*”, Payame Mohandes Magazine, Iran (**In Persian**)
5. **Ghezelsfloo A. A, Jafarzadeh M. R.** (2006), “*Numerical modeling of dam-break problem with high resolution finite difference methods*”, International Journal of Engineering Science, Vol. 16, No.4.
7. **Ghezelsfloo A. A.** (2008), “*The global water crisis and toward to solutions*”, Mehrab Magazine on water (**In Persian**)

8. **Ghezelsfloo A. A.** (2009), “*Mathematical models and its applications it in groundwater*”, Omran-e-Ab Magazine (In Persian)
9. **Ghezelsfloo A. A.** (2008), " *Water crisis in Mashhad*", Magazine of Asian economy (In Persian)
10. Montaseri Majid, Deiminia Akram and **Ghezelsfloo Abbas A.** (2010), “*Optimization of Clay Core in Embankment Dams Using Genetic Algorithm*”. Journal of Water & Soil Science, Tabriz University (In Persian)
11. Hajibigloo M., **Ghezelsfloo Abbas A.** Ekhtesasi M. R. (2010), “*Statistical approach rivers Geometric-Hydraulic relationships (case study: Firooze - shahjoob River)*”, Iranian water research Journal of sharekord university, Vol.9, No. 1 (In Persian)
12. Hajibigloo M., **Ghezelsfloo Abbas A.**, Dastourani M. T. (2010), “*Evaluation of river morphological changes in relation with dominant processes (Case study: Firooze-shahjoob river)*”, Range and watershed Journal of Tehran university, Vol. 69, No. 1 (In Persian)
13. Hajibigloo M., **Ghezelsfloo Abbas A.**, Alimirzaee H. (2010), “*Discussion and Forecast monthly average rainfall Techniques Using SARIMA (Case study: Pluviometry station Babaaman Bojnourd)*”, Irrigation Sciences and Engineering Journal of Ahwaz university (In Persian)
14. Akbarzadeh M.R. **Ghezelsfloo Abbas A.** Hajibigloo M. “*Selecting the Most Appropriate Method of Basin Sediment Estimation by Sediment Rating Curves at Hydrometric Stations (Case study: Atrak basin)*”, International Journal of Emerging Technology and Advanced Engineering, Volume 4, Issue 6, June 2014.
15. Akbarzadeh M.R. **Ghezelsfloo Abbas A.**, Hajibigloo M. “*Assessment of river sediment Atrak in place Hydrometric stations with statistics using Hydrological methods*”, Journal of Irrigation Science and Engineering, 2013. (In Persian)
16. **Ghezelsfloo A. Abbas** and Azimi Reyhaneh (2014), “*Groundwater contamination from livestock activities in Mashhad plain*”, Journal of Water and Sustainable Development, No. 3 (In Persian)
17. **Ghezelsfloo A. Abbas** and Maghrebi Mohsen (2015), “*Presentation of evaluation system in water investigation studies*”, Journal of Water and Sustainable Development, No. 1 (In Persian)
18. Najm Al-Dini B., **Ghezelsfloo A. Abbas** and Bina K. (2016) “*Seismic Stability Analysis of the Cracked Concrete Gravity Dams*”, Journal of Engineering and Higher Technology (JEHT), 2(2)1-10, ISSN 2356-8860
19. **Abbas A. Ghezelsfloo** and Mahboube Hajibigloo, (2018), "Effectiveness of Different Data Separation Methods in Increasing the Accuracy and Accuracy of Suspended

- Sediment Estimation Using Ratio Method in Sedimentation Curve - Case Study: Part of Atrak Basin in Golestan Province" Journal Range and Watershed Management (Iranian Journal of Natural Resources) - University of Tehran , No. 2 (In Persian)
20. Mahboobeh Hajibigloo, **Abbas Ali Ghezelsofflo**, Hadi Memarian and Vahid Berdi Sheikh, (2017), "Mapping The Flood-Prone Areas for Developing a Flood Risk Management System in The Northeast of Iran", Water Harvesting Research, 2017, 2(2): 1-12, DOI: 10.22077/JWHR.2018.825, www.jwhr.birjand.ac.ir, P-ISSN: 2476-6976, E-ISSN: 2476-7603
 21. M. Maghrebi, **Abbas .A. Ghezelsofflo**, H. Alimirzaei, (2018) "Risk Assessment of Hydraulic Components in the Overflow Spillways (Case Study: Chandir Dam)", Journal of Water and Sustainable Development, Vol. 4, No. 2 (In Persian)
 22. Najm Al-Dini B., **Ghezelsofflo Abbas. A.** and Bina K., "Non-linear seismic analysis of concrete gravity dams with dam-reservoir dynamic interaction", International Water Power and Dam Construction, No. 28-3, (2018), (ISI)
 23. Salari Hamed Moghaddam R., **Ghezelsofflo Abbas A.** and Iranshahi Milad (2018), "Examining and introducing plant species in the process of soil refining of lands contaminated with heavy metals by irrigation with gray waters", Journal of water and soil conservation, Vol. 71, No.3 (In Persian)
 24. **Abbas .A. Ghezelsofflo**, (2018) "The role of Technological advances in the safe water supply for the future generations", Journal of Water and Sustainable Development, Vol. 5, No. 2 (In Persian)
 25. Enayati Hamid, **Ghezelsofflo Abbas A.** and Khamchin Moghaddam Farhad (2019), "The evaluation of Hydrological Methods in environmental base flow in the Kashafrud Protected River in Mashhad Area", Iranian Journal of Irrigation and Drainage (Accepted) (in Persian)
 26. Eftekhari Mobin, Akbari Mohammad and **Ghezelsofflo Abbas A.** (2019), "Vulnerability Assessment of Birjand aquifer quality using SINTACS Method" Iranian journal of Natural resources, Tehran University (Accepted) (in Persian)
 27. Eftekhari Mobin, Mahmudizadeh Saeid, **Ghezelsofflo Abbas A.**, Esmaeili Ali and Akbari Mohammad (2019), "The analysis and Spatial and time monitoring of drought using MODIS Sat. (Case study: Isfahan Province)", Journal of geographical science (Accepted) (in Persian)
 28. **Abbas Ali Ghezelsofflo** and Raheleh Valizadeh Ardalan, (2019), "Assessment of pollution and Contaminants of Mashhad Plain", Journal of Water Pollution and Control, Vol. 2, No.1.9

29. **Ghezelsofflo Abbas. A.** “*Numerical simulation of trans-critical flows in open channels using a FVM scheme*”, Applied Water Science, Jan 20020, <https://doi.org/10.1007/s13201-019-1057-y>
30. M. Maghrebi, R. Dakhili, **Abbas A. Ghezelsofflo**, (2019), “*Preparation of a Model for Identifying the Required Points for Structural Organizing of Rivers at the level of Vast Areas (Case Study: Golestan Province)*”, Journal of Water and Sustainable Development, Vol. 6, No. 2 (In Persian)

F. Conference Papers:

1. **Ghezelsofflo A. A.**, Sharifi M. B. (2000), “*Synthetic stream flow generation for use in stochastic water resources management*”, 5th International Conference of Civil Engineering, Ferdowsi University of Mashhad, Iran (In Persian)
2. **Ghezelsofflo A. A.**, Jaefarzadeh M. R. (2003), “*Numerical modeling of dam-break problem with cross-barrier at downstream*”, 4th Iranian Hydraulic Conference, Shiraz University, Iran (In Persian)
3. **Ghezelsofflo A. A.**, Jaefarzadeh M. R. (2005), “*Numerical modeling of transcritical flow with Reo-TVD method*”, 5th Iranian Hydraulic Conference, Kerman University, Iran (In Persian)
4. **Ghezelsofflo A. A.**, jafarzadeh M. R. (2007), “*Numerical modeling of successive levee-break with Reo-TVD scheme*”, 2nd International Conference on Managing of River in 21st Century, Kuching, Malaysia
5. Nejad Shamlu A, **Ghezelsofflo A. A.** (2008), “*Omission night irrigation as a good method for increasing efficiency of surface irrigation*”, 2nd Conference on improvement surface Irrigation systems, Tehran. (In Persian).
6. **Ghezelsofflo A. A.** (2008), “*Numerical modeling dynamic shocks in shallow flows*”, 7th Iranian Hydraulic Conference, Tehran Water and Power University, Iran (In Persian)
7. **Ghezelsofflo A. A.** and Nejad Shamlu A. (2008), “*Irrigation and drainage network system of Farokhi Dam.*”, First Iranian Irrigation Conference, Tehran, Iran (In Persian)
8. Deiminiat A, **Ghezelsofflo A. A.** (2008). “*Seepage modeling from zoned earth dam*”, First International Conference on dam engineering, Zanjan Islamic Azad University, Iran (In Persian)

9. **Ghezelsflo A. A.** , Jaefarzadeh M. R (2008), "*Numerical and experimental studies Of fully developed stationary shocks in an open channel*", International Conference on Fluvial Hydraulics (Riverflow2008), 3-5 Sep, 2008, Cesme, Izmir, Turkey
10. **Ghezelsflo A. A.**, Jafarzadeh M. R. (2008) "*Dimensionless studies of 2D stationary shocks in an open channel flow*", The Second International Symposium on Shallow Flows (ISSF2008), 10-12 December 2008, Hong Kong
11. **Ghezelsflo A. A.** (2008). "*Elimination of nightly irrigation a method for increasing of surface irrigation efficiency*", The Second Seminar on improvement and modifying repose of surface irrigation, Tehran, Iran, (In Persian).
12. Nejad Shamlu A, **Ghezelsflo A. A.** (2008), "*The role of valuable water in the increase of exploitation from agricultural water under water stress condition*", 3rd Iranian Water Resource Management Conference, Tabriz University, Iran, (In Persian).
13. Deimyniat A, **Ghezelsflo A. A.** (2008), "*A model for estimation of safety factor in zoned earth dams*", 3rd Iranian Water Resource Management Conference, Tabriz University, Iran, (In Persian).
14. Deimyniat A, **Ghezelsflo A. A.** (2008), "*A experience into introduction of flood warning system in Jaghargh tourism local*", International Conference on General Management of Water Exploitation, Kerman University, Iran, (In Persian).
15. **Ghezelsflo A. A.**, Deimyniat A. (2008), "*The role of flood warning systems in flood risk management*", International Conference on General Management of Water Exploitation, Mashhad, Iran, (In Persian).
16. Lotfi M. T. and **Ghezelsflo A. A.** (2008), "*Strengthening and remedial scheme for Golestan historical dam in Iran*", International Conference on General Management of Water Exploitation, Mashhad, Iran, (In Persian).
17. Deimyniat A, **Ghezelsflo A. A.** (2008), "*Optimization of clay core dimension in embankment dam using genetic algorithm*", 8th Iranian Civil Congress, Shiraz University, Iran, (In Persian).
18. . Lotfi M. T, Bina K, **Ghezelsflo A. A.** (2009) "*Strengthening and remedial scheme for Golestan historical dam in Iran*", Brazilian International Symposium for Dams and Reservoirs for Multiple Purposes, 23rd ICOLD Congress) 24 May 2009, Brasilia, Brazil.
19. Safi M, Hamidian M, Sahranavard S. H, Karimi SH, **Ghezelsflo A. A.** "*Safety Evaluation of two Historical Masonry dam in Iran*", Brazilian International

- Symposium for Dams and Reservoirs for Multiple Purposes, (23rd ICOLD Congress)
24 MAY2009, Brasilia, Brazil.
20. Deimyniat A, **Ghezelsofflo A. A.** (2009) "*Optimization of clay core in embankment dam using new combined model RM&GA (Case study of Hesarsangy dam)*", International symposium and exhibition on Geo information, 10-11 Aug, Kuala Lumpur, Malaysia.
 21. Rajabzadeh M, Esmailzadeh A and **Ghezelsofflo A. A.** (2009), "*The investigation of water quality in Shahjoob river using water quality indexes*", 3rd Iranian Environment Conference, Tehran University, Iran, (In Persian).
 22. Lashkaripour GH, Ghafouri M, Khaleghi E, **Ghezelsofflo A. A.** (2009), "*The investigation of geo mechanical pattern and caulking in Akhلامad dam*", 6nd Iranian Engineering Geology and Environment Conference, Tarbiat Modarres University, Iran, (In Persian).
 23. Hajibiglou M, **Ghezelsofflo A. A.**, Dastourani M. T. (2009), "*The numerical assimilation in flow pattern environs of groyne in arc (The case study in Atrak river)*", 8nd International River Engineering Conference, Ahvaz University, Iran, (In Persian).
 24. Hajibiglou M., **Ghezelsofflo A. A.** (2009), "*Surveying the erodible potential of Firoozeh River*", 8nd International River Engineering Conference, Ahvaz University, Iran, (In Persian).
 25. Araqi A, **Ghezelsofflo A. A.** (2009), "*Designing and exhibition of a simple program for estimation of rivers sediment load*", 8nd International River Engineering Conference, Ahvaz University, Iran, (In Persian).
 26. Nejad Shamlu A, **Ghezelsofflo A. A.** (2009). "*Introducing the meaning of valuable water and its role in water resource management*", 2nd International Conference on Drought Effects and its management methods, The Agricultural Research Center of Isfahan, Iran, (In Persian).
 27. Nejad Shamlu A, **Ghezelsofflo A. A.** (2009). "*The mean water, a method to solve the crisis water in dry countries*", 2nd International Conference on Drought Effects and its management methods, The Agricultural Research Center of Isfahan, Iran, (In Persian).
 28. Nejad Shamlu A, **Ghezelsofflo A. A.** (2009). "*Water resource management in arid and semi-arid area with using the mean water experiences*", 1nd National Conference on

- Sustainable Development Model in Water Resource Management, Pardisan Hotel, Mashhad, Iran. (In Persian).
29. **Ghezelsofflo A. A.**, Kakhki M, Nabizadeh A. A. (2010). "*Estimating earthquake hazard of Golmandarreh dam*", 5th National Conference on Water Engineering, Pardisan Hotel, Mashhad, Iran. (In Persian).
 30. Sarbazi M, **Ghezelsofflo A. A.** (2010). "*Estimating effective factors on groundwater quality of Mashhad plain using multivariable Statistical Technology*", 4th conference on Modern Technology In Engineering Science, Khavaran Educational Institute, Mashhad, Iran. (In Persian).
 31. **Ghezelsofflo A. A.** and Deimyniat A. (2010). "*The Flood warning systems and its role in Mashhad urban flood management*", 1th Urban Flood Management Conference, Tarbiat Modarres University, Tehran, Iran. (In Persian).
 32. Deimyniat A, **Ghezelsofflo A. A.** (2010). "*Application of risk factors in Mashhad flood management*", 1th Urban Flood Management Conference, Tarbiat Modarres University, Tehran, Iran. (In Persian).
 33. **Ghezelsofflo A. A.**, Deimyniat A, Shojaee H, Lotfi R. (2010). "*On the experiences of flood control scheme application in the Golestan province(Iran)*" , 6th International Symposium on Environmental Hydraulics ,23-25 JUN, Athena-Greece
 34. Deimyniat A, **Ghezelsofflo A. A.**, Shojaee H. (2010). "*A new approach to initial estimation of seepage rate in the zoned earth dams*", 6th International Symposium on Environmental Hydraulics, 23-25 JUN, Athens-Greece.
 35. Maghrebi M, **Ghezelsofflo A. A.**, Alizadeh S. (2010). "*Flood control structures and Its role In decreasing urban flood*", 1th Urban Flood Management Conference, Tarbiat Modarres University, Tehran, Iran. (In Persian)
 36. **Ghezelsofflo A. A.** and Deimyniat A (2010). "*Drought indicators and its role in drought management*", 2th Conference on Water Resource, Shahid Bahonar University, Kerman, Iran. (In Persian)
 37. **Ghezelsofflo A. A.** and Deimyniat A (2010). "*Decision support system and its role in non-structural flood management*", 2th Conference on Water Resource, Shahid Bahonar University, Kerman, Iran. (In Persian)

38. Bagheri H, Ashrafzadeh I, **Ghezelsflo A. A.** (2010). "*Bidvaz river rehabilitation scheme*", 2th Conference on Water Resource, Shahid Bahonar University, Kerman, Iran. (In Persian).
39. Ashrafzadeh I, Bagheri H, **Ghezelsflo A. A.**, Sarbazi M. (2010). "*Flood planning with using HEC-RAS together with GIS, a case study on Kashafrud river*", 2th Conference on Water Resource, Shahid Bahonar University, Kerman, Iran. (In Persian).
40. Sarbazi M, **Ghezelsflo A. A.** (2010). "*Surveying drought periods and its effective on water resource changes in Mashhad plain*", 2nd Conference on Water Resource, Shahid Bahonar University, Kerman, Iran. (In Persian).
41. **Ghezelsflo A. A.** (2010). "*determining Manning coefficient with using different methods, A case study on Gharechay Ramian river*", 2nd Conference on Water Resource, Shahid Bahonar University, Kerman, Iran. (In Persian).
42. **Ghezelsflo A. A.** (2010). "*Rehabilitation scheme on Gharechay Ramian river from upstream To junction to Gorganrood*", 2nd Conference on Water Resource, Shahid Bahonar University, Kerman, Iran. (In Persian).
43. **Ghezelsflo A. A.** and Deiminiyat A (2010). "*Comprising various telecommunication in automation scheme of irrigation networks*", 3th Conference on Irrigation & Drainage Networks Management, Shahid Chamran University, Ahvaz, Iran. (In Persian).
44. Hosseinnia A, **Ghezelsflo A. A.**, Valizadeh R, Asgari M, (2010). "*Evaluating environmental effects of Siahoo dam construction and irrigation & drainage network*", 1st National Conference on Natural Resource Researches of Iran , Sannandaj, Iran. (In Persian).
45. Daneshmand Sheikholeslami A, Khanjani M. J., **Ghezelsflo A. A.** (2011) "*Recreational Operating of Dam Lakes (case study: FARIMAN Dam)*" 6th National Congress on Civil Engineering 26-27 April, Semnan University, Iran (In Persian).
46. **Ghezelsflo, Abbas A.** Deyminiat A. Alimirzaei, H. and Soleimani, S (2011) "*Managed aquifer recharge in arid and semi-arid area using flood control scheme, a case study of Golboo Recharge dam* ", 3rd International Conference on Managing of River in 21st Century, Penang, Malaysia
47. **Ghezelsflo, Abbas A.** Deyminiat, A. (2011) "*Integrated river management for flood defense using computer based method.*", 3rd International Conference on Managing of River in 21st Century, Penang, Malaysia

48. **Ghezelsfloo, Abbas A.** Deyminiat, A. (2011) “*Dam Break Emergency Response Information System*”, 5th International Symposium on Advances in Science and Technology 2011, Iran, Mashhad.
49. **Ghezelsfloo, Abbas A.** Deyminiat, A. (2011) “*Emergency Action Plans Implemented with Early Warning System (EAP-EWS) in Downstream Valley of Dams, a Real Case Study*”, 5th International Symposium on Advances in Science and Technology 2011 , Iran, Mashhad.
50. **Ghezelsfloo, Abbas A.** Maghrebi, M. “*Character of channel planform in seasonal meanders, a real case study.*” River (2011), 3rd International Conference on Managing of River in 21st Century, Penang, Malaysia
51. **Ghezelsfloo, Abbas A.** and Hoseinia, A. (2011), “*Identifying effective parameters in pollution of Mashhad Plain Aquifer with emphasis on pollutant industries*, 5th National Conference on Environment, Tehran University.
52. **Ghezelsfloo, Abbas A.**, Mahboubeh Haji beiglou, Mohammadtaghi Dastoorani, Mohammadreza Ekhtesasi “*Studying the Morphology Variation & its Relationship with River process (case study Firouzeh-Shahjoo)*”
53. **Ghezelsfloo, Abbas A.**, Mahboubeh Hajibeiglou, Mohammadtaghi Dastoorani “*Studying the effects of climate change on Qanats rating (case study of Mashhad plain)*”
54. **Ghezelsfloo, Abbas A.**, Mahboubeh Haji beiglou, Mohammadtaghi Dastoorani, Mohammadreza Ekhtesasi “*appropriate relation Elicitation based on Geometric-Hydraulic parameters of river*” (case study: Shahjooob river)
55. **Ghezelsfloo, Abbas A.**, Mahboubeh Haji beiglou, Mohammadreza Ekhtesasi “*Mapping the particle granulometric D50 Along the river by use of GIS (case study: Shahjooob River)*”
56. **Ghezelsfloo, Abbas A.**, Mahboubeh Haji beiglou, Mohammadtaghi Dastoorani, Mohammadreza Ekhtesasi “*Determination of the depth of river bed Bottom interaction (case study: Bojnord, Shahjooob River)*”
57. Roghayeh Gholamian Azad, **Abbasali Ghezelsfloo**, Mohammad Givechi “*studying the analysis of static and dynamic seepage of Beshghardash earthfill Dam*” The first conference of Mashhad Islamic Azad University February 16, 2012
58. Roghayeh Gholamian Azad, **Ghezelsfloo, Abbas A.**, Mohammad Givechi “*Studying the Dynamic Analysis of Beshghardash Earthfill Dam*” The first conference of Mashhad Islamic Azad University February 16, 2012

59. Mahboubeh Hajibeiglou, **Ghezelsfloo, Abbas A**, *Flood crisis and Instructions for emergency action plan (EAP) (case study: Sari Su River Basin)*” 9th International River Engineering Conference Shahid Chamran University, 22 -24 Jun. 2013, Ahwaz
60. Mahboubeh Hajibeiglou, **Ghezelsfloo, Abbas A**, *Feasibility of establishing a warning system in the river with flood damage analysis approach (case study: Dough River Basin)*” 9th International River Engineering Conference Shahid Chamran University, 22 -24 Jun. 2013, Ahwaz. (In Persian)
61. **Ghezelsfloo, Abbas A**. Maghrebi. M. and Alizadeh S., “*3D Numerical simulation of flow field in a sinuous curved bend (A real case study)*”, Third International Symposium on Shallow Flows, 4–6 June, 2012, The university of Iowa, Iowa, USA
62. **Ghezelsfloo, Abbas A**. Maghrebi. M. “*Numerical simulation of spur dike shape effect on meander migration (Atrak river real case study)*”, Third International Symposium on Shallow Flows, 4–6 June, 2012, The university of Iowa, Iowa, USA
63. **Ghezelsfloo, Abbas** and Valizadeh A. Raheleh “*Identifying the major sources of groundwater contaminants and estimating their pollutions potential in the Mashhad plain aquifer*”, 5th International Groundwater Symposium, IAHR, Kuwait Institute for Scientific Research, Kuwait, 19-21 Nov. 2012
64. Akbarzadeh M.R. **Ghezelsfloo A. A**. Hajibigloo M. “*Sediment classification based on hydrological effect of improving the estimation of suspended load in rivers (Case Study: Atrak catchment)*”, 6th National Conference of Watershed Management and Soil and Water Resource Management in Noor University, 25 -26 Jan. 2013, Sari
65. **Akbarzadeh M.R. Ghezelsfloo A. A. Hajibigloo M.** “*Determine the most appropriate method for estimating suspended sediment in the river gauging station Ghmzar Atrak*”, 5th National Conference of Watershed Resources Management in Kerman University, 18 -19 Feb. 2013, Kerman
66. **Ghezelsfloo A. A. Hajibigloo M. Sarbazi M.** “*Flood warning systems rely on public participation to implement the Emergency Response Plan (EAP) (Case Study: Sefidrood Basin)*”, 1th National Conference of Hydraulic Structures and Irrigation in Gorgan University, 6 -7 Feb. 2013, Gorgan
67. **Ghezelsfloo A. A.** Maghrebi M., “*Numerical Simulation of Reservoir rule in Gully control (Case Study: Chenarli catchment in Golestan, Iran)*”, 1th National Conference of Hydraulic Structures and Irrigation in Gorgan University, 6 -7 Feb. 2013, Gorgan

68. **Ghezelsflo A. A.** Maghrebi M., “*The 3D simulation of flow around a spur dike in the river curvature*”, *1th National Conference of Hydraulic Structures and Irrigation in Gorgan University*, 6 -7 Feb. 2013, Gorgan
69. Ghezelsflo Reza and **Ghezelsflo Abbas A.**, “*Evaluation of Modification methods on USBR approaches in sediment load estimation in Atrak Basin*”, *9th Symposium on SASTECH, 3rd Commission, National Meeting on Civil and Sustainable Development, Mashhad, Iran, 2014 (In Persian)*
70. **Abbas Ali Ghezelsflo**, Behzad Najmoddin, Hamidreza Bayati, *Dynamic Analysis of Concrete Gravity Dams in Crack Presence*, *85th Annual Meeting of International Committee on Large Dams, Prague, Czech Republic, 3-7 July, 2017*
71. **Abbas Ali Ghezelsflo**, Ahmad Sedighian, Hosein Alimirzaei, *Considering the Dynamic Interaction of Dam and Foundation Rock*, *85th Annual Meeting of International Committee on Large Dams, Prague, Czech Republic, 3-7 July, 2017*
72. **Abbas Ali Ghezelsflo**, Mohsen Maghrebi, Rasoul Dakhili, *Introducing a model for zonation of river training projects in the large area, a real case study*, *85th Annual Meeting of International Committee on Large Dams, Perague, Czech Republic, 3-7 July, 2017*
73. Behzad Najmoddin and **Ghezelsflo Abbas Ali**, “*Nonlinear dynamic analysis of concrete gravity Zavin Dam*”, *Long term behavior and environmentally friendly rehabilitation technologies of dams*, Tehran, Iran 17-19 Oct, 2017
74. Ahmad Sedighian and **Ghezelsflo Abbas Ali**, “*Investigation of the leakage and maximum stress in plastic concrete cut-off wall with 100 cm width instead of clay core in static state on embankment dam Raz & Jargalan*”, *Long term behavior and environmentally friendly rehabilitation technologies of dams*, Tehran, Iran 17-19 Oct, 2017
75. **Ghezelsflo Abbas Ali**, “*DEVELOPMENT OF A FLOOD WARNING MONITORING SYSTEM AS A NON- STRUCTURAL APPROACH FOR FLOOD RISK MANAGEMENT IN IRAN*”, *World Bosai Forum, Sendai, Japan, 25-28 Dec, 2017*
76. **Ghezelsflo Abbas Ali**, “*FLOOD HAZARD POTENTIAL ZONING BY USING ANALYTICAL HIERARCHY PROCESS (AHP): GOLESTAN PROVINCE IN NORTHEAST IRAN*”, *World Bosai Forum-IDRC, Sendai, Japan, 25-28 Dec, 2017*

77. Eftekhari Mobin and **Ghezelsfloo Abbaas Ali**, "Analysis and evaluation of groundwater quality vulnerability methods", 4th. international conference on Researches in science & engineering, Kasem Bundit university, Bangkok, Thailand, 19th March 2019.

G. Lectures and Presentations

1. *"The Application of Risk Management in Planning for Drought"*, Mashhad Jihad Agriculture Education Center, 2003.
2. *"All about the Water"*, the first national conference on Hydrosalinity, 2005.
3. *"Flood hazard mitigation and management, some learns from recent heavy flood in Golestan province"*, Mashhad International Expo, 2005.
4. *"World Water challenges in the 21st century"*, Shirvan Islamic Azad University, 2005.
5. *"The world dimensions of water scarcity"*, Khorasan Education and research center, 2006.
6. *"Risk and Crisis components in disaster management"*, North Khorasan water company, 2007.
7. *"Understanding Groundwater Modeling"*, 7th seminar on the water and research, Razavi Khorasan Water Co. 2008.
8. *"Water resources management under drought condition"*, Water related natural disaster managements, Gorgan 2008.
9. *"Natural Disaster Risk Management, Flood Perspective"*, Razavi Khorasan Water Co., Mashhad, 2008.
10. *"Urban Flood Management"*, Seminar of North Khorasa Province Mayors – North Khorasan Government, 2009.
11. *"Shared waters and water diplomacy"*, seminar on crisis management – water recourse management, Golestan hall, North Khorasan, 2009.
12. *"Water Demand Management and Modification of Consumption Patterns"*, seminar on crisis management – water recourse management, Golshan hall, North Khorasan, 2009.
13. *"An Introduction to Flood Control Schemes"*, Work Shop for Determining the Privacy and Beds Limitation of Rivers, Razavi Khorasan Water Co, 2009.
14. *"World Experience on Flood Management"*, Seminar on New Experience in Disaster Management, Simorgh Salon, Neyshaboor Government, 2010.
15. *"Water Resource Management under Crisis Situation"*, Seminar on New Experience in Disaster Management, Neyshaboor Government, 2010.

16. “*Urban Flood Management, Mashhad Experiences Perspective*” Seminar on New Experience in Disaster Management, Golestan Regional Water Co, Oct, 2010.
17. “*Land Subsidence Caused by Groundwater Over use*”, Seminar on Presentation of Outcomes of Researches, North Khorasan Water Co, 2010.
18. “*New Vision to Flood Risk Management*”, Seminar on Crisis and flood management, Razavi Khorasan Water Co, Gouchan, Oct, 2011.
19. “*Water resource management*”, Workshop on Look at the Water Resources concept, GIS, and Telemetry in water projects”, Sistan & Baloochestan ABFA Co, 2011.
20. “*Application of Crisis Management in Water and Wastewater*”, Workshop on Look at the concept, GIS, and Telemetry in water projects”, Sistan and Baloochestan Water and Wastewater Co, 2011.
21. “*Remediation of Akhlamad Ancient Dam and Golestan Dam*”, Workshop on Preservation Historical Water Structures, Khorasan Research and Scientific Institute, 2011.
22. “*Risk and Crisis Management in Water Science*”, one day workshop on Water Resource Management, North Khorasan Water Co, Bojnourd, 2011.
23. “*Advances in Urban flood management*”, Gorgan University of natural sciences and agriculture, 2011
24. “*River Restoration and engineering for Flood management aims*”, Gorgan University of natural sciences and agriculture, 2014
25. “*The New Paradigm for WRM and Consulting Engineers Responsibilities*”, FCIC&DEIK INTERNATIONAL ENGINEERING FORUM, HIGH TECHNOLOGY APPLICATIONS IN TECHNICAL CONSULTANCY IN OIC MEMBER STATES, Nov 2015, Istanbul, Turkey
26. “*Hydro-diplomacy and hydro-conflicts in new Millennium*”, Khavaran Institute for Higher Education, 2015
27. “*DEVELOPMENT OF FLOOD WARNING and MONITORING SYSTEM AS A NON-STRUCTURAL APPROACH FOR FLOOD RISK MANAGEMENT in Golestan province, IRAN*”, International Disaster and Risk Conference, 25-28 Nov. 2017, Sendai, Japan
28. *EVALUATION OF GREEN AND BLUE WATER PROSPECT USING SOME CLIMATE MODELS IN KASHAFROUD BASIN*, The 12th International Symposium, Climate Change and UAV Application on Floods and Droughts in Asia Region, 8~12 July, 2018, Chungnam National University, Daejeon, South Korea

H. Applied Research Project

Main Researcher, 2008

Project Name: *Numerical Simulation of spur dike effect on Meander Immigration Control*
North Khorasan Water Co., Applied Research Committee

Main Researcher, 2009

Project Name: *Optimization of storage-spreading system in Surface Artificial Recharge*
North Khorasan Water Co., Applied Research Committee

Main Researcher, 2009

Project Name: *Optimization of Clay Core in Zoned Earth Dams Using Genetic Algorithm*
North Khorasan Water Co., Applied Research Committee

Main Researcher, 2012

Project Name: *Numerical and field investigation of bio structure and vegetation cover effect on bank erosion and meander migration (Atrak river case study)*
North Khorasan Water Co., Applied Research Committee

Main Researcher, 2012

Project Name: *Recreational Analysis of Fariman ancient Dam Reservoir*
Razavi Khorasan Water Co., Applied Research Committee

Main Researcher, 2013

Project Name: *3D numerical modeling and experimental study of flow in Ghezeldash Dam*
North Khorasan Water Co., Applied Research Committee

Main Researcher, 2013

Project Name: *Flood mapping in Bojnourd city using AHP scheme*
North Khorasan Water Co., Applied Research Committee

Main Researcher, 2014

Project Name: *Investigation of domestic and animal waste contamination dispersion in flood (real case study in Mashhad)*
Razavi Khorasan Water Co., Applied Research Committee

Main Researcher, 2015

Project Name: *Drought Risk effect on North Khorasan nomad's life and economy"*
North Khorasan Nomads Organization, Applied Research Committee

Main Researcher, 2017

Project Name: *Comprehensive Research and Promotion Study of Water Conservation Green Landscape of Qeshm Island, (Qeshm Free Zone Organization)*

Main Researcher, 2018

Project Name: *Comprehensive Research and Extension Study Plan for Locating and Evaluating Desertification Development and Providing Solutions to Control Qeshm Island Desertification and Restoration Development, (Qeshm Free Zone Organization)*

Main Researcher, 2019

Project Name: *Golestan Wilderness Counter Desertification Plan, Golestan Department of Natural Resources and Watershed Management*

Main Researcher, 2018

Project Name: *Practical Research Plan for Accurate Estimation of Evaporation from Dosti Dam, Khorasan Razavi Regional Water Company*

I. Teaching in Educational Institute

Islamic Azad University of Gorgan

Water and Waste Water Engineering and Project

Khavaran Higher Education Institute

Open Channel Hydraulics, Fluid Mechanics

Khorasan Educational Complex- Ministry of Energy

Water Resource Management and Flood Management

Islamic Azad University of Mashhad

Open Channel Hydraulics, Fluid Mechanics, Groundwater Engineering, Dam Engineering, Hydraulic Structures, River Engineering, Earth fill Dams

J. Languages

- Farsi (Persian): Fluent (Native)
- English: Well

K. Professional Interests

- Numerical Methods in Water Science
- Flood Control and Management
- Groundwater Engineering
- Integrated Water Resources Management
- Hydraulic Structures
- Draught Management

L. Memberships

- Member of Iranian Hydraulic Association (IHA)
- Member of Iranian Commission on Large Dams (IRCOLD)
- Member of International Association of Hydraulic Research (IAHR)
- Member of International Association of Hydro geologists (IAH)
- Member of Iranian Earthquake Engineering (IEA)
- Member of Ground Water Engineering Association (GWEA)
- Member of Applied Research Committee in North Khorasan Water Co.
- Member of Examining and approving the plans in North Khorasan Water Co.
- Member of Examining and approving the plans in South Khorasan Water Co.
- Member of Flood Technical Commission in Golestan Province

- Member of commission on controlling the dam stability in Razavi Khorasan Water Co.
- Member of Iranian Project Management (IPMA)

M. Awards and Honors

- The top researcher in the Islamic Azad University of Mashhad, 2011
- Top Contributor in the area of Earnings Outreach Projects in Islamic Azad University of Mashhad (2014)

N. References

- Available upon request

O. Last Updated

- March 2020

DR. ABBAS A. GHEZELSOFLOO