CURRICULUM VITAE

Name: **Nozar Samani**

Address:
Department of Earth Sciences
Science Faculty
Shiraz University
Shiraz 71454
Iran
Tel/fax: +98 711 228 4572 (office)
Tel: +98 711 832 1349 (home)
Fax: +98 711 832 7471 (home)
Email: samanin@shirazu.ac.ir;samani17@gmail.com

EDUCATION:

1972-1975:	B.Sc in Geology, Isfahan University, Iran (Top student).
1976-1978:	M.Sc in Engineering Geology, Durham University, Durham, England.
1978-1982:	Ph.D in Civil Engineering, Dept. of Civil Eng. King's College, University of London, England.

WORK EXPERIENCE:

- 2000-prsent: Professor, Dept. of Earth Sciences, Shiraz University.
- 1990-2000: Associate Professor, Dept. of Earth Sciences, Shiraz University.
- 1982-1990: Assistant Professor, Dept. of Earth Sciences, Shiraz University.
- 2009-2010 : Visiting Scholar, University of Waterloo, ON, Canada
- 2008-2009: Visiting Scholar, University of Toronto, Toronto, Canada
- 2002-2003: Visiting Professor, University of Edinburgh, Edinburgh, UK
- 1990-1991: Visiting Associate Professor, University of Florida. USA.

COURSES TAUGHT:

Hydrology, Hydrogeology, Groundwater Modeling, Hard Rock Hydrogeology, Water well drilling, Groundwater Pollution and Remediation, Sediment transport, Engineering Geology, Soil and Rock Mechanics and Structural Geology at B.Sc., M.Sc. and Ph.D levels.

CURRENT RESEARCH:

- Analytical, Numerical and Stochastic modeling of groundwater flow and transport
- Groundwater pollution and remediation
- Hard Rock Hydrology
- Hydraulics of horizontal and vertical wells
- Application of Artificial Neural Networks and Fuzzy Logic to Hydrology
- Climate Change

ADMINISTRATIVE POSITIONS:

1986-1988:	Chair, Department of Earth Sciences, Shiraz University.
1988-1989:	Vice Dean for Education, Science Faculty, Shiraz University
1989-2005:	Director of MSc and PhD programs
1997-2002:	Vice Dean for Postgraduate studies, Science Faculty, Shiraz University
1998-2000:	Director of environmental working group, Research and Technology Center, Fars Province.
2005-2008:	Dean, Science Faculty, Shiraz University.

HONORS AND AWARDS:

- Recipient of the MS and PhD top student scholarship, Iranian Ministry of Higher Education.
- Elected member of the Scientific Board, International Geosciences Program (formerly International Geological Correlation Program, IGCP), United Nations Educational, Scientific, and Cultural Organization (UNESCO) and International Union of Geosciences (IUG), 1997-2001.
- Distinguished researchers award, Shiraz University, 2005.

- Distinguished teachers award, Shiraz University, 2012.
- Outstanding reviewer award, Advances in Water Resources, Elsevier, 2014
- Member of Iranian Academy of Sciences, IRI (2014)

LIST OF PUBLICATIONS:

A) Published Journal Papers:

1. Jamshidi Z. and Samani N. (2025), Spatiotemporal Diversity of Precipitation and Climate Change over Iran Using PERSIANN-CDR Datasets, Journal of Hydrologic Engineering, ASCE (in review)
2. Mahdavi, L., Samani, N. Climate change and anthropological impacts on a karst aquifer: a multi-statistical assessment. *Theor Appl Climatol* **155**, 1821–1845 (2024). https://doi.org/10.1007/s00704-023-04707-7
3. Jamshidi Z. and Samani N. (2022), Mapping the spatiotemporal diversity of precipitation in Iran using multiple statistical methods, Theoretical and Applied Climatology (2022) 150:893–907, https://doi.org/10.1007/s00704-022-04191-5
4. Salmani-Dehaghi, N., Samani, N. (2021) Development of Bias-Correction PERSIANN-CDR Models for the Simulation and Completion of Precipitation Time Series. Atmospheric Environment https://doi.org/10.1016/j.atmosenv.2020.117981
5. Barati S. Tabatabei-Shourijeh P. Samani N. Asadi S. (2020) Stabilization of iron ore tailings with cement and bentonite: a case study on Golgohar mine, Bulletin of Engineering Geology and the Environment, 79:4151–4166, https://doi.org/10.1007/s10064-020-01843-6
6. Sheykhi V. and Samani N. (2020) Assessment of water quality compartments in Kor River,IRAN, Environ Monit Assess (2020) 192:532, https://doi.org/10.1007/s10661-020-08464-2
7. Nagheli S., Samani N., AD Barry (2020) Capture zone of a multi-well system in strip-shaped aquifers, PLUS-ONE https://doi.org/10.1371/journal.pone.0229767
8. Nagheli s. Samani N., AD Barry (2020), Capture zone of a multi-well system in aquifers bounded by segmented inflow boundaries. Journal of Hydrology https://doi.org/10.1016/j.hydroa.2020.100053
9. Karimi S. Samani N. and Mohammadi Z (2019) Characterization of Semnan thermal springs using principal component analysis and geochemical inverse

modelling Arabian Journal of Geosciences (2019) 12:777 https://doi.org/10.1007/s12517-019-4957-0

10. Salmani-Dehaghi, and N**, Samani N.** (2019), Spatiotemporal assessment of the PERSIANN family of satellite precipitation data over Fars Province, Iran, Theoretical and Applied Climatology, https://doi.org/10.1007/s00704-019-02872-2
11. Samani N, Sedghi M, Barry D (2018) Semi-analytical solution of flow to a well in an unconfined-fractured aquifer system separated by an aquitard, Journal of Hydrology 559:895-908
12. Nagheli S, Samani N, Barry A (2018) Capture Zone of a Well Field in an Aquifer Bounded by Two Parallel Streams World Academy of Science, Engineering and Technology 12:67-74
13. Azari T, Samani N (2018) Modeling the Neuman's well function by an artificial neural network for the determination of unconfined aquifer parameters Computational Geosciences 22:1135-1148
14. Zarei S, Samani N (2018) Capture zone of a multi-well system in bounded rectangular-shaped aquifers: Modeling and application, Iran J Sci Technol Trans Sci (2018) 42:191-201 DOI 10.1007/s40995-016-0046-3
15. Karimi S, Mohammadi Z, Samani N (2017) Geothermometry and circulation depth of groundwater in Semnan thermal springs, Northern Iran, Environ Earth Sci (2017) 76:659 DOI 10.1007/s12665-017-6983-0
16. Pasandi M, Salmani N, Samani N (2017) Spatial estimation of water-table depth by artificial neural networks in light of ancillary data Hydrological Sciences Journal 62:2012-2024
17. Azari T, Samani N, Mansoori E (2015) -An Artificial Neural Network Model for the Determination of leaky Confined Aquifer Parameters: An Accurate alternative to Type Curve Matching Methods, Iran J Sci Technol Trans Sci 39A4: 463-472
18. Samani N, Zarei S (2015) A General Analytical Capture Zone Model: A Tool for Groundwater Remediation IFAC 48:234-239
19. Samani N, Sedghi MM (2015) Semi-analytical solutions of groundwater flow in multi-zone (patchy) wedge-shaped aquifers, Adv Water Resour, 2015:77(1-16).
20. Sedghi MM, Samani N. (2015), Semi analytical solutions for flow to a well in an unconfined-fractured aquifer system, Adv Water Resour, 2015:83(89-101).
21. Zarei-Doudeji S, Samani N (2015), Capture zone of a multi-well system in rectangular-shaped bounded aquifers, IFAC-Papers Online 48-1 (2015) 234–239

22. **Samani N**, Sedghi MM (2015) Semi-analytical solutions of groundwater flow in multi-zone (patchy) wedge-shaped aquifers, ***Adv Water Resour***, 2015:77(1-16).
23. Sedghi MM, **Samani N**. (2015), Semi analytical solutions for flow to a well in an unconfined-fractured aquifer system, ***Adv Water Resour***, 2015:83(89-101).
24. Azari T, **Samani N**., Mansoori (2015), An artificial neural network model for the determination of leaky confined aquifer parameters: an accurate alternative to type curve matching methods, Iranian JST Science transaction, 39A4.
25. Zarei-Doudeji S, **Samani N** (2015), Capture zone of a multi-well system in rectangular-shaped bounded aquifers, ***IFAC***-PapersOnLine 48-1 (2015) 234–239
26. Zarei-Dodeji S and **Samani N** (2014), Capture zone of a multiwell system in bound peninsula shaped aquifers, J. Contaminant Hydrology, 164:114–124
27. Sahraei Parizi H. and **Samani N**. (2014), Environmental isotope investigation of groundwater in the Sarcheshmeh copper mine area, Iran, Mine Water Environ, 33:97–109, DOI 10.1007/s10230-014-0277-5
28. Sahraei-Parizi H., **Samani, N.** (2012), Geochemical evolution and quality assessment of water resources in the Sarcheshmeh copper mine area (Iran) using multivariate statistical techniques**, Environ Earth Sci**. DOI 10.1007/s12665-012-2005-4
29. Behrooz-Kohenjani S, **Samani N**. Kompani-Zare M. (2012), Steady flow a partially blind-wall well, ***Hydrological Processes***, DOI: 10.1002/hyp.9353.
30. **Samani, N**. Zarei-Dodeji S, (2012), Capture zone of a multi-well system in confined and unconfined wedge-shaped aquifers, ***Adv Water Resour***, doi:10.1016/j.advwatres.2012.01.004
31. Sedghi M, **Samani N**, Sleep B (2012**),** Boundary depletion rate and drawdown in a leaky wedge-shaped aquifer, ***Hydrological Processes,*** 26: 3101-3113
32. Behrooz-Kohenjani S, **Samani N**. Kompani-Zare M. (2011), Steady flow rate to a partially penetrating well with seepage face in an unconfined aquifer, ***Hydrogeology Journal***, 19:811-821.
33. Behrooz-Kohenjani S., **Samani N.**, Kopmani-Zare M. (2011), Maximum Steady Flow Rate to a Partially Penetrating Well in an Unconfined Aquifer, ***Hydrogeology Journal*** 19: 811–821.
34. Sedghi M, **Samani N**. (2010), Three-dimensional semi-analytical solutions of groundwater flow to a well in fractured wedge-shaped aquifers, ***Journal of Hydrologic Engineering*** (ASCE), Vol. 15, No. 12.

35. Sedghi M, **Samani N**, Sleep B (2009), Three dimension semi-analytical solution of groundwater flow to a partially penetrating well in confined and unconfined aquifers, ***Advances in Water Resources***, 32 (2009) 925–935.
36. Kompani-Zare M, **Samani N**, Behrooz-Kohenjani S (2009), Parameters affecting the occurrence of quicksand and drying up of large diameter wells gaining water from the bottom, ***Hydrogeology Journal,*** 17: 1175–1187.
37. Pasandi M. **Samani N**. and Barry D A (2008), Effect of wellbore storage and finite thickness skin on flow to a partially penetrating well in a phreatic aquifer, ***Advances in Water Resources***, 31, issue 2, 383-389.
38. **Samani N**., Gohari M. and Safavi A. A. (2007), A simple neural network for determination of aquifer parameters***, Journal of Hydrology***, 340, 1-11.
39. Nazeosadat H**. Samani N**. Barry D. A. Molaei M. (2006) "ENSO forcing on climate change in Iran: Precipitation analysis" ***Iranian Journal of Science and Technolog, Transaction B, Engineering,*** Vol. 30 No. B4**.**
40. **Samani N**. Pasandi M. and Barry D. A. (2006) "Characterizing a Heterogeneous Aquifer by Derivative Analysis of Pumping and Recovery Test Data" ***Journal of GSOI***, 1:29-41.
41. **Samani N**. Kompani-Zare M. Seyedian A. Barry D. A. (2006) "Flow to horizontal drains in isotropic unconfined aquifer" ***Journal of Hydrology***, 324, 178-194.
42. Kompani-Zare M. Zhan H. **Samani N**. (2005) "Analytical study of capture zone to a horizontal well in a confined aquifer" ***Journal of Hydrology***, 307, 48-59.
43. Kompani-Zare M. Zhan H. **Samani N**. (2005) "Flow from horizontal tunnel in Unsaturated Zone" ***Journal of Hydrology***, vol. 303,125-135.
44. Arfahnia R. and **Samani N** (2005), Separation of base and direct runoff hydrograph of Zayande Roud river, ***Science Journal of Tarbiat Moalem University***, Vol 5, no 3. (in Farsi).
45. Nazeosadat H**. Samani N**. Molaei M (2005), Climate change in south and south west Iran by precipitation analysis and its relation to Elnino, ***Journal of Agricalture***, Vol 28, No 2 (in Farsi).
46. **Samani N**. Kompani-Zare M. D. A. Barry (2004) "MODFLOW Equipped with a New Method for the Accurate Simulation of Axisymmetric Flow" ***Advances in Water Resources***, Vol. 27, p 31-45.
47. **Samani N**. (2002) "Response of Karst Aquifers to Rainfall and Evaporation, Maharlu Basin", ***Journal of Cave and Karst Studies*** 63(1), April.

48. **Samani N**. and Ghohari Moghadam M. (2001) "Evaluation and management of Sarvestan aquifer by the UNGW model" ***Journal of Science***, I.R.I., Vol. 12, No. 1, p 37-48.
49. Hatfield K., **Samani N**., and Noss R. (1998) Groundwater quality and land use management models for non-point source pollution control, ***Iranian Journal of Science,*** Vol. 22, No. 2.
50. **Samani N**. and Ebrahimi B. (1996) Analysis of spring hydrographs for hydrogeological evaluation of karst aquifer system, ***Theoretical and applied karstology journal***, vol. 9, March-April.
51. **Samani N**., Christensen B.A., and Najafi F. T. (1995) Optimum design of interbasin pipe systems, ***Journal of Eng***., IRI, Vol.8, No.1, Feb.
52. Hatfield K., **Samani N.**, and Noss R. (1994) Minimum impact modeling of nonpoint source groundwater pollution, ***Journal of Irrigation and Drainage***, ASCE, Vol. 120, No.1, Jan/Feb.
53. **Samani N**., Raeisi E., and Soultani A.R. (1994) Modeling the stochastic behavior of Iranian rivers in the Fars Province, ***Journal of Sciences***, IRI, Vol. I, no. I, pp 211-222.
54. **Samani N**. Raeisi E., and Soultani A.R (1993) Stochastic synthesis of droughts for reservoir storage design, ***Journal of Engineering***, IRI, Vol. I, No.2, pp 127-133.
55. **Samani N**. (1990), On the development and calibration of a parametric catchment sediment model, ***Journal of Engineering***, IRI, Vol. II, no.3, pp 47-54.
56. Farhoudi G., **Samani N**., Kowsar A. (1989) The origin of fresh water in the Persian Gulf, ***Journal of Applied Hydrology***, Vol. 6, no. 2.

C) Papers publish in national Journals in Persian (15 papers)
D) papers presented in National Conferences in Persian (35 papers)

D) Papers in refereed International conference proceeding:

1. Samani N. and Jamshidi, Z (2017), Climate Change Trend in Fars Province, Iran and Its Effect on Groundwater Crisis, Proceedings of the International Conference of Recent Trends in Environmental Science and Engineering (RTESE'17) Toronto, Canada – August 23 – 25, 2017 (Best Paper).

2. 34. Samani N. Zarei-Doudeji (2015), A General Analytical Capture Zone model: A Tool for Groundwater Remediation, IAH-CNC 2015, 27-30 Oct, University of Waterloo Samani N. Zarei-Doudeji (2015), A General Analytical Capture Zone model: A Tool for Groundwater Management, Inter. Conf. on Environmental Sci. Eng. and Technology, 5-6 May , University of Tehran (**Best Paper**)
3. 35. Sedghi MM, **Samani N** (2015) Effects of underlying fractured bedrock on an unconfined aquifer hydraulic behavior, National Conference of Water Crisis in Iran and the Middle East, Shiraz
4. Nagheli S, **Samani N** and Pasandi M. (2014) "Analysis of land subsidence with groundwater numerical modeling in Najaf Abad plain, Iran", 32rd national and 1st intr. Congress of Earth Sciences, Shiraz
5. Yazdandoost P., **Samani N**. (2014) "Vulnerability of Zarghan plain by formalin and benzen pollutions" 32rd national and 1st intr. Congress of Earth Sciences, Shiraz.
6. Salmani N, **Samani N**. and Pasandi M. (2014) "Forecasting spatial fluctuations of groundwater depth in Shibkooh aquifer using Artificial Neural Network", 32rd national and 1st intr. Congress of Earth Sciences, Shiraz.
7. **Samani N.** and Zarei-Doudeji S. Capture zone of a multiwall system in wedge-shaped aquifer for remediation purposes, ICEPR 2012, Montreal, Canada, 28-30 Aug. 2012.
8. Gudarzi M, and **Samani N**. (2011), Simulation of Industrial Pollution in Aquifer of Industrial Complex Zone of Shiraz, Engineering Geology and Environment Conference, Shahrood university of Technology, Iran. Sept. 10-14.
9. Joodavi A. and **Samani N**. (2011), A review of dispersivity calculation methods for solute transport modeling, Engineering Geology and Environment Conference, Shahrood University of Technology, Iran. Sept. 10-14.
10. Jamali M, **Samani N**. and Rezaei M (2009), Monitoring the petroleum leakage and groundwater water pollution in Tehran Refinery, ICWR2009, Shahrood University, Iran, 16-18 August.
11. Kompani-Zare M, **Samani N.** ans Behrooz-Kohenjani S (2009), Quick sand in large diameter wells: Analytical and Numerical analyses, 8icce, Shiraz University, Iran, 11-13 May.
12. **Samani N.** and Karimi S. (2009), Temporal and spatial variation of precipitation in Iran and its relation to ENSO, ICWR2009, Shahroud University, Iran, 16-18 August.
13. Behrooz-Kohenjani S., **Samani N.**, Kopmani-Zare M. (2009), Optimizing the well depth and discharge rate to sustain groundwater aquifers, ICWR 2009, Shahrood University, Iran, 16-18 August.
14. Sedghi M, **Samani N** (2009), Analytical models of drawdown and boundary depletion rate in a leaky wedge shaped aquifer**,** ICWR 2009, Shahrood University, Iran, 16-18 August.

15. Sedghi M, **Samani N** (2009), Analytical solution of groundwater flow to a constant head well in a confined wedge- shaped aquifer, ICWR 2009, Shahrood University, Iran, 16-18 August.

16. **Samani N**. and Gohari-Moghadam M. (2007), Aquifer parameters determination using neuro-fuzzy approach, Geoitalia 2007.

17. **Samani N**. and Pasandi M (2006), Maharlu karst basin behaves as double porosity media, 8th Conference on limestone hydrogeology, Neuchatel, Switzerland.

18. **Samani N**. and Raoof A (2006), Modeling flow and solute transport to solve environmental problems in Kerbala city, Iraq, EGU2006, Vienna, 2-7April.

19. Kompani-Zare M., **Samani N**. & Zhan H (2005), Seepage Rate from Dry Section of Qanats, Int. Conf. on Qanats, December, Yazd, Iran.

20. **Samani, N**. Rahimpour N. and Pasandi M (2005), Hydrogeological evaluation of Sarcheme copper mine hard rock aquifer, 24th conference of Iranian Geological Society, 2-5 March, Tehran, Iran (in Farsi).

21. **Samani N** and Raoof A. (2005), Heterogeneities of Karbela aquifer, 9th Conf. of Iranian Geological Society, 3-5 September, Tehran (in Farsi).

22. **Samani N**. and Kompani-Zare M (2004), On the Hydraulics of Qanats, 32th IGC Florence, Italy.

23. Kompani-Zare M. Zhan H. **Samani N**. (2004) "Capture zone of horizontal wells", AGU Fall Meeting Abstracts Vol. 36, No.1, February.

24. **Samani N**. Kompani-Zare M. Seyedian A. Barry D. A. (2004) "Flow to horizontal drains in anisotropic unconfined aquifer", Computational Methods in Water Resources XV meeting held in Chapel Hill, USA, on June 13-17.

25. **Samani N**. Kompani-Zare M. D. A. Barry (2003) " Modflow Equipped with a New Method for the Accurate Simulation of Axisymmetric Flow" MODFLOW 2003, Golden, CO, USA, Sept 17-19.

26. Kazemi R & **Samani, N** (2003), Darcy's law in Ghochan Unconfined aquifer, 4th Conf. Hydraulics, Shiraz University (in Persian).

27. **Samani N**., Hatfield K., and Noss R (2002), Modeling to Maximize Acceptable Nonpoint Source Groundwater Pollution: Theory & Application, Earth System Processes, A Global Meeting by Geological Society of America and Geological Society of London, 24-28 June, Edinburgh, Scotland.

28. Yoosefi B & **Samani N**. (2003), Calibration of Groundwater models by Genetic Algorithm, 4th Conf. Hydraulics, Shiraz University (in Persian).

29. **Samani N**. & Pasandi M. (2002), Derivative Evaluation of a Heterogeneous Aquifer, XXXI IAH Congress, Munich Germany, 10-14th Sept.

30. **Samani N**. & Donyaie (2001), Hydrogeology of Gorgan Basin, The 5th Symp. of IGS, Tehran.

31. **Samani N**. and Namdar Ghanbari R (2001), The Development of an Analytical Solute Transport Model Using Particle Random-walk Technique and Image Well Theory, Environmental Hydraulics Conf., Dec. Tempe, USA.

32. **Samani N**. and Namdar Ghanbari R (2001), The Development of an Analytical Solute Transport Model, 1st Intern. Environmental Engineering Symposium, Jan. 16-18. Tehran, Iran.

33. **Samani N**. and Pasandi M (1999), Application of Time-Drawdown Derivative Curves In The Analysis of Pumping Test Data, Proc. of The 3rd Symp. of IGS, Shiraz, Iran, 31st Aug.-2nd Sept.

34. **Samani N**. and A. Nickandish (1999), "The Study of Short Term Fluctuation of Groundwater Level of Sarvestan Basin", Regional Conf. on Water Balance, Ahvaz. 26.

35. **Samani N**. and Z. Mohammadi (1999), Controlling Groundwater Pollution by Analytical Models, 1st National Conf. on Eng. Geology and the Environment, Teheran, 11-13 Khordad (in Persian).

36. **Samani N**. and A. Nickandish (1998) Forecasting Hydrological Time Series by Stochastic Models, The 2nd Symp. of Geological Society of Iran, 18-20 May (in Persian).

37. **Samani N**. and Hobevatan M (1997) "Groundwater Recharge Estimation by the Analysis of Spring Hydrographs", Proc. 1st IGS, 4-6 Sept., Tehran University, Iran.

38. **Samani N**. and Sahraei H (1997) "Stochastic Response of Karst Aquifers to Rainfall and Evaporation, Maharlu Basin", Iran.Proc. Intr. Symposium Water for 21st century, June 17-19, 1997, Lahore, Pakistan.

39. **Samani N**. and Dolati M. (1997)'Hydrogeological evaluation of hard rock aquifer by analytical models' 1st Iranian Geological Conf., Tehran, Aug 21-23, In Persian.

40. **Samani N**. and Behrouz S. (1997) Optimal Distribution of Artificial Groundwater Recharge and its Stability, 8th, Int. Conference on Rainwater Catchment Systems, Tehran, Iran, 21-25 April.

41. **Samani N**. and Behrouz S. (1996) Hydrogeological Evaluation and Management of Daryan Plain, By a Numerical Model, Geological Congress of Iranian Universities, Kerman, Iran, 26-28 Aug.

42. **Samani N**. and Ebrahimi B. (1996) Evaluation of analytical models in the determination of karst aquifer characteristics, Geological congress of Iranian Universities, Kerman, Iran, 26-28 Aug.

43. **Samani N**. and Ebrahimi B. (1996) Estimation of Karst aquifer parameters by a combined analytic-electric analog model, 30th IGC, Beijing China, 4-14 Aug.

44. **Samani N**. and Ebrahimi B. (1996) Analysis of Spring hydrographs for hydrogeological evaluation of karst aquifer system, XIV Theoretical and Applied Karstology Symposium, Baile Herculane, Romania, May 26-June 1.

45. **Samani N**. and Yakhkeshi A. (1995) Stochastic Analysis of Groundwater level fluctuation in response to Hydrologic factors in Behshar-Neka Plain Regional Conference on Water Resources Management, Isfahan, University of Technology 28-31 Aug.

46. **Samani N**. and Boustani F. (1995)"Evaluation of Artificial Recharge projects and their Quantitative effects on the Groundwater Level", Regional Conference on Water Resources Management, Isfahan, Iran, 28-30 Aug.
47. **Samani N**. and Shirvani F. (1995) "A finite Element Distributed catchment Erosion Model", Regional Conference on Water Resources Management, Isfahan University of technology, Iran, Aug. 28-30.
48. **Samani N**. and Ghohari M. (1995), "On the application of a numerical groundwater model to the Sarvestan basin, Fars Province, Iran". Regional Conference on Water Resources Management, Isfahan University of Technology, Iran, Aug. 28-30.
49. **Samani N.** Ovasi B. (1994) Mechanical properties and failure criteria of some geological formation, Cong. of Iranian Geological Survey Feb. 1994.
50. **Samani N**. (1993) Evaluation of karst in tropical, semi-tropical, semi-arid and arid areas, Int. Symposium on Water Resources in Karst with Special Emphasis on Arid and Semi Areas, Shiraz, Iran, Oct. 23-28.
51. Raeisi E., **Samani N**., and Sobouti Y. (1991) Fractal characteristics of karst geomorphology, Proc. of the Int. Symposium on Karst of Inner Plate Region with Monsoon Climate, Institute of Karst Geology, Guilin, China, July 7-Aug.3, pp. 183-187.
52. Raeisi E. and **Samani N**. (1990), The relation between electrical conductivity and ionic sums of natural water, Proc. of The 3rd Int. Iranian Cong. Civil Eng., Shiraz University, Shiraz, Iran, Vol. 2, pp. 695-705.
53. **Samani N**., Raeisi E., and Soultani A.R. (1990) Reservoir Storage of Ghara-aghaj river by means of time series analysis, Proc. of 3rd Int. Iranian Cong. of Civil Eng. Shiraz University, Shiraz, Iran, May 14-18, Vol.2, pp. 285-297.
54. **Samani N**. (1990) On the cause of the Estahban-Niriz landslide, Proc. of the 3rd Int. Iranian Cong. of Civil Eng., Shiraz University, 14-18 May, 1990.
55. **Samani N**. (1989) A general sediment transport formula, Proc. of 1st Iranian conf. of Hydrology, 10-13 May.

C) BOOKS

1. The use of stereographic projection in structural geology, Phillips (1986), translated to Persian, ***Shiraz University Press***, Publ. No.207, (1992).

2. Foundation of Structural Geology, Park (1986), translated to Persian, ***Shiraz University Press***, Publication no. 244, 1996.

3. Structural Analysis and Synthesis, Rowland S.M and Duebendorfer E.M., (2002), translated to Persian, ***University Press***, Tehran.

4. Applied Hydrogeology (2014), Fetter. Translated to Persian, ***Navid International Press***, Shiraz, Iran, 932pp.

SUPERVISED THESES

a) PhD Degree

1. Mazda Kompani- Zare, On the Hydraulics of Wells, Drains and Tunnels, Dec. 2003.
2. Mohhammad Gohari Moghadam, Application of Artificial Neural Networks & Neuro- Fuzzy Approaches to Aquifer Parameters Determination, Aug. 2007.
3. Mehrdad Pasandi, Effects of Wellbore storage and finite thickness skin on flow to horizontal and vertical wells, Nov. 2007.
4. M. M. Sedghi, Hydraulics of wedge-shaped aquifers, Sept. 2010.
5. S. Behrooz-Kohenjani, Steady flow to partially penetrating wells in confined and unconfined aquifers, 2011.
6. H. Sahraei-Parizi, Evaluation of the origin of groundwater in the Sarcheshmeh copper mine area. 2013
7. S. Zarei-Dodeji, Capture zone of a multi-well system in bounded Aquifers, 2014.
8. T. Azari., Aquifer parameters determination by the Artificial Neural Network. 2015
9. S. Karimi, Hydraulics of Injection Wells
10. N. Salmani-Dehaghi "Spatiotemporal assessment of the PERSIANN family of satellite precipitation data over Fars Province, Iran", 2020.
11. S. Nagheli "The Development and Application of Analytical Capture Zone Models of Multi-Well Systems in Bounded Aquifers", 2020.
12. L. Mahdavi "Evaluation of Mathematical and Statistical Methods on the Recognition of Climate Change and Human Activities Impacts on the Sarbalesh Anticline Groundwater System", 2023
13. Z. Jamshidi "Spatiotemporal assessment of the PERSIANN family of satellite precipitation data over Iran", 2025.

b) MSc degree

1. Farshad Shirvani, A Distributed Finite Element Catchment Sediment Model, Jan. 1993.
2. M. Gohari Moghaddam, Evaluation and Management of Sarvestan Aquifer by a Mathematical Model, Oct. 1994.
3. Fardin Boustani, Evaluation of Artificial Recharge Projects & Their Quantitative Effects on the Groundwater Level, Aug. 1994
4. Hassan Sahraei Parizi, Response of Karstic Aquifers to Hydrological Factors: A Stochastic Approach, Sept.1995.
5. S. Behrouz Khohenjani, The study and management of Dariyan aquifer by UNGW mathematical model, Sept. 1995.
6. Babak Ebrahimi Broujerdi Motlagh, The Development of Conceptual Models of Karst Aquifers by Spring Hydrograph, Sept. 1996.
7. Javad Doulati, Evaluation of Hard Rocks Aquifers Using Analytical Models & Pumping Test Data, March. 1998.
8. Mohammad Hobbevatan, Estimating Groundwater recharge and discharge from Streamflow Records using analytical model, Jan. 1998.

9. Zargham Mohammadi, The Study of Distribution of Dissolved Pollutant in Groundwater by Analytical & Numerical Models, Sept. 1999.
10. Mehrdad Pasandi, Analysis and Evaluation of Pumping Test Data by Drawdown-Time Derivative Curves, Dec. 1999.
11. Abazar Mostafaie, The Evaluation of Artificial Recharge Potential of Sarvestan Basin by Numerical & Analytical Models with Reference to Kuhenjan Project, Jul. 2000.
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- Member, American Society of Civil Engineers (ASCE)
- Member, International Association of Hydrologist (IAH)
- Member, Iranian Association of Hydrologists (IASH).
- Member, Geological Society of Iran (GSOI).
- Member, Iranian Society of Engineering Geology and Environment (IAEGE)
- Member, Iranian National Committee of IGCP, UNESCO.

EDITORIAL ACTIVITIES:

- Member of Editorial Board of Iranian Journal of Science and Technology: Transaction A.
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