IN THE NAME OF GOD
Curriculum Vitae (CV)

I) PERSONAL INFORMATION

Name: **SEYED HAMIDREZA SADEGHI**
Date of birth: **03-09-1968**
Place of Birth: **KHANSAR, ESFAHAN Province, IRAN**
Marital stage: **MARRIED (Having two children)**
Address: **Department of Watershed Management Engineering, Faculty of Natural Resources, Tarbiat Modares University, Imam Reza Blvd. NOOR 46417-76489, IRAN.**
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Google Scholar**: https://scholar.google.com/citations?user=3Wr5Yy4AAAAJ&hl=en**
Research gate: **https://www.researchgate.net/profile/Seyed_Hamidreza_Sadeghi**
Scopus: **https://www.scopus.com/authid/detail.uri?authorId=16833948500**
WoS: **https://www.webofscience.com/wos/author/record/W-6080-2018**

II) EDUCATIONAL RECORDS

Degree	Institute	Field	Date
A.Sc.	University of Guilan, Iran	Natural Resources	1987
B.Sc.	Gorgan University of Agricultural Science and Natural Resources, Iran	Rangeland and Watershed	1989
M.Sc.	Tarbiat Modares, Iran	Watershed Management Engineering	1992
Ph.D.	G.B.Pant University of Agriculture and Technology, India	Soil and Water Conservation Engineering (SG Development)	2000
Post Doc.	Kyoto University, SABO Lab., Japan	Mechanism and processes governing suspended sediment yield in forest watershed	2006

III) EXPERIENCES

-Expert of Watershed Management Engineering, Ministry of Agriculture, Zayandeh Roud Dam Basin during 1986-1988.
-Master Expert of Watershed Management Engineering, Ministry of Jihad-e-Sazandegi during 1991-1994.
-Assistant Professor at Tarbiat Modares University, Tehran, Iran since 1994.
-Head, Departments of Watershed Management Engineering and Rangeland Management since Dec. 2001 until May 2004, Tarbiat Modares University.
- Head, Department of Watershed Management Engineering Tarbiat Modares University, from May 2004 to 18 Jun., 2011.
- Associate Professor at Tarbiat Modares University, Tehran, Iran since 2006.
- Vice Dean, Faculty of Natural Resources and Marine Sciences, Tarbiat Modares University since 2009.
- Dean, Faculties of Natural Resources and Marine Sciences, Tarbiat Modares University since 2010.
- Dean, International Campus of Tarbiat Modares University, Noor from 2010-2014.
-Member of Scientific and International Cooperation Committee of Tarbiat Modares University since Mar. 2011.
-Member of Planning and Evaluation Committee of International cooperation, Tarbiat Modares University since Jun. 2011.
-Full professor at Tarbiat Modares University, Tehran, Iran since Jun. 2011.
-Head, Department of Watershed Management Engineering, Tarbiat Modares University from May 2015 to Oct. 2021.

-Member of the Economic Development Committee of Tarbiat Modares University, from Jan. 2023 to Jan. 2024.

IV) MEMBERSHIP OF SCIENTIFIC SOCIETIES

1) Academic staff of Watershed Management Division of Ministry of Jihad-e-Sazandegi, 1995-1997.
2) Member of establisher Committee of Watershed Management Association, Iran, 1996.
3) Member of National Committee of Soil Erosion and Sediment, Associated with National Committee of Hydrology (UNESCO), since 1994.A
4) Life Member of Indian Society of Agricultural Engineers (ISAE) since 1998. LM-8098.
5) Member of Iranian Water Resources Association (IR-WRA) since 1992.
6) Member of Iranian Soil Science Society since 1995.
7) Life Member of World Association of Soil and Water Conservation (WASWC) since 2000.
8) Member of International Association of Hydrological Sciences (Membership No. 8791) since 2006.
9) Member of International Water Resources Association (Membership No. 8158) since 2007.
10) Member of Iranian Water Harvesting System since 2010.
11) Member of the Goverance Council of the International Center for Integrated Management of Watershed and Bio-Resources in Arid and Semi-Arid Regions (UNESCO) sine June 2024.

V) REFERREE FOR JOURNAL ARTICLE SUBMITTED TO:

1) Journal of Natural Resources, University of Tehran, Iran
2) Journal of Natural Resources, University of Gorgan, Iran
3) Research Journal of Watershed Management, Agricultural Science and Natural Resources University of Sari, Iran
4) Journal of Marine Sciences, Tarbiat Modares University, Iran
5) Journal of Pazhohesh and Sazandegi, Iran
6) Journal of Water Resources Researches, Iran
7) Journal of Agricultural Engineering Research, Iran
8) Journal of Watershed Management Science and Engineering, Iran
9) Journal of Soil and Water Conservation, Iran
10) Journal of Watershed Sciences and Engineering, Iran
11) Journal of Tillage Research, the Netherlands
12) Journal of Agricultural Water Research, the Netherlands
13) Journal of Agricultural Science and Technology (JAST), Iran
14) Journal of Science and Technology, Mohaghegh Adrebili University, Iran
15) Journal of Rangeland Ecology and Management, USA
16) Rangeland Journal, Iranian Association of Rangeland Management
17) International Journal of Sediment Research, IRTCES, China
18) Agricultural Science Journal of Tabriz University, Iran
19) Geomorphology
20) Scientia Agricola, Brazil
21) Journal Agricultural Science and Technology Journal, Ferdowsi University of Mashhad
22) Journal of Land Use Policy, Uk
23) Journal of Water Research, Shahrekord University
24) Journal of Water Science, Azad Eslami University Research Branch, Iran
25) International Journal of Physical Sciences, India
26) Journal of Hydrologic Engineering, ASCE, USA
27) Geoderma, the Netherlands
28) Computers and Geosciences, England
29) Geographical Studies Journal, Tarbiat Moalem University of Sabzevar
30) Hydrology and Earth System Sciences (HESS-European Geoscience Union)
31) Research Iranian Journal of Researches on Support and Protection of Forests and Rangelands
32) Journal of Soil and Water Conservation, USA
33) Journal of Soil Sciences, Canada
34) Journal of Archives of Agronomy and Soil Science, England
35) Water and Waste Water Journal, Iran
36) Journal of Earth System Science, Springer

37) Journal of Agricultural Engineering (Agricultural Research Journal), Ahvaz Shahid Chamran University, Iran
38) African Journal of Agricultural Research
39) Journal of Stratigraphy and Sedimentology, University of Isfahan, Iran
40) Journal of Rangeland Science, Islamic Azad University, Borujerd Branch, Iran
41) Tehran Geographical Research Journal
42) Caspian Journal of Environmental Science, Iran
43) Journal of Iran Water and Soil Researches, University of Tehran, Iran
44) Water Resources Engineering Journal (Azad University-Marvdasht Branch), Iran
45) Iranian Journal of Irrigation and Water Engineering
46) Journal of Stochastic Environmental Research and Risk Assessment
47) Land Degradation and Development, Springer
48) Scientia Iranica, Sharif University of Technology, Iran
49) International Journal of Physical Sciences, India
50) Journal of Agricultural Extension and Rural Development, India
51) Environmental Management, Springer
52) Environmental Erosion Researches Journal, Hormozgan University, Iran
53) International Journal of Environmental Resources Research, Gorgan University, Iran
54) International Journal of Water Resources and Environmental Engineering, Academic Journals
55) Hydrological Processes, Springer
56) Water and Soil Resources Conservation Journal, Azad University, Researches and Science Branch
57) Journal of Natural Resources and Sustainable Development, Malayer University
58) Catena, Elsevier
59) Earth Surface Processes and Landforms, Springer
60) GeoJournal, Springer
61) Iranian Journal of Applied Ecology, University of Tehran
62) Lakes and Reservoirs: Research and Management, Wiley
63) African Journal of Earth Science, Elsevier
64) Agricultural Research Journal, Shiraz University
65) Irrigation and Drainage Journal
66) Physical Geography Research Quarterly, Institute of Geography, University of Tehran, Iran
67) Desert Ecosystems Engineering Journal, Kashan University. Iran
68) Biomass and Bioenergy, Elsevier
69) Journal of Environmental Engineering and Science, Institution of Civil Engineers, Canada
70) Journal of the Saudi Society of Agricultural Sciences
71) Journal of Water Resource and Protection, China
72) Environmental Monitoring and Assessment, Springer
73) International Journal of Agricultural Policy and Research
74) Journal of Hydro-Environment Research, Elsevier
75) American Soil Science Scienty Journal
76) Heliyon, Elsevier
77) European Journal of Forest Research
78) Journal of Soils and Sediments, Springer
79) Iranian Journal of Degradation and Rehabilitation of Natural Land
80) Canadian Journal of Soil Science
81) Indian Journal of Science and Technology
82) Advances in Science, Technology and Engineering Systems Journal, United States
83) Journal of Applied Polymer Science, John Wiley
84) CLEAN - Soil, Air, Water
85) Journal of South American Earth Sciences
86) Water Research, Elsevier
87) Pedosphere, Elsevier
88) Journal of Hydro-environment Research, Elsevier
89) Acta Geophysica, Springer

90) Soil Use and Management, John Wiley
91) Frontiers in Environmental Science, Springer
92) Environmental Science and Pollution Research, Springer
93) Geography, Environment, Sustainability Journal, Lomonosov Moscow State University
94) Science of the Total Environment, Elsevier
95) Ecological Indicators, Elsevier
96) Scientific African, Elsevier
97) Watershed Ecology and the Environment, Elsevier
98) Agronomy Journal, Springer
99) Ecohydrology & Hydrobiology, Elsevier
100) International Journal of Environmental Science and Technology, Springer
101) Flow Measurement and Instrumentation, Elsevier
102) Water and Soil Management and Modeling, Mohaghegh Ardabili University
103) Water, MDPI
104) Journal of Advanced Research in Applied Sciences and Engineering Technology, Semarak Ilmu Publishing, Malaysia
105) Physics and Chemistry of the Earth, Elsevier
106) Urban Water Journal, Springer
107) International Journal of Disaster Risk Reduction, Elsevier

VI) RESEARCH INTERESTS:

1)Soil Erosion and Sediment Yield Modeling
2)Soil and Water Conservation
3)Watershed Management

VII) RESEARCH PUBLICATIONS:

- Indexed Papers (ISI, Scopus, English Journals)

1) Erfanzadeh, R. and **Sadeghi, S.H.R., 2003.** Study on forage quality of some legumes in different phonological stages in Iran, African Journal of Range and Forage Sciences, 20(2):1750. (Q2)
2) **Sadeghi, S.H.R.,** Singh, J.K. and Das, G., 2004. Efficacy of annual soil erosion models for storm-wise sediment prediction: A case study, International Agricultural Engineering Journal, Thailand, 13(1 and 2): 1-14. (Q4)
3) **Sadeghi, S.H.R.,** Singh, J.K. and Mahdavi, M., 2004. Feasibility evaluation of computer model SEDIMOT II in flood estimation for Amameh Watershed in Iran, Indian Journal of Soil Conservation, 32(2): 95-99.
4) **Sadeghi, S.H.R.** and Jalali Rad, R., 2004. Floodplain zoning in an Iranian urban watershed using HEC-RAS hydraulic model and ArcView GIS, Hydrology Journal of Indian Associations of Hydrologists, 27(1-2):69-77.
5) **Sadeghi, S.H.R.** and Mahdavi, M., 2004. Applicability of SEDIMOT II model in flood and sediment yield estimation, Journal of Agricultural Sciences and Technology (JAST), 6(3and4):147-154. (Q3)
6) **Sadeghi, S.H.R.** and Singh, J.K., 2005. Development of synthetic sediment graph using hydrological data, Journal of Agricultural Sciences and Technology (JAST), 7(1and2):69-77. (Q3)
7) **Sadeghi, S.H.R.,** 2005. A semi-detailed technique for soil erosion mapping based on BLM and satellite image applications, Journal of Agricultural Sciences and Technology (JAST), 7(3and4):133-142. (Q3)
8) **Sadeghi, S.H.R.,** Fattahi, B., Safaeian, N.A. and Erfanzadeh, R., 2005. Effects of grazing on some of soil physico-chemical characteristics in Lar Region National Park, Iran, Hydrology Journal of Indian Associations of Hydrologists, 28(1-2):79-88.
9) Behzadfar, M., Moradi, H.R. and **Sadeghi, S.H.R.,** 2005. Modeling rainfall erosivity factor at storm scale: A case study in Khuzestan Province, Iran, The Journal of Humanities of the Islamic Republic of Iran, 12(3):41-50.
10) **Sadeghi, S.H.R.** and Mizuyama, T., 2006. Commentary paper on application of the USLE and sediment delivery models in a mountainous catchment, Journal of Japan Society of Erosion Control Engineering, 59(4):58-59. (Q3)

11) **Sadeghi, S.H.R.,** Mizuyama, T. and Ghaderi Vangah, B., 2007. Conformity of MUSLE estimates and erosion plot data for storm-wise sediment yield estimation, Journal of Terrestrial, Atmospheric and Oceanic Sciences, 18(1):117-128. (Q4)
12) **Sadeghi, S.H.R.,** Mizuyama, T., Miyata, S., Gomi, T., Kosugi, K., Mizugaki, S. and Onda, Y., 2007. Is MUSLE apt to small steeply reforested watershed? Journal of Forest Research, 12: 270-277. (Q3)
13) **Sadeghi, S.H.R.** and Mizuyama, T., 2007. Applicability of modified universal soil loss equation for prediction of sediment yield in Khanmirza watershed, Iran, Hydrological Science Journal (IAHS), 52(5):1068-1075. Doi.org/1623/hysj.52.5.1068. (Q2)
14) **Sadeghi, S.H.R.** and Rahimzadeh Halagh, N., 2007 .Comparison of wheatgrass (*A. intermedium*) and tall wheatgrass (*A. elongatum*) in transpiration viewpoint, Caspian Journal of Environmental Science, 5:41-44.
15) **Sadeghi, S.H.R.,** Ghaderi Vangah, B. and Safaeian, N.A., 2007. Comparison between effects of open grazing and manual harvesting of cultivated summer rangelands of Northern Iran on Infiltration, Runoff and Sediment Yield, Land Degradation and Development,18: 608–620. (Q2)
16) **Sadeghi, S.H.R.,** Azari, M. and Ghaderi Vangah B., 2008, Field evaluation of the hillslope erosion model (HEM) in Iran, Biosystems Engineering, 99(2): 304-311. (Q1)
17) **Sadeghi, S.H.R.**, Mizuyama, T., Miyata, S., Gomi, T., Kosugi, K., Fukushima, T., Mizugaki, S. and Onda, Y., 2008. Determinant factors of sediment graphs and rating loops in a reforested watershed, Journal of Hydrology, 356:271-282. (Q1)
18) Vaezi, A.R., **Sadeghi, S.H.R.,** Bahrami, H.A. and Mahdian M.H., 2008, Modeling the USLE K-factor for calcareous soils in northwestern Iran, Geomorphology, 97(3-4):414-423. (Q1)
19) **Sadeghi, S.H.R.**, Mizuyama, T., Miyata, S., Gomi, T., Kosugi, K., Mizugaki, S. and Onda, Y., 2008. Development, evaluation and interpretation of sediment rating curves for a Japanese Small Mountainous Reforested Watershed, Geoderma, 144(1-2): 198-211. (Q1)
20) Najafi, A., Solgi, A. and **Sadeghi, S.H.R.** 2009. Soil disturbance following four wheel rubber skidder logging on the steep trail in the north mountainous forest of Iran, Soil and Tillage Research, 103:165-169. (Q1)
21) **Sadeghi, S.H.R.**, Mizuyama, T., Singh, J.K. and Tofighi, B., 2009. Applicability of instantaneous unit sediment graph model in an Iranian Large Watershed, International Journal of Ecological Economics and Statistics, USA, 13(W09):30-45. (Q4)
22) **Sadeghi, S.H.R.**, Jalili, Kh. and Nikkami. D., 2009. Land use optimization in watershed scale, Land Use Policy, 26: 186-193. (Q1)
23) **Sadeghi, S.H.R.,** 2009. Interactive comment on "Analyzing the relationship between peak runoff discharge and land-use pattern – a spatial optimization approach", Hydrology and Earth System Sciences Discussions, 6: 565C-566C. (Q3)
24) **Sadeghi, S.H.R.,** Hajigholizadeh, M., Vafakhah, M. and Singh. J.K., 2009. Effects of hydraulic structures on changing flood zones in Kan River, Iran, Journal of Soil and Water Conservation, 8(1): 1-8. (Q2)
25) **Sadeghi, S.H.R.** and Tofighi, B., 2010. Suspended sediment flux in watershed: A case study, International Journal of Ecology and Development, 17(f10): 56-65.
26) Vaezi, A.R., **Sadeghi, S.H.R.,** Bahrami, H.A. and Mahdian M.H., 2010. Spatial variability of soil erodibility factor (K) of the USLE in North West of Iran, Journal of Agricultural Sciences and Technology (JAST), 12: 241-252. (Q3)
27) Vaezi, A.R., **Sadeghi, S.H.R.,** Bahrami, H.A. and Mahdian M.H., 2010. Modeling relationship between runoff and soil properties in dry-farming lands, NW Iran, Hydrology and Earth System Sciences Discussions, 7: 2577-2607. (Q3)
28) Khaledi Darvishan A., **Sadeghi, S.H.R.** and Gholami L. 2010. Efficacy of time-area method in simulating temporal variation of sediment yield in Chehelgazi watershed, Iran, Annals of Warsaw University of Life Sciences-SGGW, Land Reclamation, 42(1):51-60.
29) Aghkakli, B.M., Najafi, A. and **Sadeghi, S.H.R.**, 2010. Ground based operation effects on soil disturbance by steel tracked skidder in a steep slope of forest, Journal of Forest Science, 56(6):1-9. (Q2)

30) **Sadeghi, S.H.R.** and Saeidi, P., 2010. Reliability of sediment rating curves for a deciduous forest watershed in Iran, Hydrological Sciences Journal, 55(5):821-831. Doi.org/10.1080/02626667.2010.489797. (Q2)
31) **Sadeghi, S.H.R.** and Singh, J.K., 2010. Derivation of flood hydrographs for un-gauged upstream sub-watersheds using main outlet hydrograph. Journal of Hydrologic Engineering, ASCE, 15(12):1059-1069. Doi.org/10.1061/(ASCE)HE.1943-5584.0000275. (Q3)
32) Moradi, H.R., Fazelpor, M.R. and **Sadeghi, S.H.R.,** 2011. Assessing land use changes in Ardakan Area using remote sensing, Journal of Geography and Regional Planning, 4(2): 77-86.
33) **Sadeghi, S.H.R.,** Moatamednia, M. and Behzadfar, M., 2011. Spatial and temporal variations in the rainfall erosivity factor in Iran, Journal of Agricultural Sciences and Technology (JAST), 13 (3): 451-464. (Q3)
34) Vaezi, A.R., Bahrami, H.A., **Sadeghi, S.H.R.,** and Mahdian M.H., 2011. Developing a nomograph for estimating erodibility factor of calcareous soils in North West Iran, International Journal of Geology, 4(5):93-100.
35) Vaezi, A.R. and **Sadeghi, S.H.R.**, 2011. Evaluating the RUSLE model and developing an empirical equation for estimating soil erodibility factor in a semi-arid region, Spanish Journal of Agricultural Research, 9(3):912-923. Doi.org/10.5424/sjar/20110903-229-10. (Q3)
36) **Sadeghi, S.H.R.,** Kiani Harchegani, M. and Younesi, H.A., 2012. Suspended sediment concentration and particle size distribution and their relationship with heavy metals contents, Journal of Earth System Science, 121(1):63-71. Doi.org/10.1007/s12040-012-0143-4. (Q3)
37) **Sadeghi, S.H.R.,** Moosavi, V., Karami, A. and Behnia, N., 2012. Soil erosion assessment and prioritization of affecting factors at plot scale using the Taguchi Method, Journal of Hydrology, 448-449: 174-180. Doi.org/10.1016/j.jhydrol.2012.04.038. (Q1)
38) Sadeghi, S.H., Mousavi, S.F., **Sadeghi, S.H.R.** and Abdolali, M., 2012. Factor H for the calculation of head loss and sizing of dual-diameter lateral. Journal of Agricultural Sciences and Technology (JAST), 14: 1555-1565. (Q3)
39) **Sadeghi, S.H.R.** and Kiani Harchegani, M., 2012. Effects of sand mining on suspended sediment particle size distribution in Kojour Forest River, Iran. Journal of Agricultural Sciences and Technology (JAST), 14: 1637-1646. Doi.org/20.1001.1.16807073.2012.14.7.4.6. (Q3)
40) Gholami, L., **Sadeghi, S.H.R.** and Homaee, M., 2012. Straw mulching effect on splash erosion, runoff and sediment yield from eroded plots in different rainfall intensities, Soil Science Society of America Journal, 77: 268-278. Doi.org/10.2136/sssaj2012.0271. (Q3)
41) **Sadeghi, S.H.R.,** Bashari Seghaleh, M. and Rangavar, A.S., 2013. Plot sizes dependency of runoff and sediment yield estimates from a small watershed, Catena, 102:55-61. Doi.org/10.1016/j.catena.2011.01.003. (Q1)
42) **Sadeghi, S.H.R.,** Gholami, L. and Khaledi Darvishan. A.V., 2013. Suitability of MUSLT in storm-wise sediment yield prediction in Chehelgazi Watershed, Iran, Hydrological Sciences Journal, 58(4):1-6. Doi.org/10.1080/02626667.2013.782406. (Q2)
43) Golrang, B.M., Lai, F.S., **Sadeghi, S.H.R.,** Kamurudin, M.N., Kudus, K.A., Mashayekhi, M. and Bagherian, R., 2013. Assessment of watershed management implemented on spring peak flood discharge and flood volume, using HEC-HMS model (Case study: Kushk Abad sub-basin in Iran). Science and Nature, 2(2):59-64.
44) Golrang, B.M., Lai, F.S., Rostami, M., Kamurudin, M.N., Kudus, K.A., **Sadeghi, S.H.R.** and Mashayekhi, M., 2013. The relationship between level of watershed projects success and level of people participation, World of Sciences Journal, 1(3): 1-9. (Q3)
45) Vahidi, M.J., Jafarzadeh, A.A., Fakhrifard, A., **Sadeghi, S.H.R.**, Rezaei-Moghaddam, M.H., Sofia, G. and Tarolli, A., 2013. Digital change detection using remotely sensed data for monitoring land use/land cover in Hervi Watershed, Iran. International Journal of Agriculture: Research and Review, 3(2):423-440.
46) **Sadeghi, S.H.R.,** Abdollahi, Z. and Khaledi Darvishan. A.V., 2013. Experimental comparison of some techniques for estimating natural rain drop size distribution in south coast of the Caspian Sea, Iran. Hydrological Sciences Journal, 58(6):1-9. Doi.org/10.1080/02626667.2013.814917. (Q2)

47) **Sadeghi, S.H.R.,** Gholami, L., Khaledi Darvishan, A.V. and Saeidi, P., 2013. A review of the application of the MUSLE model worldwide. Hydrological Science Journal, 59(2):1-11. Doi.org/10.1080/02626667.2013.866239. (Q2)
48) Khaledi Darvishan, A.V., **Sadeghi, S.H.R.**, Homaee, M. and Arabkhedri M., 2014. Measuring sheet erosion using synthetic color-contrast aggregates. Hydrological Processes, 28: 4463–4471. Doi.org/10.1002/hyp.9956. (Q2)
49) **Sadeghi, S.H.R.,** Najafi, S., Riyhi Bakhtiari, A.R. and Abdi, P., 2014. Ascribing soil erosion types for sediment yield using composite fingerprinting technique. Hydrological Science Journal, 59:9, 1753-1762. Doi.org/10.1080/02626667.2014.940955. (Q2)
50) Agherkakli, B.M., Najafi, A., **Sadeghi, S.H.R.** and Zenner, E., 2014. Mitigating effects of slash on soil disturbance in ground-based skidding operations, Scandinavian Journal of Forest Research, 29(4): 1-7. Doi.org/10.1080/02827581.2014.919351. (Q3)
51) Gholami, L., Banasik, K., **Sadeghi, S.H.R.,** Khaledi Darvishan, A.V. and Hejduk, L., 2014. Effectiveness of straw mulch on infiltration, splash erosion, runoff and sediment in laboratory conditions, Journal of Water and Land Development, 22(VII-IX); 51-60. Doi.org/10.2478/jwld-2014-0022. (Q2)
52) Solgi, A., Najafi, A. and **Sadeghi, S.H.R.**, 2014. Effects of traffic frequency and skid trail slope on surface runoff and sediment yield, International Journal of Forest Engineering, 25(2): 171-178. Doi.org/10.1080/14942119.2014.955699.
53) **Sadeghi, S.H.R.,** Gholami, L., Sharifi Moghadam, E. and Khaledi Darvishan, A.V., 2015. Scale effect on runoff and soil loss control using rice straw mulch under laboratory conditions, Solid Earth, 6:1-8. Doi.org/10.5194/se-6-1-2015. (Q2)
54) **Sadeghi, S.H.R.** and Hazbavi, Z., 2015. Trend analysis of the rainfall erosivity index at different time scales in Iran, Natural Hazards, 77: 383-404. Doi.org/10.1007/s11069-015-1607-z. (Q2)
55) **Sadeghi, S.H.R.** and Tavangar, Sh., 2015. Development of stational models for estimation of rainfall erosivity factor in different timescales, Natural Hazards, 77:429-443. Doi.org/10.1007/s11069-015-1608-y. (Q2)
56) **Sadeghi, S.H.R.,** Gholami, L., Homaee, M. and Khaledi Darvishan, A.V., 2015. Reducing sediment concentration and soil loss using organic and inorganic amendments at plot scale, Solid Earth, 6: 445–455. Doi.org/10.5194/se-6-445-2015. (Q2)
57) Khaledi Darvishan, A., Banasik, K., **Sadeghi, S.H.R.,** Gholami, L. and Hejduk, L., 2015. Effects of rain intensity and initial soil moisture on hydrological responses in laboratory conditions, International Agrophysics, 29: 165-173. Doi: 10.1515/intag-2015-0020. (Q2)
58) **Sadeghi, S.H.R.,** Mostafazadeh, R. and Sadoddin, A., 2015. Changeability of simulated hydrograph from a steep watershed resulted from applying Clark's IUH and different time–area histograms, Environmental Earth Sciences, 74: 3629-3643. Doi.org/10.1007/s12665-015-4426-3. (Q2)
59) **Sadeghi, S.H.R.** and Zakeri, M.A., 2015. Partitioning and analyzing temporal variability of wash and bed material loads in a forest watershed in Iran, Journal of Earth System Science, 124 (7):1503-1515. Doi.org/10.1007/s12040-015-0614-5.(Q3)
60) **Sadeghi, S.H.R.** and Kheirfam, H., 2015. Temporal variation of bed load to suspended load ratio in Kojour River, Iran. Clean, 43(10): 1357-1374. Doi.org/10.1002/clen.201400490. (Q3)
61) Mohammadi Golrang, B., **Sadeghi, S.H.R.** and Vahedi, A., 2015. Farmers' attitude toward the Soil conservation practices in the Kushk-Abad Catchment Basins in the Province of Khorasan Razavi, Iran, International Journal of Agricultural Science, Research and Technology in Extension and Education Systems, 5(2): 71-82.
62) **Sadeghi, S.H.R.,** Hazbavi, Z. and Kiani Harchegani, M., 2016. Controllability of runoff and soil loss from small plots treated by biochar produced from vinasse. Science of the Total Environment, 541: 483-490. Doi.org/10.1016/j.scitotenv.2015.09.068. (Q1)
63) **Sadeghi, S.H.R.,** Sharifi Moghadam, E. and Khaledi Darvishan, A.V., 2016. Effects of subsequent rainfall events on runoff and soil erosion components from small plots treated by vinasse, Catena, 138:1-12. Doi.org/10.1016/j.catena.2015.11.007. (Q1)
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b) Ph.D. Dissertations

1) **Vaezi, A.R., 2007**. Modeling of Spatial and Temporal Variations of Erodibility on Agricultural Soils Using Geostatistics. (Coadvised by Dr. H.A. Bahrami)
2) **Khaledi Darvishan, A., 2013.** Simulation of Runoff Generation and Soil Erosion Processes in Different Antecedent Soil Moisture Contents.
3) **Ebrahimi Mohammadi, Sh., 2013.** Spatial and Inter/Intra Storm Variations of Hydrograph, Suspended Sedimentgraph and Particulate Pollutograph in Main Flows to Zarivar Lake.
4) **Behzadfar, M., 2014.** Effectibility of Runoff and Sediment Yield from Soils Induced by Freezing and Melting Cycle from Amount and Application Time of Different Soil Amendments.
5) **Gholami. L., 2014.** Process Simulation of Soil Erosion Control by Applying Amendments in Different Rainfall Intensities.
6) **Mostafazadeh, R., 2014.** Effects of Different Management Scenarios of Landscape Metrics on Storm Runoff and Sediment Variations.
7) **Mohammadi, S., 2016.** Analysis of Infiltration, Runoff Generation and Sediment Yield Processes in Petroleum Contaminated Soils. (Coadvised by Professor M. Homaee)
8) **Saeidi, P., 2016.** Development and Application of Allometric Models of Hydrograph and Sediment Graph in Simulation of Temporal Variation of Storm Suspended Sediment.
9) **Kiani Harchegani, M., 2016.** Comparative Analysis of Effective Sediment Size Distribution during Erosion Process Evolution.
10) **Kheirfam, H., 2016.** Feasibility of Controlling Surface Runoff Generation and Soil Loss through Inoculation of Some Soil Microorganisms.
11) **Davudi Rad, A.A., 2017.** Adaptive Management based on Zero Net Land Degradation Approach in Shazand Watershed - Markazi Province.
12) **Najafi, S., 2017.** Structural and Functional Connectivity of Sediment Yield Process in Different Scenarios of Landscape Management in Taham-Chai Watershed, Zanjan Province, Iran
13) **Hazbavi, Z., 2018.** Customization of Watershed Health Dynamic Models.
14) **Yaghmaei, H., 2018.** Modeling Human Induced Land Degradation in Qomrood Watershed, Iran
15) **Adhami, M., 2018.** Watershed Hydrologic Response to Game Theory based Best CoManagement Practices
16) **Kazemi Kia, S., 2019.** Selection of Representative Watershed in Homogeneous Regions of Iran Based on Watershed Index and Multi Fractal Analysis
17) **Moradi Dasht Pagerdi, M., 2019.** Effectability of Simulation Precision of Watershed Hydrograph and Sedimentgraph from Changes in Raster and Vector Scales
18) **Mirchooli, F. 2020.** Watershed Sustainability Modeling
19) **Sharifi Moghaddam, E., 2020.** Conceptual Modeling of Soil-Water-Energy-Food Nexus in Adaptive Watershed Management
20) **Gharemahmudli, S., 2021.** Controllability of Surface Runoff and Soil Loss from Small Experimental Plots through Bacteria and Cyanobacteria Inoculation under Freezing-Thawing Processes (Coadvised by Prof. A. Najafinejad, Gorgan University of Agricultural Science and Natural Resources)
21) **Jafarpour, A., 2021.** Studying Behavior of Rill Erosion Process due to Inoculation of Soil Microorganism at Experimental Plots.
22) **Farzi, P., 2021.** Conceptual Modeling of Watershed Resilience Index.
23) **Ebrahimi Gatekesh, Z., 2022.** Application of Adaptive Management for the Watersheds.
24) **Katebi Kord, A., 2022.** Simulating Contribution of Isochrone Segments of Watershed in Sedimentgraph.
25) **Kalehhoee, M., 2023.** Variations of Components of Splash and Interrill Erosions under Concurrent Simulation of Rainfall and Wind.
26) **Mumzai, A., 2023.** Studying Behavior of Runoff Generation and Soil Loss in a Gasoil Contaminated Soil due to Inoculation of Soil Microorganism under Rainfall Simulation.
27) **Riyahi, M.R., 2024.** Conceptual Modeling of Watershed Governance and Sustainable Development Relationship.
28) **Poorfallah, S., 2025.** Effect of Application of the Water-Energy-Food Nexus on the Watershed Health.
29) **Zabihi Silabi, M., 2025.** Conceptual Modeling of Watershed Elasticity.

30) **Nasiri, Z., 2025.** Conceptual Modeling and Assessing Coupling Coordination Degree between Watershed Development and Ecosystem Services.
31) **Zaki, S.A., 2025.** Similarity Analysis of Soil Erosion and Suspended Sediment Yield Trends in Representative Watersheds of the Iranian Territory of the Caspian Sea Basin.
32) **Bahlakeh, M., 2025.** Conceptual Modeling of Watershed Viability.

c) Postdoctoral Fellow

1) Kiani Harchegani, M., 2019. Conceptualization and Application of Land Degradation Neutrality (LDN) in Watershed Management.
2) Gharemahmudli, S., 2025. Controllability of Soil and Water Loss in Saline Soils using Microorganisms.

XII) RESEARCH STUDENTS CO SUPERVISED:

a) M.Sc. Theses

1)Ghanbari, S. 1996. The Role of Vegetation Cover on Soil Conservation, Master Thesis, Tarbiat Modares University.
2)Sadatinezhad, S.J. 1997. Statistical Comparison of Different Methods for Data Generation of Precipitation in Isfahan Province, Master Thesis, Tarbiat Modares University.
3)Samadnejhad, A.,2002. Study on Main Factors Affecting on Formation of Gully Erosion: A case Study in Fars Province, Iran, Master Thesis, Tarbiat Modares University.
4)Saadati, H., Effect of Land Use on Simulating Daily Discharge Flow using SWAT Mathematical Model (Case Study: Kasilian Catchment Area), Master Thesis, Tarbiat Modares University.
5) Abdollahi, Kh., 2002. Runoff Modeling using IUGH, Iran, Master Thesis, Tarbiat Modares University.
6) Hasanlou, M.R.,2003. Study of Roles of Geomorphological Factors on Water Erosion in a Part of Zanjanroud Watershed.
7) Khedri Tazhan, B., 2004, Application of Fuzzy Logic in Prioritization of Watershed Management Measures in Azadbar Karaj Basin, Iran.
8) Sohaili, E., 2004, Study on Distribution and Causes of Tunnel Erosion in Southern Fars, Iran
9) Behzadfar, M. 2004. Study on Relationship between Precipitation Parameters and Erosivity Factor in Khuzestan Province, Iran.
10) Ghaderi, B., 2005. Comparison between Free Grazing and Planted Rangeland in View Point of Runoff and Sediment Generation (Case Study: Spring-Autumn Rangeland of Matash, Talesh).
11) Razavi, S.L., 2005. Role of Depth, Duration, Intensity and Temporal Distribution of Storm in Accuracy of Estimated Runoff with SCS Model.
12) Fazelpoor Aghdaei, M.R., 2005. Study on Land Use Change on Desertification of Ardakan City Area using Remote Sensing.
13) Izanloo, H., 2006. Temporal and Spatial Prioritization of Flood Occurrence in Kooshkabad Watershed in Khorasan Razavi Province using HEC-HMS.
14) Solgi, A., 2008. Evaluation of Forest Soil Disturbance Caused by Skidder HSM904
15) Talebi, Sh., 2008. Application of Landscape Ecology Concepts in Assessment of Land Use Change Effect on Flood Occurrence in Neka Watershed
16) Asadi, H., 2008. Evaluation of Different Methods for Time-Area Curve Development Resulted from Instantaneous Unit Hydrograph in Kassilian Watershed.
17) Agh Kakli, B.M., 2009. Effects of Harvesting Slashes on Soil Disturbance in Forest Skidding Trails.
18) Bakhshi Tiregani, M., 2010. Erodibility and Sediment Productivity in Rangeland and Agricultureal Land uses and Different Seasons using Rainfall Simulator.
19) Asadollahi, Z., 2011. Modeling Daily Sediment Variation in Kojur Forest Watershed.
20) Ahmadi, E., 2012. Effects of Soil Temperature and Moisture on Sediment Yield in Quaternary Formations of Shahr Kahneh Watershed, Ghochan.
21) Fakher Nikcheh, A. 2013. Evaluation and Comparison of Infiltration Models to Simulate Flood Hydrograph.
22) Homayoonfar, V., 2014. Comparison of Surface Runoff and Soil Loss from Field Plots with Disturbed and Undisturbed Soil
23) Karamizad, F., 2014. Spatial Variation of Runoff Generation using Geostatistics in Sarab Watershed, Ilam Province.

24) Zenali, V., 2017. Effect of Changes in Residential Areas on Dynamics of Storm Runoff Coefficient in the Amameh Watershed.
25) Khodamoradi, H., 2019. Spatial Changeability of Performance of Watershed Management Measures in Reducing Soil Erosion in Khamsan Representative Watershed using Cs-137 Method.
26) Mahmoodi, B., 2019. Analysis of Relationship between Sediment Delivery Ratio and Sediment Connectivity Index in Khamesan Representative Watershed.
27) Payfeshordeh, A., 2024. Effect of Combined Application of Sawdust and Polyvinyl Acetate in Controlling Surface Runoff and Soil Loss in Small Experimental Plots under Rainfall Simulation.

b) Ph.D. Dissertations

1) Mohammadi Golrang, B., 2015. Technical and Social Evaluation of Implemented Watershed Management Practices in the Kushk-Abad Watershed of Kardeh Dam Basin, Iran, Supervisor: Professor Sea Food Lai, UPM, Malaysia.
2) Abdolahi, Z., 2018. Spatial and Temporal Variation in Quality of the Suspended Sediment in a Reach of Zanjanrud River, Supervisor: Dr. A. Kavian, Sari University of Agricultural Science and Natural Resources, Sari, Iran.
3) Rostami Mang Halati, K., 2021. Efficiency of Check Dams in Sediment Control from Different Land-Uses in Some Watersheds of West of Iran, Kermanshah Province, Iran. Supervisor: Professor A. R. Vaezi, Zanjan University, Zanjan, Iran.
4) Nasiri Khiavi, A., 2023. Flood Management through Conjunct Use of Hydrological and Strategic Planning Models.
5) Ghavimi Panah, M.H., 2023. Evaluating Effect of Soil and Water Conservation Measures on Watershed Health of Kan Watershed, Supervisors: Drs. L. Gholami and Prof. A. Kavian, Sari University of Agricultural Science and Natural Resources, Sari, Iran.
6) Chamani, R., 2023. Effect of Hydrologic Services Changes Resulted from Effective Watershed Management Measures on Watershed Health, Supervisor: Prof. M. Vafakhah, Tariat Modares University, Iran.
7) Rajabi, M.R., 2024. Predicting the Effect of Hydro-Climatic and Land Use Dynamic Variables on Watershed Health Change.
8) Tavosi, M., 2025. Integrated Conceptualization of Water Security at Watershed Scale, Supervisor: Prof. M. Vafakhah, Tariat Modares University, Iran.

XIII) COURSES TAUGHT:

1)Soil Conservation	B.Sc.(10 Groups)
2)Flood Control	M.Sc.(10 Groups)
3)Small Dams	M.Sc.(14 Groups)
4)Integerated Management of Watersheds	M.Sc. (19 Groups)
5)Rangeland Hydrology	M.Sc.(6 Groups)
6)Advanced Soil Conservation	M.Sc.(6 Groups)
7)Soil Erosion and Sediment Models	M.Sc.(19 Groups)
8)Biologic Management of Soil Erosion	M.Sc.(5 Groups)
9)Advanced Forest Hydrology	Ph.D.(1 Group)
10)Advanced Soil and Water Conservation Engineering	Ph.D.(8 Groups)
11)Management of Watersheds	Ph.D.(6 Groups)
12)Simulation for Watershed Management	Ph.D.(10 Groups)
13)Bio-Engineering Ecology	Ph.D.(5 Groups)
14)Watershed Health and Sustainabiliy Evaluation	Ph.D.(6 Groups)

XIV) NAMES AND ADDRESSES OF SOME REFERENCES:

1) M. Mahdavi
Professor, Natural Resources Faculty of Tehran University, Karadj, Iran, E-mail: mahdavi@ut.ac.ir

2) D.E. Walling
Professor, School of Geography, University of Exeter, EXETER, UK, E-mail: D.E.Walling@exeter.ac.uk

3) J.K. Singh

Professor, Department of Soil and Water Conservation Engineering, College of Technology, G.B. Pant University of Agriculture and Technology, Uttranchal, India, E-mail: jksingh2002@rediffmail.com

4) **Takahisha Mizuyama**
Professor, SABO (Soil Erosion Lab), Kyoto University, Japan. E-mail: mizuyama@kais.kyoto-u.ac.jp

5) **Vijay P. Singh**
Professor, Department of Biological and Agricultural Engineering and Zachry Department of Civil Engineering, Texas A and M University, College Station, Texas, U.S.A., E-mail: vsingh@tamu.edu

6) **Michael Maerker**
Professor, Soil Erosion and Feedback Group, Landscape Functioning, Leibniz Centre for Agricultural Landscape Research (ZALF), Müncheberg, Germany E-mail: michael.maerker@unipv.it

XV) HOLDING AND PARTICIPATING IN WORKSHOPS

1) Workshop Convener of SWAT Model, Lorestan Uiversity Iran, 2012.
2) Workshop Convener of Permissible Erosion: Concepts, Rates and Estimation Methods, SCWMRI, Iran, Jan. 22, 2013.
3) Workshop Convener of Ecohydrology: A Necessary Tool for Proper Managmenet of Natural Resources, Malayer Uiversity Iran, 2015.
4) Workshop Convener of Unique Amendments for Soil and Water Conservation, EGU 2017, Vienna, Austria, Apr. 24, 2017.
5) Workshop Convenor for Standards and Challenges on Evalaution of Watershed Health and Sustainability in Iran in 13th National Conference on Watershed Management Sciences and Engineering of Iran and 3rd National Conference on Conservation of Natural Resources and Environment, Ardabil, Iran, 2018.
6) Attending International Workshop on Advanced Training Course on Integrated Watershed Management, IRTCES, Beijing, China, Jul. 27 to Aug. 3, 2009.
7) Attending National Workshop on Urban Watershed-Estimation of Floods in Urban Watershed by using SWMM Model, Esfahan, Iran, Apr. 27, 2011.
8) Attending and presenting a paper in United Nations/Pakistan International Workshop on "Integrated Use of Space Technologies for Food and Water Security", Islamabad, Pakistan, Mar. 11 to 15, 2013.
9) Attending Workshop on "Cultural Missions of Academic Staffs in Education Processes", Tarbiat Modares University, Iran, Jan. 10, 2012.
10) Attending and presenting a paper entitled "An Overview on Effectibility of Soil Erosion Process from Cliamte Change in Iran" in Workshop on "Gloabal Warming, Climate Change and Natural Resources", Tarbiat Modares University, Iran, Apr. 22, 2013.
11) Attending Workshop on "Study and Desiging of National Project on Integerated Watershed Management", Kalak Eduaction Institute of Professor Javanshir, Iran, Jan. 25 and 26, 2012.
12) Attending Workshop on "Study and Desiging of National Project on Integerated Watershed Management", Guilan University, Iran, Apr. 24 and 25, 2013.
13) Attending Workshop on "Study and Designing of National Project on Integrated Watershed Management", Shiraz University, Iran, Jun. 19 and 20, 2013.
14) Attending Workshop on "Study and Designing of National Project on Integrated Watershed Management", Sari University of Agricultural Science and Natural Resources, Jul. 8 and 9, 2013.
15) Attending National Workshop on Urban Watershed-Estimation of Floods in Urban Watershed by using SWMM Model, Esfahan, Iran, Apr. 27, 2011.
16) Attending Workshop on "Drought and Climate Change", Yazd University, Oct. 29, 2013.
17) Establishing Demonstration Stall for Suspended and bed load instruments at National Festival on Water, Soil and Environments Technologies, May 2015.
18) Attending Workshop on "Intrepreneurship", Tarbiat Modares University, Jan. 27, 2018.
19) Attending Workshop on "Integrated Management of the Watersheds", Soil Conservation and Watershed Management Research Institute, June 19, 2018.
20) Attending Brain Storming Virtual Workshop on "Combating Desertification and Drought for Food, Feed and Fiber", International Soil Conservation Organization (ISCO) and Soil Conservation Society of India, June 17, 2020.

21) Attending Practical Methods and Scheduling of Paired and Representative Watersheds of Iran, Soil Conservation and Watershed Management Research Institute, Iran, July 28, 2020.
22) Attending Workshop on "Rédaction de proposition dans le programme Jean Monnet", Tarbiat Modares University, December. 17, 2020.
23) Attending Workshop on "Monitoring the Representative and Paired Watersheds: Managerial Approaches and Future Studies", Water Management Research Center of University of Mohaghegh Ardabili & Scientific Committee of Range and Watershed Management, University of Mohaghegh Ardabili, December. 28, 2021.
24) Attending Workshop on "Using Hydrological Modelling to Support Water Resource Planning: Examples for Climate Change Adaptation", Water Management Research Center of University of Mohaghegh Ardabili, & Scientific Committee of Range and Watershed Management, University of Mohaghegh Ardabili, Jan. 21, 2021.
25) Attending Workshop on "Best-Worst Multi-Criteria Decision-Making", Tarbiat Modares University and Delft University, June 23, 2021.
26) Establishing workshop on "Automatic Device for River Suspended Sediment Measurement based on Optics and Optical Spectrum Technology", Ministry of Energy, Iran, December 22, 2021.
27) Holding International Workshop on "Assessing The Health and Sustainability of Wetland" Ramsar Convention, Iran, April 18 and 19, 2022.
28) Attending Workshop on challenges and countermeasures of reservoir sedimentation titled "Global Reservoir Sedimentation Risks and Governance Strategies" in the 28th ICOLD CONGRESS & 93rd Annual Meeting in Chengdu, China, May 17-22, 2025.
29) Holding International Workshop on "Feasibility of Soil and Water Conservation using Morph-Genetic Porous Carbon (Featuring Scientific Concepts and Practical Session)" Faculty of Natural Resources, Tarbiat Modares University, Iran, June 18, 2025.

XVI) RESPONSIBILITIES and MEMBERSHIPS

1) Member of many National Commissions
2) One of the establishers of Watershed Management Association in, 1996.
3) Representative of Watershed Management Association in Mazandaran Province since 2001.
4) Chief, Water Research Committee, Mazandaran Province, Iran, 2004-2005.
5) Secretary, 6th National Seminar on Watershed Management and 4th National Seminar on Soil Erosion and Sediment, Apr. 28–29, 2010, Noor, Iran
6) Member of Editorial Board, Quarterly Magazine of Environment, Jihad-e-Daneshgahi, Iran, 2004.
7) Editor-in-Chief, ECOPERSIA, Tarbiat Modares University (http://ecopersia.journals.modares.ac.ir/).
8) Consultant in Watershed Management Devision, Mahab-e-Ghods Co., Iran since 2007.
9) Member of Steering Committee of Soil Conservation and Watershed Management Research Institute of Iran since 2013.
10) Member of Editorial Board, Journal of Watershed Management Science and Engineering since 2006.
11) Member of Assessment Council (MSRT Representative), Sari Agricultural and Natural Resources University, Iran, 2020-2022.
12) Convener of Researches, Theses and Dissertations Division, National Festival on Water, Soil and Environments Technologies, May 2015.
13) Member of Steering Committee of Soil Conservation and Watershed Management Research Institute of Iran since 2013.
14) Member of High Commission on Agriculture, Water and Natural Resources, Ministry of Science, Researches and Technology of Iran since November 2019.
15) Selected Head of the Department, Faculty of Natural Resources and Marine Sciences, Tarbiat Modares University, 2002.
16) Selected Head of the Department, Faculty of Natural Resources and Marine Sciences, Tarbiat Modares University, 2006.
17) Head of the Department of Watershed Management Engineering, Tarbiat Modares University, May 2015-May 2019.
18) Member of Planning Committee of Natural Resources, Ministry of Science, Research and Technology of Iran since 2014.

19) Member of editorial board of Land Degradation and Development since June 2016.
20) Member of Chair Committee of Soil Conservation and Watershed Management Research Institute of Iran since 2017.
21) Member of Steering Committee of Soil Conservation and Watershed Management Research Institute of Iran since 2013.
22) Main Member of Society of Development of Water, Drought, Soil Erosion and Environment, Iranian Presidency Deputy of Development and Technology since 2011.
23) Committee Member of National and International Seminars
24) Member of Science Development Society of Iran since 2011.
25) Member of Editorial Board, Journal of Water and Soil Researches, since Jun. 23, 2008.
26) Member of Editorial Board, Journal of Soil and Water Science since 2009.
27) Member of Editorial Board, Journal of Water and Soil Knowledge since 2008.
28) Member of Editorial Board, International Journal of Natural Resources and Marine Sciences since 2010.
29) Chairman of the International Wing of the Soil Conservation Society of India since 2010.
30) Member of Assessment Council, Tarbiat Modares University, 2010-2014.
31) Chief of Natural Resources Committee of Assessment Council, Tarbiat Modares University, 2010-2014.
32) Member of Committee on Development and Technology of Water, Drought, Soil Erosion and Environment, Presidency Science and Technology Chapter since 2010.
33) Member of committee on Higher Education Planning in Mazandaran Province, 2010.
34) Member of Editorial Board, Australian Journal of Basic and Applied Science since Oct. 2013.
35) Member of Editorial Board, Journal of Agricultural Science and Technology, Tarbiat Modares University since Jul. 2014.
36) Associate Editor, International Soil and Water Conservation Research (ISWCR) since 2017.
37) Associate Editor, Land Degradation, and Development since 2018.
38) Chief of Natural Resources Committee of Assessment Council, Tarbiat Modares University, 2018-2022.
39) Member of Tarbiat Modares University Press Council since 2018.
40) Head of the Department of Watershed Management Engineering, Tarbiat Modares University from Oct. 2, 2018 to Nov. 11, 2020.
41) Superior Researcher at country level (Iran), 2018.
42) Superior innovator of "Design and Manufacturing of 1st Automatic Suspended Sediment Sampler of Iran" at Technology Development Council of Water, Drought, Erosion and Environment, Vice Presidency for Science and Technology of Iran, 2018.
43) Member of Permanent Commission of Soil Conservation and Watershed Management Institute, Iran, since 2012.
44) Member of Scientific Committee on Adaptation to Dry and Drought of Soil Conservation and Watershed Management Institute, Iran, since 2012.
45) Member of Assessment Council, Agricultural Research, Education and Extension, Iran since 2012.
46) Member of Editorial Board, Geographical Studies of Arid Zones, Sabzevar Tarbiat Moalem University since 2010.
47) Editor-in-Chief, ECOPERSIA, Tarbiat Modares University (http://ecopersia.journals.modares.ac.ir/) since 2011.
48) Manager in Charge, Iranian Journal of Ecohydrology since 2014.
49) Head of Planning and Expansion Committee of Natural Resources, Ministry of Science, Research and Technology of Iran from July 2019 to January 2023..
50) Distinguished Extension Awardee(DEA)in Soil and Water Conservation, 2019, WASWAC, New Delhi, India
51) Deputy President for WASWAC since Jan. 1, 2020
52) Manager in Charge, Journal of Degradation and Rehabilitation of Natural Land since March 2020
53) Project Manager, Internal Evaluation of Watershed Management Engineering Department financed by Evaluation and Education Organization of Iran
54) Developer of instant three dimensional small gravolometer, 2006.

55) Associate Editor, International Journal of Ecology and Development since Jul. 10, 2008.
56) World Association of Soil and Water Conservation (WASWC) Vice President for Iran since 2009.
57) Editor, World Association of Soil and Water Conservation (WASWC) Bulletin since 2010.
58) Consulting Professor in Cultural affairs at Tarbiat Modares University, 2012.
59) President of Iranian Society of Watershed Management Science and Engineering, 2012-2020.
60) Collaborating in Development of National Strategic Plan of Higher Education in Oceanography and Marine Science of Iran since 2013.
61) General secretary 3rd International Youth Forum of World Association of Soil and Water Conservation, Faculty of Natural Resources, Tarbiat Modares University, Iran, October 16-21, 2021.
62) Member of Editorial Committee, Bulletin of Soil and Water Conservation for 2021-2024.
63) Member of Editorial Board, Indian Journal of Soil Conservation since 2021.
64) Member of Scientific Committee of the 16th National Conference on Watershed Management Sciences and Engineering of Iran (Watershed Management & Sustainable Development), IRAN, Shiraz University, 2022.
65) Member of the Scientific Committee of the 5th National Conference on Soil Conservation and Watershed Management, SCWMRI, IRAN, April, 2022.
66) Member of Academy of Science of IR of Iran since July 2022.
67) Manager in Charge, Iranian Journal of Watershed Management Science and Engineering since 2022.
68) Member of Assessment Council, Tarbiat Modares University since 2022.
69) Chief of Natural Resources Committee of Assessment Council, Tarbiat Modares University since 2022.
70) Member of the Scientific Committee of 5th National Conference on Soil Conservation and Watershed Management, Tehran, Iran, May 17 and 18, 2022.
71) Member of the Research Proposal Evaluation Committee of the Mazandaran Provincial Management and Planning Organization (Secretariat of the Provincial Education, Research, Technology and Innovation Working Group), Iran, January 2, 2023.
72) Member of the Scientific Committee of 17th National Conference on Watershed Management Sciences and Engineering of Iran (Watershed Management & Sustainable Food Security), IRAN, Jiroft University, February 2023.
73) Member of the Scientific Committee of 2nd Asian Web Conference on "Managing Hill Resources and Diversities for Zero Hunger and Climate Resilience" New Delhi in collaboration with Central Agricultural University, Imphal, India, 12 and 13 February, 2021.
74) Member of the Scientific Committee of 6th National Conference on Soil Conservation and Watershed Management, Tehran, Iran, July 26 and 27, 2023.
75) Member of the Scientific Committee of 18th National Conference on Watershed Management Sciences and Engineering of Iran (Watershed Management & Rehabilitation and Restoration of Soil and Water Resources), IRAN, Kashan, 6 and 7, March 2024.
76) Member of the Scientific Committee of 5th International Conference on Water Resource, Environmental Protection & Sustainable Development (WRESD2024), Shanghai, China, December 6-8, 2024.
77) Member of the Scientific Committee of 13th National Conference Rainwater Catchment Systems, Gorgan, Iran, November 20-21, 2024.
78) Member of Assessment Council, Tarbiat Modares University, 2022-2024.
79) Chief of Natural Resources Committee of Assessment Council, Tarbiat Modares University, 2022-2024.
80) Member of Natural Resources Committee of Assessment Council, Tarbiat Modares University, Since 2024.
81) Member of the Scientific Committee of 19th National Conference on Watershed Management Sciences and Engineering of Iran (Watershed Management in Coastal Watershed), University of Hormozgan, IRAN, 12 and 13, February 2025.
82) Member of Assessment Council (MSRT Representative), Sari Agricultural and Natural Resources University, Iran, since 2025.

XVII) INVENTION, LABORATORY OPERATION and FAIRS

1) Establishment of Watershed Management Laboratory, Faculty of Natural Resources, Tarbiat Modares University, Noor, Iran.
2) Establisher of Ph.D. Program in Watershed Management Science and Engineering, 2007.
3) Design, construction and establishment of Hydrometry station at the main outlet of Tarbiat Modares University Educational and Research Forest Watershed, Iran, 2010.
4) Design and Construction of Large Rainfall and Soil Erosion Simulation Laboratory of Tarbiat Modares University in Cooperation with A.V. Khaledi Darvishan and L. Gholami, 2012.
5) Innovation of "Bed Load Sampler" with certificate No. of 302147 dated Jun. 11, 2014.
6) Innovation of "Produce Biochar for Soil Conservation from Wastes of Sugarcane Factories with Emphasized on Decreasing Environmental Pollution of Waste" with certificate No. of 87671 dated Jan. 6, 2016.
7) Participation in the exhibition of specialized achievements of Iran Water Resources Management Company and the specialized exhibition related to the 2021 Research and Technology Festival of the Ministry of Energy, Iran, 2021.
8) Innovation of "The process of soil conservation and runoff control using lignocellulosic nanofibers" with certificate No. of 108335 dated Dec. 3, 2022.

XVIII) AWARDS

1) Selected Paper in National Seminar on Policies and optimum Utilization of Lands, Iran, 1992.
2) Golden Medalist (1st Division) in Bachelor Degree having O.G.P. 18.49 out of 20.
3) Golden Medalist (1st Division) in Master Degree having O.G.P. 18.13 out of 20.
4) Representative of Foreign students at G.B. Pant University, India for three years.
5) Inclusion in Leading Educators in the World 2005, International Biographical Center, Britain, Coded LE/INV and dated Mar. 4, 2005.
6) Inclusion in Who's Who in Science and Engineering, United States of America, 2005-2006, Coded EB08D.
7) Selected Professor at Tarbiat Modares University in educational year 2004-2005 and 2008-2009.
8) Honoring with the "Leadership Award" from Soil Conservation Society of India during International Conference on Conservation Farming Systems and Watershed management in Rainfed Areas for Rural Employment and Poverty Eradication, New Delhi, India, Feb. 12-16, 2008
9) Gold Medalist-2014 from Soil Conservation Society of India during International Conference on Natural Resources Management for Food Security and Rural Livelihoods, India, New Delhi, 10-13 Feb. 2015.
10) Selected Professor at Tarbiat Modares University introduced for National Competition (Not decided), 2015.
11) Superior Researcher of Mazandaran Province, Iran, 2015.
12) Selected book (Soil and Water Conservation using Amendments) in Superior Contests held at 13th National Conference on Watershed Management Sciences and Engineering of Iran and 3rd National Conference on Conservation of Natural Resources and Environment, Ardabil, Iran, 2018.
13) Honoring with the author of selected book (2010) from Tarbiat Modares University.
14) Superior Researcher of Mazandaran Province, 2008.
15) Superior in Education for 2019 at Tarbiat Modares University
16) Superior Researcher at Tarbiat Modares University, 2006, 2009 and 2021.
17) Superior Researcher of Mazandaran Province, 2020.
18) Selected Associate Editor, Journal of Water and Soil Conservation, Gorgan University of Agricultural Science and Natural Resources, Iran, 2020.
19) Superior Professor at Tarbiat Modares University, 2021.
20) Author of Top Book of the Year 2021, 3rd National Book Contest in Agriculture and Natural Resources of Iran (Sadeghi et al., 2020. Watershed Health and Sustainability (Principles, Approaches and Assessment Methods), Tarbiat Modares University Press).
21) National top scientist in cooperation with society and industry in 2021, Ministry of Science, Research and Technology of Iran.
22) Distinguished Professor of Iran, 2021.

23) Scientist below 2%-2021, 2022, 2023, and 2024.
24) Superior Professor in publishing quality papers (Q1) in ISI journals, 2022.
25) Top 5% of Professors in punishing papers in ISI journals at Tarbiat Modares University, 2022.
26) Top 5% of Professors in publishing papers in ISI journals at Faculty of Natural Resources and Marine Sciences, Tarbiat Modares University, 2022.
27) Awarded the prestigious award University of Tehran, Iran, 2024.
28) Awarded the Iran's Scientific Leader award-Iran National Scientific Foundation, 2024.
29) Superior Professor in producing the largest number of papers and the most qualitative papers in top 10% of the WoS Journals List, Tarbiat Modares University, 2024.
30) Scientific Steward of the Soil in Iran, Commemoration of World Soil Day, Tehran, 2025.

XIX) KEYNOTE SPEAKER

1) Keynote speaker, New Approaches in natural Resources Management, National Conference on Advanced Research of Natural Recourses Management, Apr. 16, 2015, Malayer University Iran.
2) Key Speaker Speech on Watershed Management in 21st Century for Developing Countries in 13th National Conference on Watershed Management Sciences and Engineering of Iran and 3rd National Conference on Conservation of Natural Resources and Environment, Ardabil, Iran, 2018.
3) Key speaker for the Year Soil Day 2019 at Malayer University, Iran.
4) Key speaker for the Year Soil Day 2019 at Sari Agricultural and Natural Resources University, Iran.
5) Invited Speaker for National Research Week, Kurdistan University, Iran, Dec. 7, 2020.
6) Keynote Speaker, Virtual Global Summit on Degraded Land Management to Restore Our Earth, International Soil Conservation Organization (ISCO), Entitled: Integrity: A Must to Sustainably Restore the Degraded Globe, April 22, 2021.
7) Keynote Speaker, Adaptive Approach: A Need for the Smart Watershed Management in Developing Countries, 2nd International Web-Conference of ANRCM on Smart Agriculture for Resource Conservation and Ecological Stability, India, 29 and 31 October, 2021.
8) Keynote Speaker, Developed Barometer of Sustainability as a Tool of Monitoring Watershed Sustainability and Ecosystem Services, in 1st International Scientific Conference on Environments of Marshes and Surface Water, Thi-Qar University, Iraq, 17 and 18 November 2021.
9) Keynote Speaker, "Natural Resources Management in Drought and Economic Crises" on the occasion of Natural Resources Week, Razi University, March 7, 2022.
10) Invited Speaker (Sadeghi, S.H.R, Sharifi Moghani, M., Farzadfar, E., Tanha Ziarati, M. and Bahramifar, N.) "Soil Conservation using Molecular Sieve and Sulfur Refinery Wastes" in 1st International Seminar on Soil Conservation, Industry and Food Security, Siraf Port, Bushehr Province, Iran, December 5, 2022.
11) Invited Speaker (Sadeghi, S.H.R, Mumzaei, A., Zarei Darki, B., Homaee, M., Fallah, A.R. and Kheirfam, H. "Feasibility of using Soil Microorganisms in Soil and Water Conservation in Soils Contaminated with Petroleum" in 1st International Seminar on Soil Conservation, Industry and Food Security, Siraf Port, Bushehr Province, Iran, December 5, 2022.
12) Invited Speaker, "Necessity of the Watershed Health Assessment in Hydrology" in Online Young Scientist School MEGAPOLIS 2022, MSU–Lomonosov Moscow State University, Russia, WASWAC–World Association of Soil and Water Conservation and IAHS–International Association of Hydrological Sciences, December 1-6, 2022.
13) Keynote speaker, "Conservation Agriculture and Bio-Management" at the 23rd Research and Technology Week, Gorgan University of Agricultural Sciences and Natural Resources, December 18, 2022.
14) Keynote Speaker, Challenges and needs in watershed management in Iran, 17th National Conference on Watershed Management Sciences and Engineering of Iran, Iran, March 2023.
15) Keynote Speaker, "Current needs in Iran's Watershed Management" in 6th National Conference on Soil Conservation and Watershed Management, Tehran, Iran, July 26 and 27, 2023.
16) Keynote Speaker, "Soil-Water-Energy-Food Nexus for Soil Sustainable Management" in 18th Iranian Soil Congress, Agricultural Sciences and Natural Resources University of Khuzistan (Ramin), Mollasani, Iran, January 30- February 1, 2024.
17) Keynote Speaker, the 5th International Conference on Water Resource, Environmental Protection & Sustainable Development (WRESD2024), Shanghai, China, December 6-8, 2024.

18) Key speaker for the World Soil Day 2024 at Mazandaran Province Agricultural and Natural Resources Research Center, Iran.
19) Key speaker at the World Soil Day 2025 in commemoration of World Soil Day, Tehran.
20) Keynote speaker, in the 1st Iran Conference on Ecohydrology Engineering, College of Interdisciplinary Science and Technology, December 17, 2025, University of Tehran, Iran.

Professor Dr. Seyed Hamidreza Sadeghi
Last Updated: May 24, 2026