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Date of birth: 16 Sep 1979

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Address: Department of Water Engineering, College of Water and Soil Engineering Gorgan University of Agricultural Sciences and Natural Resources, 4918943464 Gorgan (Iran)

WORK EXPERIENCE

Head of Water Engineering Department

Gorgan University of Agricultural Sciences and Natural Resources [23 Aug 2020 – Current]

City: Gorgan

Country: Iran

Assistant Professor

Gorgan University of Agricultural Sciences and Natural Resources [21 Sep 2013 – Current]

City: Gorgan

Country: Iran

Visiting Scientist

Università degli Studi della Tuscia [8 Mar 2010 – 9 Mar 2011]

City: Viterbo

Country: Italy

EDUCATION AND TRAINING

Doctor of Philosophy (PhD)

Isfahan University of Technology [23 Sep 2006 – 21 Dec 2012]

Address: Water Engineering Department, College of Agriculture, Isfahan University of Technology, 8415683111 Isfahan (Iran)

<https://english.iut.ac.ir/>

Sabbatical leave as part of PhD

Università degli Studi della Tuscia [10 Mar 2010 – 9 Mar 2011]

Address: Via San Camillo de Lellis snc (loc. Riello), Building A- Viterbo Department of Agriculture and Forest Sciences (DAFNE), Università degli Studi della Tuscia, 01100 Viterbo (Italy)

<http://www.unitus.it/>

Master of Science (MSc)

Isfahan University of Technology [23 Sep 2003 – 22 Dec 2005]

Address: Water Engineering Department, College of Agriculture, Isfahan University of Technology,
8415683111 Isfahan (Iran)

<https://english.iut.ac.ir/>

Bachelor of Science (BSc)

Isfahan University of Technology [23 Sep 1998 – 22 Dec 2002]

Address: Water Engineering Department, College of Agriculture, Isfahan University of Technology,
8415683111 Isfahan (Iran)

<https://english.iut.ac.ir/>

LANGUAGE SKILLS

Mother tongue(s):

Farsi

Other language(s):

English

LISTENING C1 READING C2 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

DIGITAL SKILLS

Microsoft Word / Microsoft Excel / Microsoft Powerpoint / Photoshop / ICDL (International Computer Driving License) / MATLAB / Mathematica / SPSS / R Programming / SWAT / EasyFit / Copula / Multivariate Statistical Analysis

PUBLICATIONS

Examining the impact of rangeland condition on water conservation by using an integrated modelling approach

[2020]

<https://onlinelibrary.wiley.com/doi/abs/10.1002/ldr.3830>

Mojgansadat Azimi, Masoud Barzali, Mohammad Abdolhosseini, Abdolrahim Lotfi

Land Degradation and Development, Vol. 32, Issue 13, Pages 3711-3719

Application of Multivariate Approach in the Analysis of Hydrological Phenomena (Case Study: Flood in Boustan Dam Watershed of Golestan Province)

[2020]

<https://dx.doi.org/10.22055/jise.2018.23804.1698>

Zeynab Afsharypour, Abdolreza Bahremand, Mohammad Abdolhosseini

Journal of Irrigation Sciences and Engineering, Vol. 43, Issue 2, Pages 35-48 (in Persian)

Evaluation of cotton yield and yield components under different irrigation quantities and frequencies in transplanting delayed cotton cultivation

[2020]

http://idj.iaid.ir/article_103143.html?lang=en

Milad Khajeh Mozaffari, Mohammad Abdolhosseini, Ghorban Ghorbani Nasrabad, Mohammad Reza Farzaneh

Iranian Journal of Irrigation and Drainage, Vol. 13, Issue 6, Pages 1651-1660 (in Persian)

Evaluation of the effects of different water quantities and irrigation frequency on cotton yield and yield components in direct and transplanting methods

[2019]

http://idj.iaid.ir/article_100428_en.html?lang=en

Milad Khajeh Mozaffari, Mohammad Abdolhosseini, Ghorban Ghorbani Nasrabad, Mohammad Reza Farzaneh

Iranian Journal of Irrigation and Drainage, Vol. 13, Issue 5, Pages 1331-1341 (in Persian)

A Survey on Trading Program of Water Permits between Farmers in Downstream Lands of Voshmgir Dam in Iran

[2019]

<https://dx.doi.org/10.30490/aead.2019.91246>

Javad Shahraki, Parinaz Jansouz, Mohammad Abdolhosseini

Agricultural Economics and Development, Vol. 27, Issue 1, Pages 141-170 (in Persian)

Bivariate frequency analysis of rainfall intensity and depth using copula functions (Case study: Chehelchai Watershed, GorganRood, Golestan)

[2019]

<https://dx.doi.org/10.22125/iwe.2019.87386>

Zeynab Afsharypour, Abdolreza Bahremand, Mohammad Abdolhosseini

Journal of Irrigation and Water Engineering, Vol. 9, Issue 2, Pages 121-134 (in Persian)

Evaluation of Clark IUH in rainfall-runoff modelling (case study: Amameh Basin)

[2019]

<https://doi.org/10.1504/IJHST.2019.098131>

Khalil Ghorbani, Meysam Salarijazi, Mohammad Abdolhosseini, Saeid Eslamian, Iman Ahmadianfar

International Journal of Hydrology Science and Technology (IJHST), Vol. 9, No. 2

Evaluation of hydrological design of dam spillway using copula based bivariate return periods (Case study: Golestan 2 dam, Golestan Province)

[2018]

http://www.waterjournal.ir/article_74086.html?lang=en

Zeynab Afsharypour, Mohammad Abdolhosseini, Abdolreza Bahremand

Journal of Irrigation and Water Engineering, Vol. 8, Issue 3, Pages 78-93 (in Persian)

Comparison of water permits trading policy among cotton farmers in Golestan

[2018]

https://jcri.areeo.ac.ir/article_120852.html?lang=en

Parinaz Jansouz, Javad Shahraki, Mohammad Abdolhosseini

Iranian Journal of Cotton Researches, Vol. 5, Issue 2, Pages 15-32 (in Persian)

Frequency analysis of rainfall characteristics in R software platform

[2017]

<http://jircsa.ir/article-1-284-en.html>

Zeynab Afsharypour, Mohammad Abdolhosseini, Abdolreza Bahremand

Iranian Journal of Rainwater Catchment Systems, Vol. 5, Issue 3, Pages 63-77 (in Persian)

Is water trading policy an effective solution for water allocation in Voshmgir dam?

[2017]

<https://doi.org/10.2166/wp.2017.121>

Parinaz Jansouz, Javad Shahraki, Mohammad Abdolhosseini

Water Policy, Vol. 19, Issue 6, Pages 1119-1142

Estimation of surface runoff hydrograph in ungauged basin without land cover and land use data

[2017]

http://www.waterjournal.ir/article_74027.html?lang=en

Khalil Ghorbani, Meysam Salarijazi, Mohammad Abdolhosseini

Journal of Irrigation and Water Engineering, Vol. 7, Issue 2, Pages 46-61 (in Persian)

Assessment of minimum variance unbiased estimator and beta coefficient methods to improve the accuracy of sediment rating curve estimation

[2017]

<https://doi.org/10.1504/IJHST.2017.087925>

Khalil Ghorbani, Meysam Salarijazi, Mohammad Abdolhosseini, Saeid Eslamian

International Journal of Hydrology Science and Technology (IJHST), Vol. 7, No. 4

Book: Applied Training of ArcGIS 10, from Elementary to Advanced, with applied projects using Hydrology, Spatial Analyst, 3D Analyst

[2017]

Mohammad Reza Farzaneh, Iman Fazeli Farsani, Mohammad Abdolhosseini

ISBN: 978-600-449-954-5

(in Persian)

Effectiveness of Water Allocation Based On Water Permits Trading of Farmers under Uncertainty (Case Study: Abbas Abad Village, Voshmgir Dam)

[2016]

<https://dx.doi.org/10.22069/jwfst.2016.10733.2516>

Parinaz Jansouz, Javad Shahraki, Mohammad Abdolhosseini

Journal of Water and Soil Resources Conservation, Vol. 23, Issue 5, Pages 141-158 (in Persian)

Prediction of Daily Stream-flow Using Data Driven Models

[2016]

http://idj.iaid.ir/article_55402.html?lang=en

Meysam Salarijazi, Khalili Ghorbani, Elahe Sohrabian, Mohammad Abdolhosseini

Iranian Journal of Irrigation and Drainage, Vol. 10, Issue 4, Pages 479-488 (in Persian)

Multiway analysis applied to time-resolved chemiluminescence for simultaneous determination of paracetamol and codeine in pharmaceuticals

[2016]

<https://doi.org/10.1002/bio.3100>

Ali Mokhtari, Nastaran Jafari Delouei, Mohsen Keyvanfard, Mohammad Abdolhosseini

Luminescence, Vol. 31, Issue 6, Pages 1267-1276

Prediction of Climate Change Impact on Monthly River Discharge's Trend using IHACRES hydrological model (Case Study: Galikesh Watershed)

[2016]

https://wsrj.srbiau.ac.ir/article_9052.html?lang=en

Khalil Ghorbani, Elaheh Sohrabian, Meysam Salarijazi, Mohammad Abdolhosseini

Journal of Water and Soil Resources Conservation, Vol. 5, Issue 4, Pages 18-34 (in Persian)

Evaluation of quasi-maximum likelihood and smearing estimator to improve sediment rating curve estimation

[2016]

<https://doi.org/10.1504/IJHST.2016.079352>

Meysam Salarijazi, Mohammad Abdolhosseini, Khalil Ghorbani, Saeid Eslamian

International Journal of Hydrology Science and Technology (IJHST), Vol. 6, No. 4

Feasibility study of the Prediction of Annual Drought Based on Drought Conditions in the Spring Season

[2015]

http://idj.iaid.ir/article_55087.html?lang=en

Khalil Ghorbani, Meysam Salarijazi, Mohammad Abdolhosseini

Iranian Journal of Irrigation and Drainage, Vol. 9, Issue 2, Pages 636-645 (in Persian)

The Prediction of Heavy Precipitation Regarding the Impacts of 21th Century Climate Changes in selected stations Golestan Province

[2015]

<https://dorl.net/dor/20.1001.1.23222069.1394.22.3.9.5>

Behnaz Yazarloo, Mehdi Zakerinia, Mohammad Abdolhosseini

Journal of Water and Soil Conservation, Vol. 22, Issue 3, Pages 137-150 (in Persian)

Flood Frequency Analysis on the basis of extreme values theory (Case Study: Arazkuseh hydrometric station, Golestan)

[2015]

<https://dorl.net/dor/20.1001.1.23222069.1394.22.3.8.4>

Fatemeh Zahedianfar, Khalil Ghorbani, Mehdi Meftah Halaghi, Mohammad Abdolhosseini, AmirAhmad Dehgh

Journal of Water and Soil Conservation, Vol. 22, Issue 3, Pages 121-135 (in Persian)

Flood frequency analysis using Archimedean copula functions based on annual maximum series (Case study: Arazkuseh hydrometric station in Golestan province)

[2014]

http://idj.iaid.ir/article_54737.html?lang=en

Leila Rahimi, Amir Ahmad Dehghani, Mohammad Abdolhosseini, Khalil Ghorbani

Iranian Journal of Irrigation and Drainage, Vol. 8, Issue 2, Pages 353-365 (in Persian)

Comparative Analysis of Time Series Models for Total Flow, Base-Flow and Runoff (Case study: Chehelchai River, Gloestan Province)

[2014]

<https://dorl.net/dor/20.1001.1.23222069.1393.21.3.3.2>

Leila Rahimi, Amir Ahmad Dehghani, Khalil Ghorbani, Mohammad Abdolhosseini

Journal of Water and Soil Conservation, Vol. 21, Issue 2, Pages 55-77 (in Persian)

Testing copula regression against benchmark models for point and interval estimation of tree wood volume in beech stands

[2012]

<https://doi.org/10.1007/s10342-012-0600-2>

Francesco Serinaldi, Salvatore Grimaldi, Mohammad Abdolhosseini, Piermaria Corona, Dora Cimini

European Journal of Forest Research, Vol. 131, Pages 1313-1326

Effect of climate change on potential evapotranspiration: a case study on Gharehsoo sub-basin, Iran

[2012]

<https://doi.org/10.1504/IJHST.2012.052373>

Mohammad Abdolhosseini, Saeid Eslamian, Sayed-Farhad Mousavi

International Journal of Hydrology Science and Technology (IJHST), Vol. 2, No. 4

Application of L-moments for Estimation of Quantile Mixtures

[2010]

Hadi Hasanzadeh, Saeid Eslamian, Mohammad Abdolhosseini, Salvatore Grimaldi

International Workshop of Advances in Statistical Hydrology, STAHY, 23 May 2010 – 25 May 2010, Taormina, Italy

Hydraulic geometry relations for stable channel design

[2010]

[https://doi.org/10.1061/\(ASCE\)HE.1943-5584.0000260](https://doi.org/10.1061/(ASCE)HE.1943-5584.0000260)

Hossein Afzalimehr, Mohammad Abdolhosseini, Vijay P Singh

Journal of Hydrologic Engineering, Vol. 15, Issue 10, October 2010

Effect of nonuniformity of flow on hydraulic geometry relations

[2009]

[https://doi.org/10.1061/\(ASCE\)HE.1943-5584.0000095](https://doi.org/10.1061/(ASCE)HE.1943-5584.0000095)

Hossein Afzalimehr, Vijay P Singh, Mohammad Abdolhosseini

Journal of Hydrologic Engineering, Vol. 14, Issue 9, September 2009

PROJECTS

Pathology of barriers related to the formation of water users' organizations based on social demarcations in the Arak plain aquifer. 2020

Employer: Markazi Regional Water Company

Role: Co-Worker

Investigating the current situation of water resources and consumption in Toshan area of Gorgan. 2020

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Project Executive

Uncertainty analysis in estimating water and green water components (Case study of Zayandehrood dam catchment). 2019

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Project Executive

Field studies of ethnography and documentation of indigenous knowledge related to the historical water structures of Qeshm Island. 2018

Employer: General Office of Cultural Heritage, Handicrafts and Tourism of Qeshm Free Zone

Role: Co-Worker

Identification of historical water structures of Qeshm Island. 2018

Employer: Green Energy Designers Company

Role: Project Executive

Evaluation of SWAT model in estimating runoff from upstream basin of Haji Ghoshan hydrometric station. 2018

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Project Executive

Comparative evaluation of data-driven methods in predicting daily runoff. 2017

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Co-Worker

Prediction of evaporation from the pan using data-driven models. 2017

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Co-Worker

Investigation of statistical methods with more than one variable to estimate the return period of flood and its comparison with the traditional univariate methods. 2016

Employer: Golestan Regional Water Company

Role: Project Executive

Evaluation of the effect of climate change on the inlet of Zayandehrud dam reservoir. 2016

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Project Executive

Investigation and analysis of rainfall intensity and duration using coupling functions. 2016

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Co-Worker

Feasibility study of increasing the accuracy of MODIS sensor by simultaneously using Landsat satellite images in snow cover level monitoring. 2016

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Co-Worker

Estimation of sediment measurement curves using robust regression. 2015

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Co-Worker

Investigation of the effect of electrical conductivity of stabilized groundwater on the rate of evaporation from the soil surface. 2015

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Co-Worker

Analysis of meteorological drought affected by climate change in Gorgan. 2014

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Co-Worker

Estimation of Clark instantaneous hydrograph parameters. 2014

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Co-Worker

Flood risk analysis at the junction of two river tributaries. 2014

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Co-Worker

Application of SCS model in basins without soil cover data. 2013

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Co-Worker

Investigation of the effect of different salinities of groundwater caused by Caspian Sea water on the amount of salt ascent to the root zone. 2013

Employer: Gorgan University of Agricultural Sciences and Natural Resources

Role: Co-Worker

Comprehensive plan of risk and crisis management of Isfahan province, preparation of drought zoning map of Isfahan province. 2011

Employer: Isfahan University of Technology

Role: Co-Worker