

CURRICULUM VITAE

Details

Name: KUMARS EBRAHIMI

Date of birth: 23/08/1965

Nationality: Iranian

Teaching Discipline: Water & Environmental Engineering



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1. Education

- **Ph.D.**, Water Engineering, Water Resources Modelling, 2004, Cardiff School of Engineering, Cardiff University, UK.
Dissertation Title: “*Development of an Integrated Free Surface and Groundwater Flow Model*”.
- **M.Sc.**, Irrigation & Drainage Engineering, 1995, University of Tehran, IRAN.
Thesis Title: “*Comparison Between four Laboratory and Field Methods of Measuring Saturated Hydraulic Conductivity*”.
- **B.Sc.**, Irrigation & Drainage Engineering, 1989 Isfahan University of Technology, Isfahan-IRAN.

2. Research Interests

- Water Resources Modelling
- **Porous Media Flow Simulations**
- Physical Modelling
- Hydro-environmental Engineering

3. Current Teaching

Numerical Methods (BSc)
GIS\RS (BSc)
Soil & Water Conservation (BSc)
GIS (MSc)
Advanced Water Quality (MSc)
Seminar (MSc)
Assessment & Management of Water Quality Resources (PhD)
Water Resource Economics (MSc & PhD)

Seminar (PhD)

4. Other Teaching

Fluid Mechanics (BSc)
Hydraulics (BSc)
Pump and Pump Stations (BSc)
Engineering Economy (BSc)
Advanced Groundwater (MSc)
Design of Irrigation & Drainage Networks (MSc)

5. Selected Research Projects and Thesis,

- *Estimation of the longitudinal and transverse dispersion coefficients of sand sediments in saturated state involving laboratory and numerical techniques.*
- *Groundwater contamination assessment involving field sampling and GIS software, Case study: Assaluyeh Area, IRAN.*
- *Groundwater Vulnerability Assessment using GIS Based DRASTIC Model in Saveh-Nobaran Aquifer, IRAN.*
- *A study of oil contaminates (MTBE) transport to groundwater involving Physical Model and Laboratory Techniques.*
- *Conjunctive use of surface and groundwater involving qualitative, quantitative and economic criteria.*
- *Evaluation of climate variability and land use impacts on a phreatic and confined multilayer aquifer system.*
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- *Introduction and Assessment of a New Effluents Usage Method.*
- *Evaluation of Surface Water Quality Assessment Methods under Climate Variability.*
- *Annual Investigation of River Reaeration Rate Coefficient.*
- *Assessment of Taleghan River Self-purification capacity involving simulation.*
- *Investigation of effectiveness of the longitudinal dispersion coefficient, decay rate and reaeration on the river assimilative capacity Index.*
- *Investigation of seasonal self-purification variations of rivers.*
- *Environmental Rivers Flow Localization.*
- *Pasikhan & Dinachal rivers assimilative evaluation involving development of a mathematical model and filed data.*
- *Investigating adaption of the environmental river flow methods in two different areas of Iran.*
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- *Effects Evaluation of the Inter-basin Water Transfer on the Economic Value of Water Resources*
- *Evaluation of Agricultural water Usage, Involving Development of an Economic Water Valuation Model- case study: Ghazvin province*

- *A Study of the Local Scouring Due to Submerged Horizontal Hydraulic Jets involving a Laboratory Model and Artificial Neural Networks*

6. Selected Publications

A. Books

Ghiassi, R. and **Ebrahimi, K.**, (2012), "Water Flow and Pollution", Book of Abstracts, National conference, University of Tehran, 165 pp., Tehran, IRAN.

(for more details see: <http://can.ut.ac.ir/member/conference/ebrahimi/04%20EbrahimiK.pdf>)

Ebrahimi, K. and Falconer, R. A., (2015), "Development of an Integrated Free Surface and Groundwater Flow Model", LAMBERT Academic Publishing, 268 pp., Saarbrücken, Germany.

(for more details see: <http://can.ut.ac.ir/member/conference/ebrahimi/00%20EbrahimiK%20Book.pdf>)

B. Journals Papers

Modaresi, F., Araghinejad, S. and **Ebrahimi, K.**, "A Comparative Assessment of Artificial Neural Network, Generalized Regression Neural Network, Least-Square Support Vector Regression, and K-Nearest Neighbor Regression for Monthly Streamflow Forecasting in Linear and Nonlinear Conditions", (2018), *Water Resour Manage (2018) 32:243–258*, DOI 10.1007/s11269-017-1807-2.

Nazem, MR., **Ebrahimi, K.**, Liaght, AM. and Araghinejad S., "Estimation of the longitudinal and transverse dispersion coefficients of sand sediments in saturated state". (2018) *Sharif Journal of Civil Engineering. (In Press)*.

Ghahremani-Tabar, M., **Ebrahimi, K.**, Khalafi, H. and Mardani, Z., "MTBE Movement Monitoring in Porous Media Using a Laboratory Model". (2018) *Iranian Journal of Hydrogeology. (In Press)*.

Rahimi, M., **Ebrahimi, K.** and Araghinejad, S., "Introduction and Assessment of a New Effluents Usage Method". (2018) *Iranian Journal of Soil and Water Research. (In Press)*.

Moghimi-Nejad, S., **Ebrahimi, K.** and Kerachian, R. , "Investigation of seasonal self-purification variations of Karun river, Iran" , (2018) , *Amirkabir Journal of Civil Engineering*, Volume: , Issue:, DOI: 10.22060/ceej.2016.866. (In Press).

Moravej, M., Karimirad, I., and **Ebrahimi, K.**, "Spatio-temporal analysis of the Karun River water quality" (2018) *International Journal of Water, Vol. No.,(In Press)*.

Dezfooli, D., Abdollahi, B., Hosseini-Moghari, SM. and **Ebrahimi, K.**, "Comparing high-resolution satellite precipitation estimates with gauge measured data, Case study: Gorganrood basin, Iran" (2018) *Journal of Water Supply: Research and Technology – AQUA, (In Press)*.

Fattahpour, F., **Ebrahimi, K.**, and Bayat, S., "Determination of the Environmental Flow Requirements for the SefidRud River, IRAN", (2018) *Iranian, J. of ECO Hydrology. (In Press)*.

Mohammadi-Gheni, M., **Ebrahimi, K.** and Omid, M. H., "Estimation of the longitudinal dispersion coefficient using the dimensional analysis in surface water flows", (2017), *Iranian Journal of Soil and Water Research, Vol. 48, No. 4*.

Dezfooli, D. , Hosseini-Moghari, S. M. , **Ebrahimi, K.** and Araghinejad, Sh. , "Classification of water quality status based on minimum quality parameters: application of machine learning techniques"., (2017), *Modeling Earth Systems and Environment, https://doi.org/10.1007/s40808-017-0406-9*.

Azimi, V., Hassani, N., **Ebrahimi, K.** and Asgary, A., "The importance of annual peak outflow trend analysis in flood warning systems"., (2017), *Disaster Prevention and Management Knowledge, Vol.7, No. 1*.

Rashidi, B. , Araghinejad, Sh. and **Ebrahimi, K.**, "Improving runoff prediction using WAPABA model".,

(2017), *Iranian, J. of Soil and Water Research*, Vol.48, No. 1.

Hosseini-Moghari, S. M. , Araghinejad, Sh. and **Ebrahimi , K.**, "Assessment of Global Precipitation Dataset and their Application in Drought Monitoring- Case Study: Karkhe Basin, IRAN"., (2017), *Iranian Journal of Agricultural Meteorology*, Vol. 4, No. 2.

Moravej, M., Karimirad, I. and **Ebrahimi, K.**, "Evaluation of Karun River water quality status based on Water Quality Index and involving GIS environment" , (2017), *Iranian, J. of ECO Hydrology.*, Vol. 4, No. 1, pp.1-12.

Abdollahi, B., Hosseini-Moghari, S. M. and **Ebrahimi, K.**, "Assessment of Satellite Precipitation Data from TRMM 3B42RT V7 and CMORPH in Order to Estimate Precipitation in Gorganrood Basin-Iran" , (2017) , *Iranian, J. Iran-Watershed Management Science & Engineering.*, Vol. 11, No. 36.

Modarresi, F., Araghinejad, Sh., and **Ebrahimi, K.**, "Assessment of Ordered Weighted Averaging Strategies in Combination of Streamflow Forecasting Models Case study: Karkheh River", (2017) *Iran-Watershed Management Science & Engineering.*, Vol. 10, No. 35, pp.1-12.

Karimirad, I., **Ebrahimi, K.** and Araghinejad, Sh., "Investigation of Climate Variability Impacts on Multilayer Aquifers (Case Study: Gorgan Plain)", (2016) , *Iranian Journal of Water and Irrigation Management*. Vol. 5, No. 2, pp. 261-275.

SadatNoori , S. M. and **Ebrahimi, K.**, "Groundwater vulnerability assessment in agricultural areas using a modified DRASTIC model" , (2016) , *Environ Monit Assess* (2016) 188:19, pp.1-18. DOI 10.1007/s10661-015-4915-6

Nayebloei, F. , Kouchakzadeh, M., **Ebrahimi , K.**, Homae, M. and Abbasi, F. "Simulation of 2D Soil Moisture Distribution under Subsurface Drip Irrigation"., (2015), *Iranian, J. Soil and Water Research*. Vol.46, No.2.

Esmaeili, M. A., and **Ebrahimi , K.**, "Evaluation of the financial efficiency of farmers involving the economic value of water"., (2015), *Iranian Journal of Agricultural Economics and Development Research*.

Mohammadi Ghaleni, M., **Ebrahimi , K.**, and Omid, M. H., "Evaluation of Sefidroud River's Reaeration-Rate Coefficient"., (2015), *Iranian Journal of Watershed Management Science*.

Mohammadi Ghaleni, M., Ebrahimi , K., and Omid, M. H., "Determination of Longitudinal Dispersion Coefficient Involving Tracer Experiment Data"., (2015), *Iranian Journal of Soil and Water research*.

Mohammadi Ghaleni, M., **Ebrahimi, K.**, and Omid, M. H., "Estimation of Reaeration Rate Coefficient on Dinachal River Using Empirical Equations and Numerical Methods, in Water Quality Management", (2015), *Iranian Journal of Water and Irrigation Management*.

Hosseini-Moghari, S. M. , **Ebrahimi , K.**, and Azarnivand, A., "Groundwater quality assessment with respect to fuzzy water quality index (FWQI): an application of expert systems in environmental monitoring"., (2015), *Environ Earth Sci*. DOI, 10.1007/s12665-015-4703-1.

Saneie, M., **Ebrahimi , K.**, Alihoseini, P. and Mashal, M. "Experimental Study of Time Variations in Submerged Horizontal Jet Scour Profile"., (2015), *Iran-Watershed Management Science & Engineering Journal*.

Mohammadi Ghaleni, M., **Ebrahimi , K.** " Effects of human activities and climate variability on water resources in the Saveh plain, Iran" , (2015) , *Environ Monit Assess* 187:35 ,DOI 10.1007/s10661-014-4243-2.

Mohsenipour, M. , Shahid, Sh. and **Ebrahimi , K.**, " Nitrate Adsorption on Clay Kaolin: Batch Tests", (2015), *Journal of Chemistry*. , Vol.2015 , No.397069, pp. 1-7.

Karandish , F. , **Ebrahimi , K.** and Porhemmat , J. , " Considering the flood intensity of Karoun`s sub-basins and effective parameters on it in Lumped and semi-distributed management simulation of flood hydrograph",

(2013) , *Iranian Journal of Water and Irrigation Management*, Vol.3 , No.2pp 1-12.

Karandish , F., **Ebrahimi , K.** and Porhemmat , J. , " Calibrating and validating of snow factors in simulating the flood hydrograph of Karoon Basin ,Pol ShalooGauge" , (2014) , *Iranian J. WRJ*.

Dehban, H. , **Ebrahimi , K.** and Araghinejad , Sh. , " Introduction and Assessment of a New Drought Monitoring Index,MRDI - Case Study:Gorganroud Basin , Iran" , (2014) , *Iranian Journal of Soil and Water Research*.

Mohsenipour, M. , Shahid, Sh. and **Ebrahimi , K.**, " Removal Techniques of Nitrate from water " , (2014) , *Asian Journal of Chemistry*. , Vol.26 , No.23(2014) , pp. 7881-7886.

Mohsenipour , M. , Shahid , Sh. , **Ebrahimi , K.** and Alamgir , M. , " Efficiency of Different Organic Surface on Nitrate Adsorption in water " , (2014) , *Asian Journal of Chemistry*. , Vol.26 , No.23(2014) , pp. 7877-7880.

Chimeh , T. , **Ebrahimi , K.**, Hoorfar , A. H. and Araghinejad, Sh. , "Evaluation of Agricultural Water Valuation Based on Crop Type in Qazvin Plain, Iran" , (2014) , *Journal of Water Research in Agriculture*, Vol.(28) , pp. 171-181.

Ansari pour, A. H., **Ebrahimi, K.**, Omid, M. H., "A Mathematical Model for River Flow Assimilation: A Case Study of Pasikhan River , IRAN" , (2013), *Iranian Journal of Agricultural Engineering Research*, Vol. (14), pp.31-42

Sadat-Noori, S. M., **Ebrahimi, K.**, Liaghat, A. M., "Groundwater quality assessment using the Water Quality Index and GIS in Saveh-Nobaran aquifer, Iran" , (2013), *Environ Earth Sci*.

Modaresi, F., Araghinejad, Sh., **Ebrahimi, K.**, Kholghi, M., Assessment of Climate Change Effects on the Annual Water Yield of Rivers A Case Study of Gorganroud River, IRAN, (2012), *Iranian Journal of Water and Soil*, Vol. (25), p. 1365-1377.

Sadat Noori, S., Liaghat, A., **Ebrahimi, K.**, Prediction of Crop Production using Drought indices at Different Time Scales and climatic Factors to Manage Drought Risk ",(2012), *JAWRA Journal of the American water Resources Association*, Vol. (1), pp.1-9.

Jamali, B., **Ebrahimi, K.**, Time Series Forecasting of Sefidrood River Water Quality Using Linear Stochastic Models, (2011), *Journal of Agricultural Engineering Research*, Vol. (12), pp.31-44

Ebrahimi, K., Nayebloei, F., Relationship between Soil Final Infiltration Rate and the Physical / Chemical Characteristics, Case study: Ghezlagh Research farm- Tehran University, (2011), *Watershed Management Research (Pajouhesh & Sazandegi)*, Vol. (92), p.13-19.

Mohammadi Ghaleni, M., **Ebrahimi, K.**, AraghiNejad, Sh., Groundwater Quality and Quality Evaluation: A Case Study for Saveh and Arak Aquifers,(2010), *Iranian journal of Agricultural Science - University of Tabriz*, Vol. (21), pp.93-108 .

SadatNoori, S.M., **Ebrahimi, K.**, Liaghat, A.M., Hoorfar, A.M., Comparison of different geostatistical methods to estimate groundwater level at defferent climatic periods, (2010), *Water and Environment Journal*, Vol. (1747-6585), pp.1-10.

Karimi Hosseini, A., Bozorg Haddad, O., Hoorfar, A., **Ebrahimi, K.**, Rainfall Station Layouting Using Entropy, (2010), *Iran-Watershed Management Science & Engineering*, Vol. (4), p.1-12

Mohammadi Ghaleni, M., Bozorg Haddad, O.,**Ebrahimi, K.**, Parameter Estimation of the Nonlinear Muskingum Model Using Simulated Annealing, (2010), *Iranian Journal of Water and Soil*, Vol. (24), p.908-919

Modaresi, F., Araghinejad, Sh., **Ebrahimi, K.**, Kholghi, M., Regional Assessment of Climate Change Using Statistical Tests: Case Study of Gorganroud-Gharehsou Basin, (2010), *Iranian Journal of Water and Soil*, Vol.

(24), p.476-489.

Ebrahimi, K., NayebLoei, F., Estimation of basic infiltration rate using Artificial Neural Network - case study, Aburaihan Campus Farm, (2009), *journal of Water and Soil Conservation*, Vol. 16(1), pp.37-56.

Ebrahimi, N.G., Fathi-Moghaddam, M., Kashefipour, S.M., **Ebrahimi, K.**, Saneie, M., A Study of the Effect of Submerged Vegetation Cover on River Roughness Coefficient, (2008), *Agricultural Research*, Vol. (First.B), pp.79-87.

Glich Sabet, H., **Ebrahimi, K.**, New proposed method for environmental impact assessment of irrigation and drainage networks, (2008), *Iranian journal of Water and Environment*, Vol. (68), pp.9-12

Khalkhali, M., Monem, M.J., **Ebrahimi, K.**, Development of a Decision Support System to Evaluate and Improve the Performance of Irrigation and Drainage Networks, (2008), *Journal of Agricultural Engineering Research*, Vol. (9), pp.125-140.

Ebrahimi, N.G.H., KashefiPoor, S.M., FathiMoghadam, M., **Ebrahimi, K.**, Saneie, S.M., "Experimental Investigation of the effect of vegetation density on branch Manning roughness coefficient", (2008), *Watershed Science and Engineering*, Iran, Vol. (3), pp.42-37

Ebrahimi, N.G., Fathi-Moghadam, M., Kashefipour, S.M., Saneie, M., **Ebrahimi, K.**, Effects of Flow and Vegetation States on River Roughness Coefficients, (2007), *Journal of Applied Sciences*, no.2218, Vol. (9), pp.1-9

Ebrahimi, K., Falconer, R. A. and Lin, B "Flow and solute Fluxes in Integrated wetland and Coastal Systems", (2007), *Environmental Modelling & Software*, vol(22), p. 1337-1338.

Ebrahimi, K., (1999) "Standard Instruction of Measuring the Ks, Saturated Hydraulic Conductivity of Soils, Involving Guelph Permeameter Method", *Iranian Ministry of Energy*, 78/696/151, 29 pp., Tehran.

C. Conference Papers

"EVALUATION OF GROUNDWATER SUSTAINABILITY IN A MULTILAYER AQUIFER " , Karimirad, I., **Ebrahimi, K.** and Araghinejad, S. (2017) , 37th IAHR World Congress. Kuala Lumpur, Malaysia.

"EVALUATION OF SURFACE WATER QUALITY ASSESSMENT METHODS UNDER CLIMATE VARIABILITY " , Dezfooli, D. , **Ebrahimi, K.** and Araghinejad, S. (2017) , 37th IAHR World Congress. Kuala Lumpur, Malaysia.

"Impact of Land-use Change on a Multilayer Aquifer in South-Eastern Coast of Caspian Sea" , Karimirad, I. , **Ebrahimi, K.** and Araghinejad, Sh. (2017) , Proceeding of 10th WORLD CONGRESS ON WATER RESOURCES AND ENVIRONMENT "PANTA RHEI", Greece 2017.

Mohammadighaleni, M., **Ebrahimi, K.** and Omid M. H. "Evaluation of Sefidroud River's Reaeration-Rate Coefficient, Iran", ,36th IAHR World Congress. The Hague, the Netherlands. 2015.

Mohammadighaleni, M. **Ebrahimi, K.** and Omid M. H. "Effects of Reaeration Coefficient on River Water Dissolved Oxygen, Dinachal River, Iran", 36th IAHR World Congress. The Hague, the Netherlands. 2015

Dehban, H. , **Ebrahimi, K.** "Effects of Climate Variability on Surface Water Quality, Case Study: Gorganroud Basin, Iran".36th IAHR World Congress. The Hague, the Netherlands. 2015

Madadi, Y., **Ebrahimi, K.**, Shiri Ahmadabadi, M.E., "Clustering and Identification Water Samples Using Machine Learning Algorithms", 12th Iranian Hydraulics Conference, Karaj, Iran, 2013.

Ebrahimi, K., Khalafi, H., Ghahremani Tabaar, M., "A Laboratory Study of Oil Contaminant (MTBE) Transport in Soil", 35th IAHR World Congress, Chengdu, China 2013

Morovati, A., **Ebrahimi, K.**, "Groundwater Contamination Assessment Involving Field Sampling and GIS Software", 35th IAHR World Congress, Chengdu, China 2013

Sadat-Noori, S. S., **Ebrahimi, K.**, "Improvement of GIS Based DRASTIC Method to Assess Groundwater Vulnerability", 35th IAHR World Congress, Chengdu, China 2013

"Time series forecasting of river water quality involving linear stochastic models case study: Sefidroud River Iran", Jamali, B., **Ebrahimi, K.**, (2012), International Conference on Managing Rivers in the 21 Century, Malaysia, Kuala Lumpur.

SadatNoori, S.M., **Ebrahimi, K.**, "Groundwater Quality Assessment Using the Water Quality Index and GIS in Saveh-Nobaran Aquifer, Iran", (2012), National Conference on Water Flow and pollution, Iran, Tehran.(Selected conference papers)

Nazari, A., **Ebrahimi, K.**, "Estimation of environmental flow Pasikhan and Tireh Rivers IRAN", (2012), National Conference on Water Flow and pollution , Iran, Tehran.

"Statistical methods for assessing the quality of groundwater resources using zoning GMS7", Zare, M., **Ebrahimi, K.**, (2012), Second National Conference on Planning and Environmental Management, Iran, Tehran.

"Comparison of artificial neural networks and statistical approach to predict the level of ground water - A Case Study of Mashhad Aquifer", JamshidiAvanaki, M., **Ebrahimi, K.**, (2012), Second National Conference on Planning and Environmental Management, Iran, Tehran.

"FAO Agricultural Water Quality classification method used in combination with geographical information systems", AkbarPoor, M., **Ebrahimi, K.**, (2012), Second National Conference on Planning and Environmental Management, Iran, Tehran.

Jamali, B., **Ebrahimi, K.**, "ALL OCATING WATER BASED ON EC IN EXISTING AND MIDDLE TERM DEVELOPMENT CONDITIONS CASE STUDY: SEFIDROUD IRRIGATION NETWORK, IRAN, (2011), 21st International Congress on Irrigation and Drainage, Tehran, Iran

Mohammadi Ghaleni, m., **Ebrahimi, K.**, "ASSESSING IMPACT OF IRRIGATION AND DRAINAGE NETWORK ON SURFACE AND GROUNDWATER RESOURCES - CASE STUDY: SAVEH PLAIN, IRAN; (2011), 21st International Congress on Irrigation and Drainage, Tehran, Iran.

Omidi, F., **Ebrahimi, K.**, "THE ASSESSMENT OF IRRIGATION WATER USAGE CONSIDERING WATER PRODUCTIVITY INDICATORS, ECONOMIC VALUE OF WATER AND ECONOMIC EFFICIENCY - CASE STUDY: KERMAN PROVINCE, IRAN, (2011), 21st International Congress on Irrigation and Drainage, Tehran, Iran.

"Groundwater Vulnerability Assessment in Saveh-Nobaran Basin Iran", **Ebrahimi, K.**, Liaghat, A.M., SadatNoori, S.M., (2011) , The First International Conference on Dams and Hydropower, Iran, Tehran.

"comparison of Analytical Solution and Numerical methods in predicting One dimensional Transport Modelling", **Ebrahimi, K.**, Omid, M.H., AnsariPoor, A.H., (2011), Rivers 2011, Malaysia, Kuala Lumpur.

"Comparison of artificial neural networks and multiple regression to predict parameters in water quality case study: White River, Gilan", Jamali, B., AnsariPoor, A.H., **Ebrahimi, K.**, (2011), Th Iranian Hydraulic Conference, Iran, Rasht.

"Numerical simulation of dissolved oxygen in the river using a case study: river Psykhan", **Ebrahimi, K.**, AnsariPoor, A.H., Omid, M.H., (2011), Th Iranian Hydraulic Conference, Iran, Rasht.

Ebrahimi, K., KarAndish, F., PorHemmat, J., (2011), 5th International Conference on, Japan, Tokyo

"EVALUATING THE ACCURACY OF A RAINFALL-RUNOFF MODEL IN LUMPED AND",.

"Performance of direct search algorithm to estimate and optimize the nonlinear Muskingum model parameters", Ebrahimi, K., GhaleNey, M.M., (2011), Fifth National Conference on World Environment Day, Iran, Tehran.

"Predict changes in groundwater levels using artificial neural network - A Case Study Aquifer Khoy", **Ebrahimi, K.**, GhaleNey, M.M., (2011), Fifth National Conference on World Environment Day, Iran, Tehran.

"Comparison and evaluation of decision support systems in quality management principles to develop water resources and provide a proposed framework for ozone Salmon River", **Ebrahimi, K.**, Jamali, B., (2011), The second national conference on applied research in water resources in Iran, Iran, Zanjan.

"Determination of the structure - the spatial water balance - a case study of aquifer Khoy", **Ebrahimi, K.**, GhaleNey, M.M., (2011), The second national conference on applied research in water resources in Iran, Iran, Zanjan.

"Effect of drought on ground water level fluctuations using standardized precipitation index - A Case Study of Aquifer Saveh", **Ebrahimi, K.**, GhaleNey, M.M., AraghiNezhad, SH., (2011), Fourth Conference on Water Resources Management in Iran, Iran, Tehran.

"Effectiveness of the quality and quantity of groundwater resources, surface water resources - a case study Aquifer Saveh", **Ebrahimi, K.**, GhaleNey, M.M., AraghiNezhad, SH., (2011), Fourth Conference on Water Resources Management in Iran, Iran, Tehran.

Ebrahimi, K., OMID, M.H., ANSARIPOUR, A.H., "Comparison of analytical solution and numerical methods in predicting one-dimensional transport modelling", (2011), 3rd International Conference on Managing Rivers in the 21st Century: Sustainable Solutions for Global Crisis of Flooding, pollution and Water Scarcity , Iran, Tehran.

"River water quality time series forecasting using linear models a randomized study: Sefidrood", **Ebrahimi, K.**, Jamali, B., AraghiNezhad, SH., (2011), Fourth Conference on Water Resources Management in Iran, Iran, Tehran.

"Comparing the economic value of agricultural water prices and water provided Qazvin plain", **Ebrahimi, K.**, Chime, T., (2011), Fourth Conference on Water Resources Management in Iran, Iran, Tehran.

"Estimation of groundwater level fluctuations using geostatistical methods - Case Study: University of aquifer", **Ebrahimi, K.**, GhaleNey, M.M., AraghiNezhad, SH., (2010), Third National Conference on Irrigation and Drainage network management, Iran, Ahvaz.

"Simulation of snow and rain runoff using HEC-HMS case study: Karun Basin - the bridge output Shalev", **Ebrahimi, K.**, KarAndish, F., Shahnazari, A., (2010), The first national conference on coastal water resources management, Iran, Sari.

"Capability of HEC-Geo HMS Program in Estimating basin physiographic characteristics of case study: Karun bridge output Shalev", **Ebrahimi, K.**, KarAndish, F., Shahnazari, A., Porhemmat, J., (2010), The first national conference on coastal water resources management, Iran, Sari.

"Reuse of wastewater in agriculture as a source of reliable and significant", Karandish, F., Shahnazari, A., **Ebrahimi, K.**, (2010), The first national conference on coastal water resources management, Iran, Sari.

"Tension of groundwater aquifers using GIS (Case Study of Tabriz and Qazvin plains mentioned)", **Ebrahimi, K.**, SadatNoori, S.M., (2010), The first national conference on coastal water resources management, Iran, Sari.

"The study of oil pollution (MTBE in porous media using a physical model and mathematical", **Ebrahimi, K.**, GhahramaniTabar, M., Kholghi, H., (2010), The Iranian Hydraulic Conference, Iran, Tehran.

"Temporal and spatial variation of groundwater aquifers - a case study of aquifer Saveh", **Ebrahimi, K.**, GhaleNey, M.M., AraghiNezhad, SH., (2010), Fourth Conference on Environmental Engineering, Iran, Tehran.

"Quality parameters of ground water aquifers - a case study of aquifer Arak", **Ebrahimi, K.**, GhaleNey, M.M., AraghiNezhad, SH., (2010), Fourth Conference on Environmental Engineering, Iran, Tehran.

"LOCAL SCOUR SIMULATION INVOLVING ARTIFICIAL", **Ebrahimi, K.**, NayebLooei, F., Sanei, S.M., (2010), 9th International Conference on Hydroinformatics, China, Tyyanjyn.

"A LABORATORY STUDY OF THE LOCAL SCOURING DUE TO", **Ebrahimi, K.**, Sanei, S.M., AliHosseini, P., (2010), 9th International Conference on Hydroinformatics, China, Tyyanjyn.

"Spatial analysis of groundwater level changes using geostatistical methods (case study Aquifer Saveh)", **Ebrahimi, K.**, GhaleNey, M.M., AraghiNezhad, SH., (2010), Fourth National Conference on World Environment Day, Iran, Tehran.

"Application of entropy measures to compare data and kriging error variance in site selection for new stations measuring rainfall in GIS-A case study: basin swamp Gavkhouni", BozorgHaddad, O., KarimiHosseini, A., Hoorfar, A.H., **Ebrahimi, K.**, Ghorbani, KH., (2010), The first National Conference on Geomatics in Natural Resources and Environment, Iran, Tehran.

"Comparison of integrated and distributed simulation of flood behavior in the catchment basin Karoon Bridge station Shalev", **Ebrahimi, K.**, Karandish, F., Porhemmat, J., (2010), The first national conference on applied research in water resources in Iran, Iran, Kermanshah.

"Classification of homogeneous precipitation estimate maps Barvshhay land bridge output statistics Karun Basin Shalev", **Ebrahimi, K.**, Karandish, F., Porhemmat, J., (2010), The first national conference on applied research in water resources in Iran, Iran, Kermanshah.

"Muskingum model parameter optimization algorithm using simulated rolling", GhaleNey, M.M., BozorgHaddad, O., **Ebrahimi, K.**, (2010), The first national conference on applied research in water resources in Iran. Iran, Kermanshah.

"Evaluate methods to reduce errors Muskingum equation", **Ebrahimi, K.**, GhaleNey, M.M., (2010), The first national conference on applied research in water resources in Iran, Iran, Kermanshah.

"Introduced and compared ranking methods for water quality", SadatNoori, S.M., Shokri, A., **Ebrahimi, K.**, (2010), The first national conference on applied research in water resources in Iran, Iran, Kermanshah.

"Determining appropriate locations for coastal protection against flooding using GIS", Azizian, A., Abbasi, Y., **Ebrahimi, K.**, Noormohammadi, S., (2010), Sixth National Conference on Science and Engineering, Fourth National Conference on Watershed Management and Erosion and Sediment, Iran, Noor.

Numerical Modelling of Tidal Aquifers, **Ebrahimi, K.**, R. A. Falconer , B. Lin,

"Optimal design of networks of rain stations measured by different objectives using entropy", BozorgHadad, O., KarimiHosseini, A., Hoorfar, A.H., **Ebrahimi, K.**, (2009) ,National Conference on Agricultural Mechanization Sciences, soil water and plant, Iran, Dezful.

"Automatic operation of irrigation systems outdoor network", **Ebrahimi, K.**, NayebLooei, F., (2009), Twelfth Conference of the National Committee on Irrigation and Drainage Iran, Iran, Tehran.

"Manning roughness coefficient of relationship between depth and flow rate affected the relative density

Vegetation", Ebrahimi, N.GH., FathiMoghadam, M., KashefiPoor, S.M., **Ebrahimi, K.**, Sanei, S.M., DavoodiRad, A.A., (2009), Eighth International Seminar on River Engineering, Iran, Ahvaz.

"Temporal and spatial analysis of groundwater quality (Case Study: Qazvin plain)", Mohammadi, M., GhaleNey, M.M., **Ebrahimi, K.**, (2009), Second International Symposium on Environmental Engineering, Iran, Tehran.

"Numerical Modelling of Tidal Aquifers", **Ebrahimi, K.**, Roger A.Falconer., Binliang Lin., (2009), Second International Symposium on Environmental Engineering, Iran, Tehran.

Omidi, F., **Ebrahimi, K.**, Mohamadi, K., "THE COMPARISON OF WATER ECONOMIC EVALUATION METHODS BASED ON ECONOMIC EFFICIENCY - CASE STUDY: KERMAN PROVINCE", (2009), 2nd international conference on Water, Eco-systems and sustainable development in arid and semi-arid zones, Iran, Tehran-Yazd.

Morid Nejad, M., **Ebrahimi, K.**, BaniHabib, M.E., "A STUDY OF TRACING CONTAMINANT THROUGH THE SURFACE WATER INVOLVING PHYSICAL AND NUMERICAL MODELS", (2009), 2nd international conference on Water, Eco-systems and sustainable development in arid and semi-arid zones, Iran, Tehran-Yazd.

"Development of an Integrated Free Surface and Groundwater Flow Model", **Ebrahimi, K.**, Roger A.Falconer., Lin, B., (2008), The First International Conference of Water Crisis, Iran, Zabol.

"Biological effects of drainage water and salt balance", Mashal, M., **Ebrahimi, K.**, (2008), Second National Conference on Irrigation and Drainage network management, Iran, Ahvaz.

"Biological effects of drainage water and salt balance", Liaghat, H., Mashal, M., **Ebrahimi, K.**, (2008), Second National Conference on Irrigation and Drainage network management, Iran, Ahvaz.

"Evaluation of artificial neural network models to predict the permeability of the final case study of soils - Soils Research Farm Aboureyhan", **Ebrahimi, K.**, NayebLooei, F., (2008), Second National Conference on Irrigation and Drainage network management, Iran, Ahvaz.

"And its dependence on soil chemical and physical characteristics of the case study farm Aboureyhan", **Ebrahimi, K.**, NayebLooei, F., (2008), Second National Conference on Irrigation and Drainage network management, Iran, Ahvaz.

"Calculation of hydraulic losses in drip irrigation laterals", Shafahi, SH., **Ebrahimi, K.**, Zarei, GH., BaniHabib, M.E., (2008), Seventh Iranian Hydraulic Conference, Iran, Tehran.

"Temporal variation of scour profiles downstream of submerged horizontal jets using laboratory model", AliHosseini, P., **Ebrahimi, K.**, Sanei, M., Mashal, M., (2008), Seventh Iranian Hydraulic Conference, Iran, Tehran.

"Calculation of hydraulic losses in drip irrigation lateral", **Ebrahimi, K.**, Zarei, GH., BaniHabib, M.E., (2008), Seventh Iranian Hydraulic Conference, Iran, Tehran.

"The importance of oil pollution caused by MTBE and studied in Iran and the world", **Ebrahimi, K.**, Kholghi, H., (2008), Seventh Iranian Hydraulic Conference, Iran, Tehran.

"Temporal variation of scour profiles downstream of submerged horizontal jets using laboratory model", **Ebrahimi, K.**, Sanei, M., Mashal, M., (2008), Seventh Iranian Hydraulic Conference, Iran, Tehran.

"Evaluation of artificial neural network models in predicting depth of horizontal submerged jet efficiency", **Ebrahimi, K.**, Sanei, M., NayebLooei, F., AliHosseini, P., (2008), Seventh Iranian Hydraulic Conference, Iran, Tehran.

"Geometric similarity of profiles using an experimental model of submerged horizontal jet scour downstream", **Ebrahimi, K.**, Sanei, M., AliHosseini, P., (2008), Third Iranian Conference on Water Resources, Iran, Tabriz.

"Introduced and compared three methods of calculating the economic value Bmtalh Kerman Province", **Ebrahimi, K.**, Mohammadi, K., (2008), Third Iranian Conference on Water Resources, Iran, Tabriz.

"The effect of biological drainage on salt-water balance and environmental", Liaghat, H., Mashal, M., **Ebrahimi, K.**, (2008), Second National Conference on World Environment Day, Iran, Tehran.

"Modeling of water flow in soils using X-rays with Nvtrvnbgrdan", **Ebrahimi, K.**, Karimi, B., (2008), Tehran University - Faculty of Environment, Iran, Tehran.

"ARC-GIS application in simulation of flow and pollution in porous media", **Ebrahimi, K.**, Darvishi, E., (2008), Second National Conference on World Environment Day, Iran, Tehran.

"Calibration parameters in the estimation of snowmelt flood hydrographs - Karun Basin Bridge Shalev", **Ebrahimi, K.**, Porhemmat, J., (2008), Second National Conference of dams and hydroelectric plants, Iran, Tehran.

"Tsyv vegetation density branch of river flow shear rate", Ebrahimi, N.G.H., KashefiPoor, M., FathiMoghadam, M., Sanei, S.M., **Ebrahimi, K.**, (2008), Fourth National Congress on Civil Engineering, Iran, Tehran.

"Effect of bed vegetation array on river shear velocity , International Conference on Erosion and Torrent Control as a Factor in Sustainable River Basin Management", Fathi-Moghaddamb, M., Ebrahimi, N.G., **Ebrahimi, K.**, Kashefipoure, S.M., Saneied, M., (2008), International Conference on Erosion and Torrent Control as a Factor in Sustainable River Basin Management, Belgrade

"Introduced and the necessity of economic efficiency with conventional irrigation efficiency", **Ebrahimi, K.**, Mohammadi, K., Omidi, F., (2007), Scientific seminar on national plans and sustainable irrigation, Iran, Karaj.

"The necessity of boundary conditions in numerical models of infection", MoridNezhad, M., BaniHabib, M.A., **Ebrahimi, K.**, (2007), His fourth National Science and Engineering Watershed - Watershed Management, Iran, Karaj.

"The necessity of boundary conditions in numerical models of infection", MoridNezhad, M., BaniHabib, M.A., **Ebrahimi, K.**, (2007), Fourth National Conference on Watershed Management Science and Engineering, Iran, Iran, Karaj.

"The new method is proposed to evaluate the environmental impacts of irrigation and drainage networks", **Ebrahimi, K.**, GolageSabet., (2007), Ninth Seminar of irrigation and evaporation, Iran, Kerman.

"Investigate the effect of hydrodynamic parameters - Management of aquifers on the accuracy of the simulations based on sensitivity analysis - A case study (West Lake Mighan)", **Ebrahimi, K.**, GolageSabet, H., ZahraeiKooleParche, A., (2007), Ninth Seminar of irrigation and evaporation, Iran, Kerman.

"Effect of water density on the rate of uplift and discharge pumping of saline water in wells - Case Study (desert lands Mighan - Central Province)", **Ebrahimi, K.**, GolageSabet, H., (2007), Ninth Seminar of irrigation and evaporation, Iran, Kerman.

"Density of grass vegetation on river flow shear rate", **Ebrahimi, K.**, (2007), The third national conference on watershed management and soil and water resources management, Iran, Kerman.

"The effect on groundwater quality, land use change through GIS", **Ebrahimi, K.**, Mohammadi, F., (2007),

The second national conference on ecological agriculture in Iran. Iran, Gorgan.

"Experimental Investigation of the density of vegetation on Manning roughness coefficient in rivers", Ebrahimi, N.G.H., FathiMoghadam, M., KashefiPoor, S.M., **Ebrahimi, K.**, (2007), Sixth Iranian Hydraulic Conference, Iran, ShahreKord.

"Decision support modeling and performance evaluation of irrigation and drainage networks", Khalkhali, M., Monem, M.J., **Ebrahimi, K.**, (2006), Technical workshop on management of operation and maintenance of irrigation and drainage networks, Iran, Tehran.

Development of a Decision Support Model for Evaluation and Improvement of Performance of Irrigation and Drainage Networks, Khalkhali, M., Monem, M. J., and **Ebrahimi, K.**,

"Hydraulic properties of flow on spillway model Tvrysngy Stairclimbers", Ebrahimi, N.G.H., KashefiPoor, S.M.,**Ebrahimi, K.**, (2005), Iranian Hydraulic Conference, Iran, Kerman.

A study of the Flow Hydraulic Characteristics over Gabion Weirs Involving Physical Model", Ebrahimi, N. G., KashefiPoure, S. M., and **Ebrahimi, K.**, (2005), "In: 'Proceedings of The 5th Iranian Hydraulic Conference' pp.1173-1181, 8-10 November 2005, Shahid Bahonar University of Kerman– IRAN.

"A Combined Groundwater/Surface Flow and Contaminant Transport Model",**Ebrahimi, K.**, Falconer, R. A. and Lin, B., (2003), Proceeding of 10th Iranian Researchers in Europe, Glasgow, U.K.

"Environmental Aspects of Polluted Wetland Area Neighbouring Coastal Waters", **Ebrahimi, K.**, Lin, B., Falconer, R.A., (2001), 9th Iranian Students Seminar in Europe, Birmingham

7. Consultancy Experiences

(Including: planing, designing and project management of Water Resources, Irrigation and Drainage Projects)

Senior project engineer of feasibility studies and designing of fish farming project ,12000 ha of low lands on the coast of Karron River, Khuzestan province, which included pumping station (35 cms),conveyance and distribution canals,450 secondary pump stations, fish ponds and drainage pump stations, [1994-1995 & 1996-2000], ***Pandam Consulting Engineers***, Tehran, Iran.

Senior project engineer of designing the 1st & 2nd order Sub-Drainage System, (World's Bank project), 5000ha, [1995-1996], Behbahan, Iran. ***Pandam Consulting Engineers***, Tehran, Iran.

Senior project manager for water supplying for two rural towns, (depth well pumping systems), Iran-Central province [1995].

Project manager for designing and performance controlling of a number of canals and different types of dams, Iran-central province, [1989-1991].

8. Memberships:

Iranian National Committee on Irrigation & Drainage (IRNCID).

International Association of Hydraulic Engineering and Research Student Chapter (***IARH***) 2001-2004, UK.