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Personal profile:

Full name: **Karim Ghorbani**

Nationality: **Iranian**

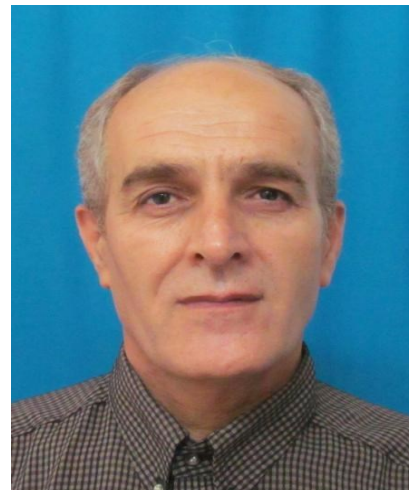
Age: **58 years**

Current Address: **Tehran, Iran.**

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Telegram, WhatsApp, LinkedIn



Academic qualification (education)

Degree	Major	University	Location (Country)	Year
PhD.Eng	Water and Soil Engineering	UPM	Malaysia	2016
M.Eng.sc.	Water resources management	Chamran university	Iran	2002
B.Eng	Soil Science- agriculture Engineering	Tabriz university	Iran	1991

working experiences & administrative work

position	Start	End
Head Equipping and Renovating Agricultural Lands division	2021	continue
Representative of the Water and Soil deputy in FAO on the subject of saline soil management. focal point	2020	continue
Representative of the deputy water and soil in environmental affairs	2020	continue
Supervisor of research projects related to technical and engineering institute	2018	continue
Member of the Technical Committee of Water and Soil Deputy	2018	continue
Expert in charge of drainage and pond renovation projects	2017	2019
Advisor to the head of the Agricultural Organization in Qazvin province	2016	2017
Head of Environmental Office in Qazvin Province Agricultural Organization	2016	2017
Deputy Director of Water and Soil Management in Organization of Agricultural ,Qazvin	2008	2011
Deputy official of the General Administration of Natural Resources and Watershed in Qazvin	2005	2008
Deputy Director of Watershed Administration , Natural Resources Department, Qazvin Province	2005	2008
Watershed Director of Agriculture Organization	2003	2005

Head of Studies and Design office	1996	2003
Head of the Geographic Information and Evaluation division	1994	1996
Expert in water and soil design studies	1992	1994
Member of the technical committee for preparing the comprehensive plan of Qazvin province	2001	2003
Member of the technical and commercial committee of water and soil projects	2011	2011
Member of the organization's tenders complaints handling board	2008	2011
Member of the committee for reviewing and approving the tender documents of the Agricultural Organization	2009	2011
Member of the Technical Committee in Natural Resources organization , Qazvin	2006	2008
Member of Administrative Transformation Commission, Qazvin Province	2006	2007
Member of the Supervisory Board on the Law of Land Protection and exploitation	1998	2007
Member of the fifth development planning committee	2008	2008
Member of the provincial planning committee	1998	1998
Member of the Commission for Issuing Permits and the Commission for the Regulation of Optimal Use of Agricultural Water	2016	2019

Teaching works

Titles	year	D-hours	numbers
Underground drainage system	2022	16	1
Underground drainage in paddy fields	2022	16	1
Integrated water and soil management	2022	8	1
Underground drainage construction system based on mathematical and computer modeling	2020	24	1
Workshop supervision of water and soil projects	2023	8	2
Repair and improvement of the dam	2020	16	3
Use of seasonal floods in agriculture	2023	8	2
Management of saline soils	2021	12	1
A strategy to improve the health of agricultural soils	2023	8	1
Agricultural wastewater management	2022	8	2
Nature-based water management	2021	24	1
Coding using programs (html, css, javascript)	2023	24	1
Python programming in the field of water (python)	2023	32	1
Research method	2022	8	1
Groundwater Hydrology	2014	32	1
Research tools	2015	20	3
EndNote program	2013	12	5
MODLOW programing	2015	18	3
DRAINMOD	2015	18	2

GMS	2015	32	1
Matlab	2014	12	2
Minitab	2014	12	3
Interpretation of aerial photographs and use of remote sensing	1996	32	1
Geographic Information System (GIS)	1997	24	3
Designing the mechanical operation of water and soil protection	1999	12	16
Design of small earthen dams	1999	12	5
Application and design of Torkinset	2006	18	4
Management of seasonal floods	2006	12	2
Flood management in urban watersheds	2006	18	2
Estimation of erosion and sedimentation using experimental models	2000	12	7
The function of biological operations in water and soil protection projects	2005	36	1
The role of public participation in the development of natural resources projects	2004	8	5
Surface water hydrology	2007	16	2
Project management	2007	8	1
AutoCAD	2007	8	4
Soil protection and erosion	2001	12	4

Publications (ISI)

Scientific profile	years	IF	country	Journals/conferences	Title of papers/book
10.2166/ws.2015.014	2014	0.7	UK	J. of Water Science & Technology: Water Supply	The effect of pipe collectors in reducing the drainage coefficient rate
10.1002/ird.1955	2015	0.9	Netherland	J. of Irrigation and Drainage System	Interceptor Drainage Modeling to Manage Water Table and Salinity Problem
10.1061/(ASCE)IR.1943-4774.0001100	2016	1.3	USA	J. of Irrigation and Drainage Engineering	Investigation of Salinity Consequences Resulting From Drainage System Using Numerical Model
78:1-2 (2016) 51-57	2015		Malaysia	J. of Technology	Simulation of Flood Risk Area in Kelantan Watershed, Malaysia Using Numerical Model
	2016	2.3		J. of Vadose Zone	Determination of Effective Drainage System Using Analytical and Numerical Model
	2022		Iran	Water productivity	The prospect of recycling sewage in the northern provinces
	2023		Uzbekistan	Saline soil management	Saline soil management using drainage system
	2017		Iran	International conference of irrigation nad drainage	Management of groundwater table and salinity to protect agricultural area.
	2016		Indonesia	international conference on Agriculture, Biological and Environmental Sciences	Determination of optimal depth for wheat and corn in drought climate.
	2016		German	international conference on management of water resources	Environmental Impact of Small Storage Dams in Semi-arid Regions.

2015	Malaysia	International Conference of PAWEES-INWEPF	Simulation of flooding area in kelantan watershed , malaysia .
2005	Iran	International conference	Optimization of structural methods of water and soil resource management
2003	Iran	International conference on sediments and erosion	Investigating experimental models of sediment estimation
2002	Iran	International conference on natural resources protections.	Modeling the priority of implementing water and soil protection projects
1995	Iran	International Conference on Rain Catchment Surfaces	Development of water and soil operations and employment
2008	Iran	Natural Resources Week	Why and how the culture of natural resources should become public education
1402	Iran	Technical reports	Soil and water are the source of life
2020	Iran	book	Land drainage engineering
2020	Iran	book	Modernization of ponds
2022	Iran	book	A strategy to improve the health of agricultural soils
2022	Iran	Technical reports	Exploitation of seasonal runoff in the agricultural sector
2023	Iran	Technical reports	Integrated and intelligent monitoring of water and soil projects
2017	Iran	book	Ten golden ways to reduce nitrate losses in drained lands
2018	Iran	Book- translat	Nature-based water management
2017	Iran	book	Qazvin soil resources
2015	Iran	Book -translate	Hydraulics of open channels
2013	Iran	report	Research Tools
2016	Iran	Technical reports	Hydrology and surface water management
2011	Iran	Technical reports	Comprehensive water and soil management
2008	Iran	Technical reports	Development of a computer model for the design and estimation of stone mortar and gabion structures
2011	Iran	Technical reports	Optimum use of water and soil resources of Qazvin province
2008	Iran	translate	Guide to using GPS in water and soil studies
2008	Iran	paper	Zoning of flood-prone and flood-prone areas using experimental models
2006	Iran	pepper	Zoning intensity of soil erosion and sedimentation
2003	Iran	paper	Development of watershed cooperatives
2005	Iran	booklet	Application and design of Torkinset
90-71	Iran	report	Meteorology and climate study of water and soil protection projects (15 cases)
92-11	Iran	Technical report	Study of physiography and topography of water and soil protection plans (18 cases)
92-11	Iran	Technical report	Erosion and sedimentation study of water and soil protection projects (28 cases)
90-71	Iran	Technical report	Soil science study and land classification of water and soil protection projects (20 cases)
92-11	Iran	Technical report	Study of surface water hydrology of water and soil protection plans (17 cases)
92-11	Iran	Technical reports	Development of a conceptual model for the evaluation of water and soil protection projects
2003	Iran	Technical reports	Monitoring and evaluation of water and soil protection plans
2008	Iran	Technical reports	Consequences of soil erosion in Qazvin province
2008	Iran	Technical reports	The importance of watershed management in the optimal use of renewable resources
2015	Iran	research	Drainage Engineering and Modeling

Awards & certificates

years	Presented by	Titles
2020	Hague Academy -Netherlands	Shirika water management & nexuses in Iran
2021	FAO	Global symposium salt affected soil
2021	FAO	Global soil laboratory networks
2023	UNESCO-Research Institute of Natural Disasters in Iran	Specialized meeting on climate change
2021	Crisis Management Organization of the country	Participating in the drafting of the crisis management law
2022	Research and Education Organization	Participating in Roish TV program
2012	Deputy Minister of Water and Soil	Participation and effort in the work affairs of the deputy of water and soil
2013	The head of the organization	Participation and cooperation in performing tasks
2011	Director General of Water Affairs	Participation and effort in assigned affairs
2010	Director General of Development of Irrigation and Drainage Networks	Participation and effort in assigned affairs
2010	Medical soil affairs	Participation and effort in assigned affairs
2009	Head of Technical and Engineering Institute	Participation in the affairs of holding a conference of the Institute of Technical and Engineering Research
2015	Union of the Islamic Association of Islamic Students of East Asia	Helping to improve the level of technical knowledge of Iranian students abroad
2005	The head of the agricultural organization of the province	Provincial sample researcher
2010	Director of water and soil and engineering technical affairs	Maintaining valuable services in water and soil projects
2011	Director of water and soil and engineering technical affairs	Continuous cooperation in advancing the goals of the Islamic system of Iran
2010	The head of the organization	Effort and active participation in the field of the organization's suggestion system
2007	Deputy of land protection and affairs	efforts and effective cooperation
2007	head of the organization	Valuable services in promoting the culture of natural resources
2008	General manager of the project evaluation office	efforts to continuously monitor the study process
2008	General manager of natural resources of the province	Participation and active presence in realizing the culture of natural resources
2007	General manager of natural resources of the province	effort in monitoring relevant projects
2009	head of the organization	Valuable services in organizing the first provincial soil conference

2006	General manager of natural resources of the province	Active participation in the transaction commission of the General Directorate of Natural Resources
2004	The head of Jihad Sazandegi organization	Valuable services in the field of watershed management
2006	General manager of natural resources of the province	Optimal supervision of related projects
2005	Vice President of Organization Development	Active participation in reviewing the processes of selected provincial institutions
2005	The head of the organization	Selection of the proposed plan (convergence of priority projects) in the research council of the organization

Study and supervisory records

- ☐ Study of more than **100** water and soil plans
- ☐ Preparing more than **100** technical reports
- ☐ Translation of more than **30** English technical texts
- ☐ Design of more than **42** small earth dams

Also professional on following subjects:

- ✓ Coding program in python, css, html and java scripts
- ✓ Simulation and Modeling of drainage system using numerical model
- ✓ Water quality management
- ✓ Groundwater and surface water modeling
- ✓ Spatial distribution of groundwater quality
- ✓ Remote sensing
- ✓ Advanced Hydrology
- ✓ Water Resources management
- ✓ Water Management
- ✓ Water transfer
- ✓ Subsurface and Surface Water Hydrology
- ✓ AUTOCAD, ARCMAP, MODLOW, DRAINMOD, SALTMOD, MS OFFICE,
- ✓ ENDNOT, GMS, HEC_RAS, AND ETC
- ✓ Environmental evaluation
- ✓ Flood management
- ✓ Hydrologic Modeling
- ✓ Research tools
- ✓ Mother Tongue/ Language used at home: Persian (Farsi)

- ✓ Other languages(s) of which i has a working knowledge: Turkish

Proficiency in:

- ✓ Speaking English Good
- ✓ Reading English very Good
- ✓ Writing English very Good

Reviewer

(Agricultural Water l management journal)

2024 /August