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EDUCATION

2019-2021: Master's Degree in Environmental Science and Engineering, with a Focus on land assessment and Land Use planning, Payam Noor University of Tehran.

2004-2006: B.S. Agriculture engineering (water shad management and rangeland), Torbat-e-Jam's University (University College of Agriculture & Natural Resources)

1992-1994: associate degree. Agriculture engineering (water shad management and rangeland), Birjand University (University College of Agriculture & Natural Resources)

1985-1989: High school diploma in natural science (Kashani High School)

EMPLOYMENT EXPERIENCE

2020up to now: Researcher in the Forest and Rangeland research Department,

2014-2019: assistant of the Natural Resources Group, water and soil department of Hashemi Nejad High Education Center, Mashhad, Iran

2009 -2011: working with UNODC and DACAAR in Afghanistan on the Heart Desertification and Land use map projects, social and economic studies.

1997 - 2009: lecturer of the natural resources department of Hashemi Nejad High Education Center,

1995-1997: The Technician, WATER & SOIL laboratory of the watershed management office of Jihad-e-agriculture in Mashhad, Iran

REFERENCES (publication and presentation)

- Phytocapping: a bioengineering technology to reduce the adverse environmental impacts of landfills, especially in arid and semi-arid regions. The second National Conference on Environment, Energy, and Biodefense, October 2014

- Using precipitation for reclamation of rangeland (Case study: Chah-hossen's Rangeland of Sabzevar/Iran) - Journal of Middle East Applied Science and Technology 14(2), 6, 2014

CAREER OBJECTIVE:

Persuasion for researchers, 2007

First student, B. Sc., 2004

TEACHING ACTIVITIES

Teaching for:

-Medicine plant student

-soil biology & biotechnology

-soil fertility

- Plant nutrient

- Soil and water conservation

- Water, soil, and plant relationship

-assistant of the executive in watershed management & rangeland project

- Arid land reclamation

For 28 semesters in Hashemi Nejad high education center in Mashhad, IRAN

Masoud Derakhshi is a Lecturer and Researcher. He is also a reviewer for more than 130 scientific journals. Mr. Masoud Derakhshi was born in Mashhad, Iran. He completed his B.Sc. and M.Sc. at Torbatjam's Azad University and Payam Noor University of Tehran Universities, Iran, in Environmental Science and Engineering. College of Agriculture, Iran (2021).

He is presently a Researcher in the Forest and Rangeland Research Department, Agricultural and Natural Resources Education & Research Center of Khorasan Razavi, AREEO, Mashhad, Iran.

He has published and contributed some 5 papers, some 20 conferences, and completed 10 projects.

His most important Projects and articles in the last 30 years are as follows:

-Projects

- Soil measurement and monitoring of the forest stands of Iran-Turani, Phase 1 - sub-project of soil measurement and monitoring of the forest stands of Iran-Turani, Khorasan, Razavi province (Juniperus type), Associate Forest Department, from 2022 to 2025
- Soil measurement and monitoring of forest stands of Iran, Turani - sub-project of soil measurement and Monitoring of forest stands of Iran - Turani, Khorasan Razavi province (pistachio- Almond type), Associate Forest Department, from 2022 to 2025
- Determining the extent of Iran's Turani forests using remote sensing techniques - first part - Razavi Khorasan province, Associate Forest Department, from 2019 to 2024
- Investigating the effect of potassium and calcium cations and their ratios on reducing the damage caused by cold stress (freezing) in grapes, North Khorasan, Bojnourd, main partner
- From 2009 to 2014
- Reduction of potassium from vinasse and its applications as fertilizer and animal feed, Agricultural Jihad Education Center is the main partner, from 2008 to 2009
- Investigating the effect of washing and temperature on the germination of Dorema Ammoniacum plant seeds, Agricultural Jihad Education Center is the main partner, from 2004 to 2005
- Production of benzyl alcohol, Agricultural Jihad Education Center is the main partner

From 2000 to 2001

-Papers

-Derakhshi, M.et. al.. (2023) assessed and prepared areas of potential cultivation, including saffron, using a hierarchical analysis process method in Khorasan Razavi province, for the Saffron Promotion Magazine publication. https://se.areeo.ac.ir/article_130923.html

-Derakhshi, M. et.al. (2015) Journal article on the improvement of some characteristics of soil and vegetation as a result of flood irrigation in Jahanabad Torbat-e Jam, Journal of watershed research (research and development), p. 116

-Derakhshi, M. et.al (2015) Journal article Measuring the Bioavailability of Iron and Zinc by the DTPA-TEA Method in Moderately within Halophilic Strains, Global Journal of Biology, Agriculture & Health Sciences Published,p 3

- Derakhshi, M., Eskandari, M. Khalili, Gh., (2015) Comparative assessment of Fe and Zn Bioavailability in haloalkaliphilic bacterial strains by three estimation methods, Sky Journal of Microbiology Research, p 5

- Derakhshi, M., Paydar, M., Eskandari, M. (2014). Converting food waste and household waste into vermicompost, Moravej Quarterly Magazine.

- Derakhshi, M., Heydari, H., Ghasemi-Arin, A., Nezhad Mohammad, A. (2012) - Using precipitation for reclamation of forest in semi-arid areas (Case study: hydrological groups Soil of

Lain-kohne's forest of Kalat/Iran) - Journal of *Iranian* Rainwater Catchment Systems Area, www.ircsa.ir

-Ajlali.F, Rezvani. M Tabibian. S. Khalaj .H, Derakhshi. M. (2019) Criteria of the desert ecotourism 'Sustainable Development 'by the SWAT method (Case study: Planning Ghareghom Basin), Desert Day specialized meeting.

-Eskandari, M., Nezhad Mohammad, A., Derakhshi, M., Ghasemi-Arin, A. (2014) - Phytocapping; a bioengineering technology to reduce adverse environmental impacts of landfills, especially in arid and semi-arid regions, The second International Conference& Journal of Middle East Applied Science and Technology,

-Ghasemi-Arin, A., Nezhad Mohammad, A., Derakhshi, M. (2014) - Using precipitation for reclamation of rangeland (Case study: Chah-hossen's Rangeland of Sabzevar /Iran) - Journal of Middle East Applied Science and Technology, Tehran, 14(2), 6. ISSN (online): 2305-0225