CURRICULUM VITAE

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EDUCATION:

1.	**Post doc**	Land Reclamation,	1978-1979	Oklahoma State University	USA
2.	**Ph.D.**	Soil Science	1974-1978	Oklahoma State University	USA
3.	**MSc.**	Agronomy (Soil Science)	1972-1974	Oklahoma State University	USA
4.	**B.Sc.**	Agricultural Engineering (Soil Science)	1966-1970	University of Tehran	Iran

WORK EXPERIENCE:

Professional Positions:

1. **Coordinator, Iran-ICARDA Program and Highlands Regional Research Network,** Tehran, Iran from November 2008 to March 2012.

   ICARDA-Iran office was established in Tehran in 1995 and has expanded its close partnership with 12 national agricultural research institutes in Iran on various areas of agricultural research for development, mainly on crop improvement and management in dry areas, conservation agriculture in the highlands, agricultural biotechnology and gene management, agricultural diversification , integrated water and soil management, Integrated crop and livestock production system, seed and plant certification and registration, socioeconomic and policy ,etc

2. **Senior Advisor on International Scientific and Research Cooperation, Agricultural Research Extnsion and Education Organization** AREEO, Tehran, Iran, from January 2005 to November 2008

   Responsibilities include advising Deputy Minister of Agriculture and President of AREO on international affairs including relations with international agricultural research centers affiliated to CGIAR System, regional and international organizations, donor agencies, ARIs, NARSs, regional and international fora and networks and also on emerging global and regional issues as well as international conventions and treaties. It includes also supervising

the activities of the Secretariats of WANA Regional Agricultural Information System and Interregional Cotton Network in Asia and North Africa, INCANA affiliated to APAARI, AARINENA and CACAARI hosted by AREO.

3. **Deputy President of Agricultural Research and Education Organization (AREO) On International Scientific and Research Cooperation,** Tehran, Iran, April 2001 to January 2005

   Responsibilities include supervision and promotion of international scientific and research cooperation of AREO with international and regional research organizations, advanced research institutions, national agricultural research systems of developing countries, donors and CGIAR research centers. AREO (after the merger) consists of 23 national commodity and non-commodity research institutes (responsible for field crops, , dry-land agriculture, horticulture, range, forestry, watershed management, soil, water, agricultural biotechnology , biodiversity, livestock, and fisheries), 30 multidisciplinary provincial research centers and 75 agricultural training centers with a total scientific staff (MSc & PhD) of about 3000, research technicians (BSc) of about 2000 and supporting staff of about 7000 who are well distributed through out the country. AREO is now affiliated to the new Ministry of Jihad-e- Agriculture

4. **Deputy President of Agricultural Research, Education and Extension Organization (AREEO) on Planning and Support** (1997-2001), Tehran, Iran

   Responsibilities included helping AREEO in formulation of research policies and preparation of annual budget (about US $ 70 million), financial management, administration and evaluation of multidisciplinary agricultural research projects implemented by 12 national research institutes and 30 provincial research centers (working on crops, horticulture, dry-land agriculture, soil, water, conservation of plant genetic diversity, plant protection, agricultural engineering and post harvest technology) with a total scientific staff (MSc. and PhD) of about 1000, research assistants (BSc.) of about 900 and supporting staff of about 3000 distributed through out the country. AREEO was affiliated to the Ministry of Agriculture before the merger.

5. **Deputy President of Agricultural Research, Education and Extension Organization (AREEO) on Research** (1995-1997), Tehran, Iran

   Responsibilities include supervision and coordination of AREEO's reseach program as well as research priorities and approval of multidisciplinary agricultural research projects proposed and implemented by 12 national research institutes and 30 provincial research centers working on diffrent field crops, horticulture, dry-land agriculture, soil and water resources, plant protection, agricultural engineering and post-harvest technology. It also included supervision of international scientific collaboration of AREEO with IARCs and other regional and international organizations and fora.

6. **Director General, Soil and Water Research Institute of Iran,** Tehran, 1983-1995

   Soil and Water Research Institute established in 1953 was a prestigious national research institute with a total scientific and supporting staff of about 220 at Headquarters in Tehran. Its mandate was to carry out applied research on soil fertility and plant nutrition, soil conservation in dryland areas, irrigation and water management, land reclamation, soil pollution, soil characterization , soil survey and land suitability evaluation in Iran. The Institute had 7 research divisions at the Headquarters and 27 provincial divisions equipped with experimental farms and modern soil characterization laboratories in different provinces.It had extensive collaboration with different universities around the country.

7. **Project Leader, Land Reclamation and Drainage of North Golpayegan Plain,** Golpayegan, Iran, 1980-1984

Project of North Golpayegan Plain covered an area of about 15000 hectares of severe and unproductive saline and alkali soils, which were thoroughly reclaimed through designing and installation of drainage system, application of soil amendments, mainly sulfur as a by-product of petro-chemical factories in Iran. The reclaimed land was improved to become a very productive land and since then have been utilized by small resource poor farmers for crop and forage production. The Project also included activities on soil conservation, floodwater spreading, and watershed and range management. The Project Leader was responsible for all activities including studying, planning and execution of the Project.

8. Director of Agricultural Office, Golpayegan, Iran, 1980-1982

Duties included supervising of agricultural and natural resources programs and extension service on crop production and protection, range and forest management, animal husbandry, veterinary and rural development such as construction of small dams and irrigation systems.

Teaching and Academic Experiences:

1. Teaching graduate courses on “soil classification”, "land suitability evaluation" and “clay mineralogy” for MSc. and PhD. students at Colleges of Agriculture, University of Tehran, Tarbiat Modarres University and Azad University from 1985 to continue.
2. Have already supervised 32 M.Sc. theses and 7 PhD dissertations at various universities on areas of soil management, land suitability evaluation, land use planning, soil genesis and classification, soil fertility and plant nutrition, soil pollution and clay mineralogy, from 1985.

Awards:

1. Distinguish Soil Scientist, 2011, Soil Science Society of Iran.
2. Plaque of Honor for Contribution to Global Agricultural Research for Development, 2006 , Global Forum on Agricultural Research for Development., GFAR , Rome, Italy
3. Plaque of Honor for Strengthening Regional Collaboration on Agricultural Research in the Near East and North Africa. 2006. Association of Agricultural Research in the Near East and North Africa, AARINENA, Amman, Jordan

International and Regional Research and Scientific Positions:

1. **Head , ICARDA Office in Iran and Coordinator of Highlands Regional Research Network ,** November 2008 to March 2012
2. **Chairman of Global Forum on Agricultural Research (GFAR),** October 2002 to June 2006
3. **Vice Chair of Commission 4.3 Soils and Land Use Change , International Union of Soil Science,** from 2010-2014
4. **Member of the Executive Council of CGIAR** (ExCo) from 2002 to 2006

5. **Member of the Panel of ICARDA Center Commission External Review on CGIAR System - wide Research Program of Central Asia and Caucasus (CAC),** Feb-June 2008.
6. **Member of CGIAR Consultative Council**, 1998-2000
7. **Member of the CGIAR-ExCo Ad-hoc Committee on Center Board Nominees** 2005-2006
8. **Member of the Interim Panel of Eminent Experts (IPEE) of Global Crop Diversity Trus**t established by FAO and IPGRI, 2003 to Feb 2007
9. **President of the Association of Agricultural Research Institutions in the Near East and North Africa (AARINENA),** May 1998 to March 2000
10. **Vice-President of AARINENA**, 1996 to 1998 and from 2002 to 2004
11. **Advisor to AARINENA Executive Committee, since November 2006**
12. **Member of the Board of Directors**, International Center for Biosaline Agriculture (ICBA), 2003 to 2005
13. **Member of the Steering Committee of Global Forum on Agricultural Research, GFAR-SC, and NARS -Committee of GFAR**, 1998 -2006
14. **Member of the Panel of Center Commission External Review on ICARDA Outreach Program**, 2003
15. **Member of the Executive Committee of AARINENA,** 1996 -2010
16. **Chaired many meetings of CGIAR during the MTM and ICW as well as CGIAR-AGM since 1998** and attended in many CGIAR meetings.

Regional Representations:

1. Representing the WANA region in the 2^{n} Global Conference on Agricultural Research for Development. October 29 - 1 November 2012, Punta De Este, Uruguay.
2. Representing the WANA region in the 1st Global Conference on Agricultural Research for Development. April 2010, Montpelier, France.
3. Representing the WANA region in " The Face to Face Regional Consultation Meeting on Agricultural Research Priorities " held in Egypt , Alexandria, November 2009
4. Member of WANA delegation in "1st, 2nd and 3rd Global Forum on Agricultural Research Conferences" held in , Dresden, Germany, May 2000, Dakar, Senegal, May 2004 and New Delhi, November 2006.
5. Representing WANA in "Regional Conference on Formulation of Agricultural Priority- Setting in CWANA", ICARDA, Aleppo, Syria, May 2002
6. Representing WANA Region in "GFAR/IFAD Technical Workshop on Methodologies, Organization and Management 0f Global Partnership Programs", IFAD, Rome, Italy, October 2001
7. Representing WANA in "Consultation Meeting to Develop a **C**ommon Approach to Agricultural Research Cooperation in the Mediterranean Basin", Rome, Italy, February 2001
8. Head of WANA delegation in "The Expert Consultation for the Development of WANA Agricultural Information System", Beirut, Lebanon, March 2000

9. Head of WANA delegation in AARINENA/EFARD Meeting on Inter-Regional ARD Collaboration, Lisbon, Portugal, February 2000
10. WANA Representative in "The International Conference on Regionalization of Agricultural Research in the Mediterranean and Near East Countries", Sponsored by CIHEAM, FAO, ICARDA, and AARINENA, Florence, Italy, May 1997
11. Representing the West Asia and North Africa region (WANA) in "NARS/CGIAR Partnership Preparatory Meeting for Global Forum", IFAD, Rome, Italy, August 1996
12. Representing WANA in GFAR-SC Meetings, Washington, D.C., October 1998; Beijing, May 1999; Washington, D.C., October 1999; Dresden, May 2000; Johannesburg, May 2001; Washington, D.C., October 2001; Rome, May 2002; Manila, October 2002; Nairobi, October 2003
13. Representing Iran in "The General Conferences of Association of Agricultural Research Institutions in the Near East and North Africa" (AARINENA), November 1994, Cairo, Egypt; April 1996, Rabat, Morocco; May 1998, Tehran, Iran; March 2000, Beirut, Lebanon; May 2002, Amman, Jordan, April 2004, Muscat, Oman, Damascus, Syria October 2008, Kuwait, September 2011.

Position and Membership in National Scientific Councils /Commissions:

1. **President of the Soil Science Society of Iran,** from 1992 to 2009 (elected 4 terms)
2. **Member of Agricultural Commission of National Scientific Research Counci**l, from1995 to 2004
3. **Member of Higher Council of Policy Formulation and Coordination of Agricultural Research,** The Ministry of Agriculture, 1996 to 2001
4. **Member of Agricultural Research Council, Agricultural Research and Education Organization (AREO), The Ministry of Jihad-e- Agriculture**, since 1980
5. **Member of Agricultural Committee of High Council of Academic Planning**, The Ministry of Science and Higher Education, 1988 to 2000

PUBLICATIONS:

1. IN ENGLISH

1.1. Book:

1. Roozitalab, M. H and H. Siadat. 2012. English for the Students of Soil Science, Water and Environment. Organization for Researching and Composing University Text-books in the Humanities (SAMT), Center for Research and Development in Humanities, 1st Impression 1999, 8th Impression 2012, 225 p. Tehran. Iran

1.2 Scientific Papers and Articles in English.

1. Rezaei. N, M. H. Roozitalab, and H. Ramezanpour. 2012. Effect of Land Use Change on Soil Properties and Clay Mineralogy of Forest Soils Developed in the Caspian Sea Region of Iran. J. Agr. Sci. Tech, Vol. 14 , pp 1617-1624, Tehran , Iran.

2. Mirkhani, R, M. H. Roozitalab **,** N. Khaleghpanah and A Majdabadi. April 2012. Sorption behavior of cesium and strontium in selected soils of semiarid and arid regions of Iran. Journal of Radioanalytical and Nuclear Chemistry, Published on line 26 April, Springer.

3. Pourkarimi, M., M. M. Tehrani, M. H. Roozitalab, H. R. Momtaz and N. Davatgar. 2012. Special distribution of potassium and its relation with some of the soil characteristics and physiographic units in Fomanat, Guilan Province, Iran. International Journal of Agriculture: Research and Review. Vol., 2 (4), 343-351.

4. Heidari, A., Sh. Mahmoudi, and M. H. Roozitalab. 2008. Diversity of clay minerals in Vertisols of three differrent climatic regions in Wentern Iran. Journal of Agricultural Sciences and Technology, Vol. 10 , No 3, Tehran , Iran.

5. Goli-Kalanpa, E., M. H. Roozitalab and M.J. Malakouti. 2008. Potassium availability as related to clay mineralogy and rates of potassium application. Communications in Soil Sciences and Plant Analysis. Vol. 39, Issue 17, PP 2721-2733.

6. Stads, G .J. M. H. Roozitalab, N. M. Beintema and M. Aghajani. 2008. Agricultural R&D in Iran, policy, investments, and institutional profile. IFPRI Publication.

7. Roozitalab, M.H., A.T. Sharifi, M. Aghajani and J. Tavakolian. 1999. The National agricultural research system of Iran. In *The national agricultural research systems in the West Asia and North Africa Region*, edited by J. Casas. Aleppo, Syria: ICARDA, FAO, AARINENA, CIHEAM, pp. 185-198

8. Bahmaniar, M.A., M.J. Malekouti and M.H. Roozitalab. 1993. Chemical properties and fertility status of paddy soils influenced by continuous rice cultivation in northern Iran. *Communications in Soil Science and Plant Analysis* 24 (1&2): 93-107.

9. Siadat, H., M.H. Roozitalab, H. Seddigh, E. Ansaripoor and A. Shahrookh-Nia. 1993. Status of K contents in soils, K fertilizer in use and recommendation in Iran. In *K availability of soils in West Asia and North Africa - Status and perspectives*, edited by K. Mengel and A. Krauss. Basal, Switzerland: International potash Institute, pp. 113- 124.

10. Ramazanpour, H., M.H. Bahmaniar, M.H. Roozitalab and M.J. Malekouti. 1992. The effect of continuous rice cultivation on the morphology and clay mineralogy of paddy soils in northern Iran. *Journal of Agricultural Science and Technology* Vol. 1 (1): 53-66.

11. Roozitalab, M.H. 1995. Past, present and future of soil survey in Iran. In *Soil survey: Perspectives and strategies for the 21st century*, edited by J.A. Zinck. Rome: ITC-FAO Publication No. 80, pp. 82-84.

12. Keshmiri, F., M.H. Banai and M.H. Roozitalab. 1987. *The soil map of Iran at 1:1000 000 scale: The legend.* 2nd revision. No. 732. Tehran: Soil and Water Research Institute.

13. Roozitalab, M.H. and F. Gray. 1982. Distribution of clay minerals in selected Oklahoma soils. *Soil Science* 134: 308-316.

14. Roozitalab, M.H. and F. Gray. 1979. *Clay mineralogy of Oklahoma soils*. Technical bulletin T-153. Stillwater: Oklahoma State University.

15. Voss, D.A., F. Gray and M.H. Roozitalab. 1978. Shrink-swell and other characteristics of five benchmark soils of western Oklahoma. Technical bulletin T-150. Stillwater: Oklahoma State University.

16. Gray, F. and M.H. Roozitalab. 1976. *Benchmark and key soils of Oklahoma: A modern classification system.* Stillwater: Oklahoma State University.

2. PAPER AND ARTICLE IN FARSI

1. Ayoubi. S., A. Jalalian, M.K. Eghbal, H. Khademi and M.H. Roozitalab. 2002. Identification and genesis of clay minerals in two paleosols from Sepahanshahr (Isfahan) and Eman-Gheis (Chaharmahal-Bakhtiari). *Iranian Journal of Crystallography and Minerology* 10 (2): 157-178.
2. Tobeh, A. S. A. Hashemi, E. Majidi, M. H. Roozitalab , D. Mazaheri.1999. Study of tillage system effect and number of weedings on final density and species of weeds, qualitative and quantatative yield of corn. Seed and Plant Journal of Agricultural Research. V14, No4 .
3. Roozitalab, M.H. 1994. Conservation and sustainable use of soils, a Key to agricultural development and food security. *Soil, Water and Machinery Journal* Vol. 1(1): 46-48.
4. Mottaghi, M. and M.H. Roozitalab. 1991. Morphological and physico-chemical characteristics of vertisols in Bakhtaran Province. *Journal of Soil and Water* Vol. 6 (1): 1-15.
5. Roozitalab, M.H. 1990. General characteristics of soils in Iran: Their potentials and constraints. *Scientist* Vol. 29 (43): 18-26.
6. Refai, H., S. Shahoi and M.H. Roozitalab. 1988. *Effects of erosion on soil productivity: Land use and sustainable management in Gorgan River Basin.* Research Report. Tehran: University of Tehran.
7. Roozitalab, M.H. 1987. *National soil policy and its technical and institutional elements in Iran.* Technical bulletin No. 725. Tehran: Soil and Water Research Institute.
8. Roozitalab, M.H. 1985. Overview of the soil resources and the trend of population growth in the World. *Journal of Soil and Water* Vol 1(1): 1-16.
9. Sattar, M. and M.H. Roozitalab; 1985. Leaching of saline and alkali soils of Golpayegan Plain. Research bulletin No. 662. Tehran: Soil and Water Research Institute.
10. Roozitalab, M.H. 1984. Importance of soil in agriculture and national independence of Iran: The general guidelines needed for formulation of soil policy and conservation. *Zeitoon.*

3. Papers Presented at National/ Regional/ International Conferences:

1. Roozitalab, M. H, M. R. J. Kamali and E. De Pauw. 2010. Conservation agriculture for sustainable wheat production in the highlands of CWANA region: potential and constraints. 8th International Wheat Conference, 1-4 June 2010, St. Petersburg, Russia.

2. Mirkhani R., M. H. Roozitalab, N. Khaleghpanah, N. Rezaei and S. Teimouri. 2010. Physico--chemical characteristics and clay mineralogical composition of selected soils in arid and semi arid region of Iran. Proceeding of 21 Australian Clay Mineral Conference, PP 151- 154 , Brisbane, Australia

3. Mirkhani R., M. H. Roozitalab, S. Teimouri and N. Khaleghpanah, 2010. Soil sorption on Cesium in calcareous soils of Iran. Proceeding of 19 World Congress of Soil Science e , PP 112-115, 1-6 August 2010, Brisbane, Australia

4. Khaleghpanah,N., M. H. Roozitalab , A. Majdabadi and R. Mirkhani. 2010. The adsorption of Strontium on soils developed in arid region as influenced by clay content and soluble cations. Proceeding of 19 World Congress of Soil Science e , PP 116-119, 1-6 August 2010, Brisbane, Australia

5. Roozitalab, M. H. 2007. Effects of climate change on agricultural development and sustainability of soils in arid regions of the World. Key- note Presentation at 10th National Soil Science Congress. Karaj, Iran.

6. Goli-Kalanpa, E., M. H. Roozitalab, M.J. Malakouti. 2007. Kinetics of non- exchangeable potassium release and evaluation of potassium status in selected calcareous soils of Iran. International Agricultural Engineering Conference, Bangkok, Thailand.

7. Goli-Kalanpa, E., M. H. Roozitalab, M.J. Malakouti. 2007. Potassium availability as related to clay mineralogy and rates of potassium application. International Agricultural Engineering Conference, Bangkok, Thailand.

8. Roozitalab, M. H. 2005. Responses to changing agricultural research for development (ARD) needs of national agricultural research systems in the context of globalization. A key note presentation at the 3rd Conference of the European Forum of Agricultural Research for Development (EFARD) held in Zurich, Switzerland from 27 to 29 April 2005.

9. Goli, E., M. H. Roozitalab, M. J. Malekouti and A. Samadi. 2005. Kinetics of non-exchangeable potassium release in selected soils in Uramia region. 9th National Soil Science Congress, Karaj , Iran

10. Goli, E., M. H. Roozitalab, M. J. Malekouti and A. Samadi. 2005. Soil potential capacity for K-fixation and mineralogy of clay .silt and sand fraction in selected soils under vine yard cultivation in Uramia region. 9th National Soil Science Congress, Karaj , Iran

11. Zareh, M., M. M. Ardelan, A. Fotovat and M. H. Roozitalab .2005. Calibration of ultra-filtration technique for K in Khorasan province. 9th National Soil Science Congress, Karaj , Iran

12. Goli, E., M. J. Malekouti, M. H. Roozitalab. 2005. Variation of soluble and exchangeable k due to application of potassium in selected soils under wheat cultivation in Uramia region. 9th National Soil Science Congress, Karaj , Iran

13. Roozitalab, M.H. 2003. Global food security and sustainable development of dry areas. A Plenary presentation at the Seventh International Conference on Development of Dry Lands, Tehran, Iran, September, 2003.

14. Heidari, A., S.H. Mahmoudi and M.H. Roozitalab. 2003. Studying the mineralogical characteristics and its relation with soil properties in selected vertisols of Fars Province. The 8th National Congress of Soil Science, Rasht, Iran, August, 2003.

15. Roozitalab, M.H. 2003. The role of international trade on food security and virtual water in dry areas. Sideline Conference of Challenge Program on Water for Food and Agriculture, Nairobi, Kenya, November 1-5, 2003.

16. Roozitalab, M.H. 2000. Partnership in agricultural research for regional food security and sustainable agricultural development in the WANA region. 25th FAO Regional Ministerial Conference for the Near East, Beirut, Lebanon, March, 2000

17. Roozitalab, M.H. 2000. Collaboration in agricultural research and technology development: A key to regional food security and sustainable agricultural development in WANA region. Global Forum on Agricultural Research Conference, Dresden, Germany, May, 2000.

18. Saiyari-zehan, M.H., S. Mahmoodi, M.H. Roozitalab and G.H. Haghnia. 1999. An investigation on the process of salinization and alkalization in selected soils of Khorasan Province.The 6th International Congress of Soil Science, Mashhad, Iran, September, 1999.

19. Tubeh, A., A. Hashemi, E. Majidi, M.H. Roozitalab, and D. Mazaheri. 1998. Effects of conventional and reduced tillage practices and weed management on quality, yield and N. uptake of corn. The 5th Iranian Congress of Crop Production and Plant Breeding, Karaj, Iran, September, 1998.

20. Roozitalab, M.H. 1996. Present status of agricultural research system in Iran and linkages with universities. The 5th General Conference of Association of Agricultural Research Institutions in Near East and North Africa (AARINENA), Rabat, Morocco, May, 1996.

21. Roozitalab, M.H. 1996. Operational partnership framework for WANA/NARS collaboration in global agricultural research system. NARS/CGIAR Partnership, Preparatory Meeting for Global Forum.. IFAD, Rome, Italy, September, 1996.

22. Mahamadi, A., M. Kalbasi, M.H. Roozitalab and M. J. Malekouti. 1996. P-adsorption isotherms in relation to dominant clay minerals and carbonates content of selected soils in Iran. The 5th National Congress of Soil Science, Karaj, Iran, September, 1996.

23. Roozitalab, M.H. 1994. Aridisols of Iran and their sustainable uses. The 4th National Congress of Soil Science, Isfahan, Iran, September, 1994.

24. Zarinkafsh, A., M.H. Roozitalab and S. Mahmoodi. 1990. A study on the origin and formulation of calcareous hardpans in soils of Golpayegan plain in central Iran. The 14th International Congress of Soil Science, Kyoto, Japan, August, 1990.

25. Roozitalab, M.H. 1987. National soil policy, a need for its formulation and implementation. The 1st National Congress on the Challenges Facing the Agricultural Development in Iran, Tehran, Iran, 1987.

26. Roozitalab, M.H. 1978. Quantitative determination of clay minerals in selected Oklahoma soils. Soil Science Society of America Conference, Chicago, US, 1978.