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# Hamid Siadat

# حمید سیادت

## Personal Information

- Marital status: Married
- Nationality: Iranian
  - Date of Birth: 28 Dec 1945
  - Place of Birth: Zabol, Iran

## Education

**1977 - 1979** UC Davis  
California, USA  
دکتری علم خاک بورس شهریه از دانشگاه دیویس کالیفرنیا

### Ph D / Soil Science

- Winner of Tuition Waiver for Distinguished Scholars.
- Teaching and Research assistant for 3 years.

کارشناسی ارشد: بورس 2 ساله کامل از دولت هلند در دانشگاه کشاورزی واگنینگن:

**1973-75** Ag. Uni. Wageningen The Netherlands

M.Sc./ Water Management( Irrigation and Drainage)

- Winner of 2-year fellowship.
- M.Sc. with Distinction. با درجه ممتاز

کارشناسی: بورس 4 ساله کامل دانشگاه آمریکایی بیروت

**1964-1968** American Uni. Beirut Lebanon

### B.Sc./ Soils and Irrigation

- Winner of 4-year fellowship, USAID

## Professional experience

تجربیات شغلی

**1998- Present:** Editor-in-chief, Iranian Journal of Soil Research. In Persian with English summary (Published by Iranian Soil and Water Research Institute, AREEO) and Soil Science Society of Iran. [srjournal.areo.ir](http://srjournal.areo.ir)

**2010-Present:** Editor-in-chief, Iranian Journal of Water Research in Agriculture. Published by Iranian Soil and Water Research Institute, AREEO). [wra.areo.ir](http://wra.areo.ir)

**June 2010-13:** Consultant to **Yekom Consulting Engineers Firm**. Project on "Integrated Water Resources Management and Planning in IDB, Tanzania".

**August 2004-Aug 2009:** Project Consultant/Facilitator: **ICARDA** Karkheh River Basin Project. Iran.

**March-July 2004:** UNDP National Project Manager: Bam Water Restoration Project  
**2003- March 2004:** Consultant to Yekom Consulting Engineers on Water Quality project.

**2001-2003:** 2 short term consultancies with **FAO** and 2 short term consultancies with **ICARDA**.

**1970 - 2001:** Soil and Water Research Institute of Iran (retired March 2001).

- Deputy DG on Research (12 years).
- Head of Research Division ( 7years).
- Irrigation research staff ( 4 years) .
- Irrigation/Drainage Projects ( site selection, field lay outs, cropping patterns, crops water requirements, irrigation scheduling).
- Design and execution of on-farm experiments on topics related to soil-water-plant relationship and soil/water quality.
- Editorial experience (Ed-in-chief, Iraninan Journal of Soil and Water Sc., 1998-present)
- Teaching experiences.

**Computer Experience**

MS WORD, EXCEL, AND POWER POINT

**Additional professional activities**

- Review Editor. Chapter 3. World Bank IAASTD CWANA Sub-Global Report. 2007.
- Guiding professor for 8 Ph D and 2 MSc students in Iran (Tehran Uni., Tarbiat Modares Univ., Azad Univer). Consulting Prof. for 2 Ph D student, Tehran Univ.
- Invited Scientist for teaching and research, UC Davis, 1979-80
- Part-time consultant to private Consulting Engineers firms in Iran on 3 irrigation projects (during 1985-1996).
- Rothamsted International fellowship for research on drought tolerance , 8 months during 1996, Rothamsted Experimental Station, U.K.
- Teaching experience in UC Davis and 3 Iranian Universities.

**Professional memberships**

**2015-Present:** Member, Working Group on Water Productivity, Ag. Research, Education, and Extension Organization ().

**1992-Present:** Invited Prof., Academy of Sciences, Agricultural Group (), Islamic Republic of Iran.

**1998-Present** :Soil Science Society of Iran ().

**Awards جوايز**

--Distinguished Soil Scientist, 2009, Soil Science Society of Iran. -

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-8-month fellowship from Rothamsted Experimental Station, UK, 1996.

--3-year Tuition waiver for Distinguished Scholars, during PhD studies, UC Davis, USA, 1977-79.

--2-year full fellowship for MSc, Wageningen Agri. University, The Netherlands, 1973-75

--4-year full fellowship for BSc, American University of Beirut, Lebanon, 1964-68,.

#### PhD Dissertation

- H.Siadat. 1979. Root Water Absorption and Growth Following a Long Dry Period and Moisture Extraction By Partially Wetted Root Systems. The University of California, Davis. The USA.

#### MSc, These

- **Major:**
- H.Siadat. 1975. Study of Actual Evapotranspiration and Observations on Some Plant Parameters for Lettuce and Spinach. The Agricultural University of Wageningen. The Netherlands.
- **Minor:**
- H.Siadat. 1975. Grouping of groundwater Observation Wells in " Gelderse Vallei". The Agricultural University of Wageningen. The Netherlands.

#### - Books or articles in books

#### Books or articles in books

1. Mohammad Hassan Roozitalab, Hamid **Siadat** • Abbas Farshad. **2018**. The Soils of Iran: [World Soils Book Series](#). Publisher: [Springer Nature](#). 255 pages.
2. M. Ghafouri, H. **Siadat** and T. Oweis (Eds). 2012. Integrated watershed management in the upper catchments of Karkheh River Basin of Iran. CPWF Karkheh River Basin. Research Report no. 12, **ICARDA**, Aleppo, Syria. x + 89 pp.
3. Farahani, H., T. Oweis, H. **Siadat**, F. Abassi, A. Bruggeman, J. Anthofer, and F. Turkelboom (Eds). 2008. Proceedings of the International Workshop on Improving Water Productivity and Livelihood Resilience in Karkheh River Basin, Karaj, Iran. 10-11 Sep 2007. CPWF Projects PN 8 and PN 24, Report 2. **ICARDA**, Aleppo, Syria
4. Oweis, T., **Siadat**, H. and Abbasi, F. 2009. Improving on-farm agricultural water productivity in the Karkheh River Basin. Colombo, Sri Lanka: CGIAR Challenge Program on Water and Food.
5. -Roozitalab, M.H., and H. **Siadat**. 2006. English for the students of soil science (water and environment). 5<sup>th</sup> print. SAMT Publishing Co. Tehran, Iran.
6. -**Siadat**, H. 2005. Irrigation management of problem soils. In "The Soils of Iran". Banaei M H, Moameni A, Bybordi, M, and M.J Malakouti (Editors). pp 372-385 (in Persian).
7. -Tavakoli, A.R.; Theib Y. Oweis, Farhad Ferri; Akbar haghghati; Velis Belson; Mustafa Pala, **Hamid Siadat**,; and Habib Ketata. 2005. Supplemental Irrigation in Iran: Increasing and Stabilizing Wheat Yield of Rainfed Highlands. On-Farm Water Husbandry Research Report No 5. ICARDA, Aleppo, Syria, xii+46pp.
8. -Farshi, A.A, Kheirabi, J., **Siadat**, H., Mirlatifi, M., Darbandi, S., Salamat, A.,

- Entesary, M., Sadatmirei, M.H.2003.On-farm irrigation water management. **Iranian National Committee on Irrigation and Drainage**. Pub.No. 76.
9. -Khoshgoftarmanesh,A.H., and H.**Siadat**. 2002. Mineral nutrition of horticultural crops and vegetables in saline conditions. **Ministry of Jihad-e-Agriculture, Dep. Of Horticultural Affairs**.
10. Abtahi, A., Hadj-rasooliha, Sh., Haghnia. G., **Siadat**,H., Kalbassi, M.,and M. Maftoun . 2001. A dictionary of agriculture and natural resources, Vol.10, Soil Science.. **I.R. Iran, The Academy of Science (in Persian). Tehran University Press**.
11. Bahar,F., **Siadat**,H., Taravaty,H.,Alizadeh, A.,Koochaki, A.,Kousari, A., and A. Vahabzadeh. 1998.(**translation**) State of the World 1998. Translated from Lester Brown,et al. State of the World 1998. Persian translation published by Mashad University, Jihad-e- Daneshgahi Press.Iran.

#### – English Publications/Papers

1. Norouzi Banis, D. Lotfollahzadeh, M. Ghaitour, T. Farhadinezhad, Z. Masri, D. Nikkami, A. Ghaffari, E. De Pauw and H. **Siadat**. 2012. Land Degradation and Management in Karkheh River Basin. In : M. Ghafouri, H. **Siadat** and T. Oweis (Eds). 2012. Integrated watershed management in the upper catchments of Karkheh River Basin of Iran. CPWF Karkheh River Basin.Research Report no. 12, **ICARDA**, Aleppo, Syria
2. Mansour Moayeri, Hamid **Siadat**, Ebrahim Pazira, Fariborze Abbasi, Fraydoon Kaveh and Theib Y. Oweis. 2011.Assessment of Maize Water Productivity in Southern Parts of the Karkheh River Basin, Iran. **World Applied Sciences Journal** 13 (7): 1586-1594,
3. Absalan, S, Dehghan, E. , Abbasi, F., Heydari, N., H. Farahani,A. Javadi, **Siadat**, H, and T. Oweis. 2007. Evaluation of the Best Management Practices for Improving Water Productivity in the Saline Areas of Lower Karkheh River Basin (KRB). **International Workshop** on Improving Water Productivity and Livelihood Resilience in Karkheh River Basin.10-11 Sep, 2007. Karaj, Iran.
4. -Absalan S, Heydari, N., Abbasi, F, Farahani, H, **Siadat**, H.,and T. Oweis.2007. Determination and evaluation of water productivity in the saline areas of Lower Karkheh River Basin. International Workshop on Improving Water Productivity and Livelihood Resilience in Karkheh River Basin.10-11 Sep, 2007. Karaj, Iran.
5. Tavakoli, A.R., Oweis, T., Ferri, F., Haghghati, A., Belson, V., Pala, M., **Siadat**, H., and Ketata, H., 2005. Supplemental irrigation in Iran: Increasing and stabilizing wheat yield in rainfed highlands. on-farm water husbandry.Research Report Series No.5. 46 pp, ICARDA
6. I. Dordipoura, H. Ghadirib, M. Bybordia , H. **Siadat**, M. J. Malakoutia and J. Husseinb .2004.The use of saline water from the caspian sea for irrigation and barley production in northern iran.isco 2004 - 13th International Soil Conservation Organisation Conference – Brisbane, Australia
7. -Asl,F., Eskandari,I. Zamane,S, Mahmoudi,H.,Rahimzadeh, R.,Ghaffari, A.,**Siadat**, H., Pala, M., and H.Ketata. 2003.Soil fertility management and crop establishment for sustainability of cereal-based cropping systems in the dry highlands of western Iran.In :Abstracts of the "Seventh International Conference

on Development of Dry Lands". Tehran,Iran. 14-17 Sep., 2003.p:14.

8. -Eskandari,I.,Asghari,C., Rahimzadeh,R., Ghaffari,A., **Siadat**, H., Pala, M.,and H.Ketata. 2003.Sustainable soil management for cereal-based cropping systems in the dry highlands of western Iran. In :Abstracts of the "Seventh International Conference on Development of Dry Lands". Tehran,Iran. 14-17 Sep., 2003.p:15.
  9. -**Siadat**,H. 2003. Drought-conscious development plan for Iran. In Proceedings of the "International Workshop on Drought Management Strategies".13-14, July,2003. Tehran. Iran. Iranian National Committee on Irrigation and Drainage. Publication No.79.p:43-47.
  10. -**Siadat**,H. 2002. Irrigation Advisory Services in Iran .FAO.Expert Consultation on Irrigation Advisory Services in The Near East Region.13-16 May.2002. Hammamet, Tunisia. Printed in the Proceedings of "Workshop on Irrigation Advisory and Training Services in the Near East".FAO Regional Office For the N.E.,Cairo.2002.p:37-47.
  11. **Siadat**, H, ( with contributions from K. Shiati). 2001. Overview of drought in I.R.Iran: Impacts, lessons, and recommendations, A report prepared for FAO-IRAN for UNDP Regional Workshop on Drought Mitigation. UNDP-Iran Technical Series 4. Tehran Iran, 28-29 Aug 2001.p: 95-118.
  12. -Samar,S.M., Malakouti,M.J., **Siadat**,H., Sadjadi,A.,and H.Ghafourian 2001.Root partial contact with localized organic matter increased <sup>59</sup>Fe uptake and alleviated lime-induced chlorosis of young apple trees. In: W.J.Horst,et, al .Editors, Food Security and sustainability of agro-eco-systems. 2001.Kluwer Academic Publishers. P:860-861.
  13. -**Siadat**, H, and M.R. Shariati. 2001. Drought in Iran: A country report. Expert Consultation and Workshop on Drought Mitigation for the Near East and the Mediterranean. 27-31 May, 2001. ICARDA/ FAO/EU.Aleppo, Syria.( Not included in the Proceedings, due to late submission).
  14. -**Siadat**,H. 1999.Irrigation in arid and semi-arid zones of Iran: Present status, challenges, and suggestions. In: Proceedings of The International Workshop on "Water Management in Arid Zones".Medenine, Tunisia. Published by The United Nations University. P: 58-71.
  15. -Moameni, A., **Siadat**, H, and M.J. Malakouti. 1999.The extent, distribution, and management of salt-affected soils of Iran. FAO Global Network on Integrated Soil Management for Sustainable Use of the Salt-affected Soils. Menomen, Izmir,Turkey.
  16. -Doroodi, M. S., and **Siadat**, H., and J. Abedi. 1999. Interactive effects of potassium and salinity on yield and nutrient content of wheat. International Symposium on Balanced Fertilization and Crop Response to Potassium. Organized by Soil and Water Research Institute of Iran and International Potash Institute. Tehran,Iran.
  17. -**Siadat**, H,. Malakouti, M.J.,Balali, M.R. 1999. Potassium content of soils in Iran. International Symposium on Balanced Fertilization and Crop Response to Potassium. Organized by Soil and Water Research Institute of Iran and International Potash Institute. Tehran,Iran.
  18. -**Siadat**, H. 1999. Water management in relation to soil fertility: Some experiences in Iran. Regional workshop on Traditional Water Harvesting Systems. Tehran, Iran. Organized by Ministry of Jahade Sazandegi and Iranian National Commission for UNESCO.
  19. -**Siadat**, H. 1998. Iranian agriculture and salinity. In: Proceedings of The
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International Symposium Held in Tehran, Iran, on " New Technologies to Combat Desertification". Published by The United Nations University.P: 10-14.

20. -**Siadat**, H., Bybordi, M., and M.J.Malakouti. 1997. Salt-affected soils of Iran: A country report. International Symposium on Sustainable Management of Salt Affected-soils in The Arid Ecosystem. Cairo, Egypt. Organized by International Soil Science Society and Ain Shams University.
21. -**Siadat**,H., Roozitalab, M.H., Seddigh, H., Ansaripour,E., and Shahrookh Nia.1993.Status of K content in soils, K fertilizers in use and recommendations in Iran. Proceedings of the Regional Symposium on " K Availability of Soils in West Asia and North Africa- Status and Perspectives". Soil and Water research Institute of Iran and International Potash Institute Tehran Iran, June 19-22, 1993. PP: 113-124.
22. -**Siadat**, H.1987.Potentials of supplemental irrigation in Iran. In Proceedings of a workshop on Regional Consultation on Supplemental Irrigation. ICARDA/ FAO, Rabat, Morocco. P: 367-388.
23. -Ghobadian, M., and H. **Siadat**. 1971. Development and utilization of saline soils in Iran. CENTO Seminar on Agricultural Aspects of Arid and Semi-arid Zones. Tehran, Iran.
24. -**Siadat**,H. 1971. Water requirement and irrigation practices in Iran. Report of the FAO/UNDP Regional Seminar on Effective Use of Irrigation Water At the Farm Level. Damascus, Syria. Printed in: Water Use Seminar Damascus.1972. FAO Irrigation and Drainage Paper. No. 13. P: 123-125 and 228-230.
25. -Pohjakas,K. and H. **Siadat**. 1970. Present research and future experimental programs on rice in Iran.. International Rice Commission, 12<sup>th</sup> Session. Tehran, Iran.

### Persian Research Papers and Reports

1. □ Moayeri, M., Pazira, E., **Siadat**, H., Abbasi, F.,and F. Kaveh. 2012. Influence of Planting and Irrigation Management Methods on Maize Water Productivity in a Semiarid Region. Journal of Agricultural Engineering Research.Vol.12,No.4,pp 35-50. (In Persian).
  2. □ Farboodi, M., **Siadat**,H.,Khaksar,H., and V. Yousefabadi. 2009. Effects of different types of salinity on germination indices, growth, and yield of different wheat geno types and Triticale. In "Abstracts. 11th Iranian Soil Sc. Cogress. Soil Management and Food Security. 12-15 July,2009. Gorgan,Iran." P 376 (In Persian).
  3. □ Tashakori, A., Kaveh,F., **Siadat**,H., Abedi, M.J., and I.Pazira. 2003. Impacts of water table depth and groundwater salinity on the yield and yield components of different wheat varieties. Proceedings of the 8th Iranian Soil Science Congress.Rasht, Iran. 31 Aug.-3 Sep., 2003.2nd Vol.p:584-586.
  4. □ Ghanbarpouri,M.A., and H.**Siadat**. 2003. Response of some wheat genotypes to water stress in Iranshahr region.Proceedings of the 8th Iranian Soil Science Congress.31 Aug.-3 Sep., 2003. Rasht, Iran.2nd Vol.p:977-978.
  5. □ **Siadat**,H. and S. Darbandi.2002. Water use efficiency in the production of
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agricultural products. Iranian National Committee on Irrigation and Drainage .Workshop on "A Practical View on Water Management Under Water Scarcity Conditions". 13 June. 2002. Tehran. Iran.

6. □ Asadi,H., M.R.Neishabouri, and H.**Siadat**. 2001.Impact of water stress during different growth stages of wheat and yield-water relationship. A Compendium of Soil And Water Papers. Special Issue on Irrigation.Vol.10.No.12.p:48-56.
  7. □ Ghajar Sepanloo,M.,**Siadat**,H., and A. Saeidi. 2000.Soil water tension impact on yield, proline content, and dry matter redistribution of four wheat cultivars under field conditions. Sixth National Congress on Agronomy and Plant Breeding.Babolsar.Iran.
  8. □ Farboodi,M.,and H.**Siadat**. 2000.Effects of different concentrations of chloride, sulfate,and bicarbonate on germination of 14 wheat genotypes and one triticale variety. Sixth National Congress on Agronomy and Plant Breeding.Babolsar.Iran
  9. □ **Siadat**,H., and S. Saadat Borojeni. 1998.A study on the growth and yield of wheat under saline conditions in farmers' fields. A Compendium of Soil And Water Papers.Vol.12.No.4.p:15-24.
  10. □ Jarrollahi, R., and H.**Siadat**. 1999.A study on some physical properties of calcareous soils in Karaj-Abyek. Soil and Water Research Institute of Iran. Publication No.1067.
  11. □ **Siadat**,H. 1997. Agronomic alternatives for irrigation and drainage problems. Keynote speech. Ninth Seminar of the Iranian National Committee on Irrigation and Drainage.Ministry of Energy. Tehran. Iran.IRNCID publication No 21.p: 380-394.
  12. □ Farshi,A.S., **Siadat**, H.,Shariati, M.R., and R. Jarrollahi. 1996.Results of irrigation research on water requirement of strategic crops of the country. Soil and Water Research Institute of Iran. Publication No.991.
  13. □ Jarrollahi, R., and H.**Siadat**.1996. Final report on investigating soy bean water requirement and irrigation scheduling. Soil and Water Research Institute of Iran. Publication No.989.
  14. □ Ghaemi, M. R., **Siadat**, H., and Z. Hoseini-nejad.1996 Final report on evaluation of drought tolerance of different germplasms of cotton.. Soil and Water Research Institute of Iran. Publication No.978
  15. □ Shariati, M.R. and H.**Siadat**. 1995.Effects of the amount and size of Perlite mixed with soil on water holding capacity. A Compendium of Soil and Water Papers.Vol.10.No.1.p40-45.
  16. □**Siadat**,H, M.R. Ghaemi, and S.Afsah Mahallati. 1995. Effects of amount and interval of irrigation on fruit production and oil content of olive trees. A Compendium of Soil and Water Papers.Vol.10.No.1.p: 29-35.
  17. □**Siadat**,H. 1994.Environmental impacts of irrigation projects: Some warnings and recommendations. First National Congress on Policy Making and Planning for Agricultural Infrastructures( soil and water). Tehran. Iran.
  18. □ Ghaemi, M. R., and H. **Siadat**. 1994. Effects of different soil moisture regimes on cotton yield (final report). Soil and Water Research Institute of Iran. Publication No.936.
  19. □ Ghaemi, M. R., **Siadat**, H., and N. Safaei. 1993. Final report on investigating drought tolerance of 49 wheat germplasms. Soil and Water Research Institute of
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Iran. Publication No.891.

20. □ **Siadat**,H., and D. Lawlor. 1993. Effects of different amounts of water and carbon dioxide concentrations on the growth and yield of wheat..First National Congress on Agronomy and Plant Breeding.Karaj.Iran.
  21. □ **Siadat**,H.1984. Some points on research priorities in irrigation and water resources. National Seminar on Water Saving in Agriculture, Urban use, and Industry. Ministry of Energy.Tehran Iran.
  22. □ **Siadat**,H. 1973. Irrigation research on rice in Rasht Soil and Water Research Station. The second Seminar of the Iranian National Committee on Irrigation and Drainage.Shiraz.Iran.
  23. □ **Siadat**,H. 1976. Evaluation of the actual crop evapotranspiration using soil water potential and studying two plant parametres. The fourth Seminar of the Iranian National Committee on Irrigation and Drainage.Isfahan.Iran.
  24. □ Afsah Mahallati, S., P.J. Slabers, and H.**Siadat**. 1971.Basin irrigation. Soil and Water Research Institute of Iran. Publication No.305.
  25. □ **Siadat**,H. 1971. Irrigation research on rice in Rasht Soil and Water Research Station. The first Seminar of the Iranian National Committee on Irrigation and Drainage.Tehran.Iran.
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