Abdullah S. F. Al-Farraj
Professor of Soil Mineralogy and Chemistry
Soil Sciences Department
College of Food and Agriculture
King Saud University

Education

B.S.: Soil Sciences, King Saud University (1990).
M.S.: Soil Sciences (Mineralogy), King Saud University (1994).
Ph.D.: Soil Sciences (Mineralogy and Chemistry), Colorado State University, USA (2002).

Positions Held

Department of Soil Sciences, King Saud University, "2013", Professor.
Department of Soil Sciences, KSU, "2008- 2013", Associate Professor.
Department of Soil Sciences, KSU, "2002– 2008", Assistant Professor.
Department of Soil Sciences, KSU, "1995-2002". Lecturer.
Department of Soil Sciences, KSU, "1990-1995". Teaching Assistant.

Fields of Interest

- Soil Contamination (Heavy metals).
- Soil Mineralogy (Clay, carbonate and iron oxides minerals).
- Soil Chemistry (Surface chemistry of soil minerals).

Scientific societies and councils

- A member of the Scientific Council of King Saud University (1434 - present).
- A member of the Faculty of Science of Food and Agriculture (1434 - present).
- A member of the Department of Soil Science (1423 - present).
- A member of the Scientific Committee of the Conference on Environment and Mining (2013), Chile.
- Member of the Scientific Committee of the Conference of environmental technologies (2012 m), Riyadh, King Abdulaziz City for Science and Technology.
- A member of the Soil Science Society of America.
- Member of the Saudi agricultural.
- A member of the Egyptian Society of Earth Sciences.
- Member of Technical Committee of EvironMine 2013, Santiago, Chile.
- Member of Soil Science Society of America (1999 -Till now).
- Member of Saudi Society of Agricultural Sciences (SSAS) (2002–Till now).
- Member of Egyptian Society of Soil Sciences (2012-Till now).

Book

Heakal, M.S., S.A. El-Raies, **A.S. Al-Farraj**, and A.S. Mashhady. Coprecipitation of Ca and Mg from a Carbonic System under Atmospheric Conditions. Pp: 97-104. In Global Climate Change and Pedogenic Carbonates. Edited by: Rattan Lal; et al. Lewis publishers. N. Y. USA. 2000.

Publications

Fahad I. Almasoud, Adel R. Usman, **Abdullah S. Al-Farraj.** (2014). Heavy metals in the soils of the Arabian Gulf coast affected by industrial activities:

analysis and assessment using enrichment factor and multivariate analysis. Arabian Journal of Geosciences. XX:XX-XX.

Mansour Alhawas, Mohamed Alwabel, Adel Ghoneim, **Abdullah Alfarraj**, Abdelazeem Sallam. (2013). Remomal of nickel from aqueous solution by low-cost clay adsorbents. Proceedings of the International Academy of Ecology and Environmental Sciences. 3(2):160-169.

Al-Farraj, Abdullah S.; Al-Sewailem, Mohammad; Aly, Anwar; Al-Wabel, Mohamed; El-Maghraby, Sallem. (2013). Assessment and heavy metal behaviors of industrial waste water: A case study of Riyadh city, Saudi Arabia. 3(3):266-277.

Abdullah S. Al-Farraj, Mohammad I. Al-Wabel, Mohamed Hamza El-Saeid, Ahmed H. El-Naggar, and Zaheer Ahmed. Evaluation of Groundwater for Arsenic Contamination Using Hydrogeochemical Properties and Multivariate Statistical Methods in Saudi Arabia

Al-Farraj, A.S., Al-Wabel, M.I., El-Saeid, M.H., and Zaheer Ahmed. (2013). Organochlorine and organophosphorous pesticides identification in arid low organic carbon agricultural soils. Research Journal of Chemistry and Environment.

El-Saeid M. H., Al-Wabel M. I., **Al-Farraj A. S.,** El-Naggar A. H. and Zaheer Ahmed. (2013). Monitoring of organic and contaminants in Soil by MAE and EIGC-MS. Research Journal of Chemistry and Environment.

Al-Shammari N. I.; **A.S. Al-Farraj;** S.E. El – Maghraby. (2012). A Base Line Study For Heavy Metals Concentration In The Soils Around Phosphate Mine At Hazm Al Galamed - Saudi Arabia.

Al-Farraj A.S; Adel R. A. Usmana; Saad H. M. Al Otaibia. (2012). Assessment of heavy metals contamination in soils surrounding a gold mine: comparison of two digestion methods. Chemistry and Ecology.

Al-Farraj AS; Al-Wabel MI; El-Saeid, M H; El-Naggar, AH; Zaheer, A. (2012). Evaluation of Groundwater for Arsenic Contamination Using Hydrogeochemical Properties and Multivariate Statistical Methods in Saudi Arabia. Journal of Chemistry.

Al-Farraj, A.S.; S.E. El – Maghraby; A.Sh. Sallam; M.I. Al-Wabel. (2012). Characteristics of phosphorous sorption by some natural sediments of Saudi Arabi. Bull. Fac. Agric., Cairo Univ.

Al-Farraj, A.S. (2011). Mineralogical Composition of Limestone Rock and Soil from Jubaila Formation. Asian Journal of Earrh Sciences. 4(4):203-213.

Al-Farraj, A.S.; A. Sh. Sallam; A.M. Al-Turki; A.S. Al-Malik; G. Abdel-Nasser. (2012). Land Evaluation for sustainable productivity in the southern Tohama Plains, Saudi Arabia. Bull. Fac. Agric., Cairo Univ.

Al-Wabel, M. I, **Al-Farraj, A. S. (2011).** GREYWATER IMPACT ON SOIL AND LANDSCAPE PLANTS. Egyptian Journal of Soil Science.

M.I. Al-Wabel; W.S. Al Yehya; **A.S. AL-Farraj;** S.E. El-Maghraby. (2011). Characteristics of landfill leachates and bio-solids of municipal solid waste (MSW) in Riyadh City. Journal of the Saudi Society of Agricultural Sciences. 10(20):65-70.

A.Sh. Sallam; M.S. Al-Sewailem; **A.S. Al-Farraj**. (2010). Sorption of Mercury by Palygorskite Clay Mineral. Egypt. J. Soil Sci. 50(2):287-299.

Al-Farraj, A.S.; M.I. Al-Wable; T.S. Al-Shahrani; M. Salim; M.S. Al-Sewailem. (2010). Soil and Plant Contamination with Heavy Metals at Mahad AD Dahab as Effected by the Distance from the Mine Area. Waste Management and the Environment V. 325-336.

Al-Farraj, A.S.**;** T.G. Al-Otabi; and M.I. Al-Wabel. (2009). Accumulation Coefficient and Translocation Factor of Heavy Metals Through *Ochradenus baccatus* Plant Grown on Mining Area at Mahad AD'Dahab, Saudi Arabia. Ecosystems and Sustainable Development VII. 459-468.

Al-Otabi, T.G. and **A.S. Al-Farraj**. (2009). Heavy Metals Accumulation by Ochradenus baccatus Plant Grown on Mining Area at Mahad AD'Dahab, Saudi Arabi. Jouranl of the Saudi Society of Agricultural Sciences. Ecosystems and Sustainable Development. (7):459-468.

Al-Farraj, A.S. (2008). The mineralogy of clay fractions in the soils of the southern region of Jazan, Saudi Arabia. Journal of Agronomy. Pakistan. 7 (2)115-126.

Al-Farraj, A.S. (2007). Forms of Cd, Cu, Pb and Zn in Soil of Mining Area at Mahad AD'Dahab, Saudi Arabia. Egyptian Journal of Applied Sciences. 22: 310-319.

Al-Farraj, A.S. and M.I. Al-Wabel. (2007). Evaluation of soil pollution around Mahad AD'Dahab Mine. Journal of the Saudi Society of Agricultural Sciences. 6 (2):89-106.

Al-Farraj, A.S. and M.I. Al-Wabel. (2007). Heavy metals accumulation of some plant species grown on mining area at Mahad AD'Dahab, Saudi Arabia. Journal of Applied Sciences. 7 (8): 1170-1175.

Al-Farraj, A.S. (2006). Soil Characteristics, amorphous aluminosilicates and free iron oxides as affected by different soil parent materials in south-western region, Saudi Arabia. Mansoura University Journal of Agricultural Sciences. 31(9):6065-6078.

Conference (last three years)

- ✓ WaterMine Solutions, Lima, Peru, 2013.
- ✓ The International Conference on Pollution and Treatment Technology, Sayna, China, 2013.
- ✓ WaterMininn 3rd, Santiago, Chile, 2012.
- ✓ International of Mining History, Johannesburg, South Africa, 2012.
- ✓ CleanMining 9th, Santiago, Chile, 2011.
- ✓ Fifth International of Clay, Budapest, Hungary, 2010.
- ✓ Environment and waste Management, Tallinn, Estonia, 2010.

Training (last three years)

Integrate technology in teaching, King Saud University - Deanship of Skills Development - (17-18/04/1435) (17-18/02/2014 m), ten hours.

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