



**Curriculum Vitae: Assist. Prof. Dr. Mohammed Ali Fayyadh
(Mineralogy and Surface Chemistry, Soil Management, Soil Genesis
and Classification)**

Full name: Mohammed Ali Fayyadh

Surname: Alseen

City and Country of Birth: Nineveh – Iraq

Date of Birth: 1 January, 1969

Gender: Male

Marital Status: Married

Employment:

Teaching staff member, Soil and Water Science Dept., College of Agriculture, Duhok University, Kurdistan region, Iraq (Since 2002 – Continued).

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House No. 8/2/115 M Zerka Street, Malta, Duhok City, Kurdistan Region, Iraq.

Academic Qualification:

Ph. D. Soil Genesis and Classification; Mosul University- Iraq; 2008

M. Sc. Mineralogy; Mosul University- Iraq; 2001

B.Sc. Soil Science; Mosul University- Iraq; 1992

Research Interest:

Mineralogy; Soil Genesis and Morphology; Soil Survey and Classification; Soil Management; and Forest Soil.

Scientific Activities:

1. Head of Scientific Committee in Soil and Water Science Department, College of Agriculture, University of Duhok (2012- 2015).
2. Member of scientific subjects development committee, College of Agriculture, University of Duhok (2011- 2015).
3. Editorial board member of Scientific Journal in Duhok University (2012- 2014).
4. Consultant in Agricultural Consultancy bureau, College of Agriculture, University of Duhok (2016- 2018).
5. Reviewer for Journal of agricultural sciences and technology- USA since 2014 and continue.
6. Reviewer for Soil Science Journal an Interdisciplinary Approach to Soil Research - (USA), 2018.
7. Participating in many scientific committees for discussions M. Sc. and Ph. D. theses.
8. Supervisory for Students of post graduate studies (Graduated five M.Sc. students and two under my supervision one of them Ph.D. student).

Conferences:

Participating in:

1. International Scientific Conference in Egypt (Second conference of the modern techniques in Agriculture 28-30 Oct.2002). Cairo University, Cairo, Egypt
2. Fourth International Scientific Conference of Salah- addin university, Erbil, (18- 20, October, 2011), Erbil, Kurdistan, Iraq.
3. The 1st Scientific Agricultural Conference, (10-12th April, 2012), Duhok University, Kurdistan region, Iraq.
4. The 5th EUROSOIL International Congress, which will be held in Istanbul, Turkey between July 17 - 22, 2016.

5. The 70 International Geological Congress (10-14th April, 2017), Ankara, Turkey.
6. The 8th Geochemistry Symposium (Antalya, Turkey) (May 2nd to May 6th, 2018) (International Scientific Conference).
7. The first International conference on materials engineering and sciences (IconMEAS), Istanbul, Aydin University- Turkey (8- 9/August/ 2018).
8. Participating in the International Multidisciplinary Congress of EUASIA (IMCOFE), (24- 26, April, 2019), Antalya, Turkey (International Conference).
9. International Conference on Food and Agricultural Engineering (ICFAE) Rome, Italy, 2019.
10. The 3rd International Conference on Materials Engineering and Science (IconMEAS 2020). December 28-30, 2020, Kuala Lumpur – Malaysia (On line)

Careers:

1. Head of Soil and Water Sciences Dept., College of Agriculture, University of Duhok (2015- 2018).
2. Member of Agricultural Consultancy Bureau, College of Agriculture, University of Duhok (2011- 2012).
3. Library director in College of Agriculture – University of Duhok Since (2009- 2012)
4. Head of examination committee in College of Agriculture – University of Duhok (2010-2011) and member in this committee 6 years.

Trainings:

1. Training course in Methods of Teaching and Developing of Academic Education (2- 14) Oct. 2004. University of Duhok; College of Basic Education; Kurdistan Region, Iraq.
2. Training course of soil and water science (1 - 29) June 2007. The Egyptian International Center for Agricultural (EICA) Cairo, Egypt.
3. Training about XRD and Chart analysis, Geology Dept., College of Science, Jordan University, Jordan, 2007.
4. Training course in English language for the period from (12/02/2012 to 23/5/ 2012) Training and development center in university of Duhok.
5. Course in English language for the period (20/08/2012 to 28/09/2012) in the center of English studies-Wording- Brighton City- Britain.

Memberships:

1. Member of Kurdistan Universities and Institutes teachers Syndicate (KUIITS).
2. Member of Kurdistan Agricultural engineering Syndicate.

3. Member of Iraq Agricultural engineering Syndicate.

Professional Experience:

1. Good experience in the field of mineralogical analysis and interpretation of XRD charts for specifying minerals and preparation of slides for mineralogical analysis.
2. Teaching Undergraduates Courses in Mineralogy, Soil Management, Forest Soil, Principles of Soil Science, Cartography, Soil Genesis and Classification, Soil Survey & Morphology
3. Working in laboratories of Soil and Water Sciences.
4. Teaching Postgraduates Courses in advance Soil Genesis and Classification, advance Clay Mineralogy, and advance Soil Morphology.

Researches and Publications:

1. M. Sc. Thesis entitle: Study the Effect of Calcium Carbonate on the surfaces and charge properties of selected soils from north of Iraq (2001).
2. Ph.D. Thesis entitled: Characterization and Classification of some Vertisols west of Duhok Governorate (2008).
3. Study the Effect of Calcium Carbonate on the surfaces and charges of the soil in the north of Iraq derivative Research. Second conference of the modern techniques in Agriculture 28-30 Oct.2002. Cairo University, Cairo, Egypt
4. Estimation soil erodibility factor and affecting on the some soil development in Duhok governorate location. Journal of University of Duhok (2011)
5. K- Fertility Evaluation Parameters by using Q/I in Vertisols order of Duhok Governorate, North of Iraq. Fourth International Scientific Conference of Salahaddin University, Erbil, October (18- 20, 2011), Erbil, Kurdistan, Iraq
6. The Relationship between Geo-technical Properties and Cracks of Vertisols in Duhok Governorate, Kurdistan Region, Northern Iraq. Journal of University of Duhok, 2012
7. Study the Physical, Chemical, Mineralogical, and Geo-technical Properties of Soils Used in Pottery Industries, Kurdistan-Iraq Journal of Agricultural Science and Technology A 3. 843-849 earlier title: Journal of Agricultural Science and Technology, ISSN 1939-1250. Volume 3, Number 11, November 2013 (Serial Number 31).
8. Effect of Distances from Different Trees Species on the Properties of Mollic Horizon. Journal of Agricultural Science and Technology A 3 (2013) earlier title: Journal of Agricultural Science and Technology, ISSN 1939-1250. J. Agricultural Sci. and Technology A, USA, Vol. 3, No. 8, 2013.
9. Study The Surface Charges Behavior in Vertisols. Journal of University of Duhok, Vol.15, No.1, 2012 (Special Issue).The 1st Scientific Agricultural Conference, 10-12th April, 2012.
10. Kinetics of Potassium Adsorption and Desorption in some Vertisols of Duhok Governorate , Kurdistan Region, Iraq MAGNT Research Report Vol. 3, pp.118- 124 March issue, 2015.
11. Surface charge properties of the dominant soil orders in northern Iraq. Journal of University of Duhok, Vol. 19, No.1, 2016.

12. Distribution of Soil Iron Oxides along Catena at Two Different Locations, in Erbil Province, Northern Iraq. 2018 IOP Conf. Ser.: Mater. Sci. Eng. 454 012123. This content was downloaded from IP address 212.237.119.58 on 17/12/2018 at 16:33
13. Comparison of Some Soil Quality Indicators of Forest Soils Under Two Different Tree Species. Journal of University of Duhok, Vol. 22, No.2, (Agri. and Vet. Sciences), Pp 133-146, 2019.
14. Influence of different vegetation's on characteristics of Mollisols at North western Iraq. International Journal of Advances in Science Engineering and Technology, ISSN (p): 2321 –8991, ISSN (e): 2321 –9009. Volume-7, Issue-4, Oct.-2019, <http://iraj.in> (International Conference on Food and Agricultural Engineering (ICFAE), Rome, Italy, 20th – 21st August, 2019).
15. Formation and development of vertisols in Selivany plain at Duhok governorate, Kurdistan region, Iraq. Journal of University of Duhok. Vol. 23, No. 2 (Agri. and Vet. Sciences), Pp 246-258, 2020.
16. Genesis, development, and classification for some selected soils at Kurdistan region, North of Iraq. The Iraqi Journal of Agricultural Sciences (TIJAS) Volume 52, Issue 6, 2021.
17. Distribution of total carbonate and iron oxides on catena at Duhok Governorate, Kurdistan Region, Iraq. Materials Today: Proceedings 42 (2021) 2064–2070. 4 March, 2021.
18. Comparison between some physical and chemical properties of Mollisols and Vertisols in Kurdistan region, Iraq, Journal of University of Duhok., Vol. 24, No.1 (Agri. and Vet. Sciences), 2021.

Researches under Publications:

1. Fractionation of total carbonate in selected soils at Kurdistan region, Iraq.
2. Influence of two different tree species on some soil properties, in Duhok province, Kurdistan region, Iraq.
3. Effect of some soil properties on the soil color.
4. Study electricity state of different soil textures under an open and close system.
5. Comparison of surface charges behavior before and after electricity consumption in different soils texture, (Open system).
6. Comparison of surface charges behavior before and after electricity consumption in different soils texture, (Close system).
7. Specify zero point of charges and zero point of titration in different soils texture under electricity consumption conditions.