



Curriculum vitae



Dr. Ammar younis ahmad kashmolah
Department of Soil Sciences and Water Resources, College of
Agriculture and Forestry, University of Mosul, Mosul 41002, Ninawa,
Iraq

ammaryajk60@uomosul.edu.iq

Scopus ID or ORCID ID or Research ID or Publons ID

Academic achievement

Certificate	Specialization	Graduation year	University
B. Sc.	Soil Sciences	1983	Mosul University / College of Agriculture and Forests / Iraq
M.Sc.	Soil chemistry	2003	Mosul University / College of Agriculture and Forests / Iraq
Ph.D.	Soil fertility and plant nutrition	2013	Mosul University / College of Agriculture and Forests / Iraq

field of knowledge and interest

1. Soil fertility and plant nutrition.
2. Soil fertility and plant nutrition.
3. Soil chemistry.
4. Pollution of soil, water and plants.

Scientific and field experiences

- 1- A member of the Iraqi Agricultural Engineers Association since 1984.
- 2- A member of the examination committee for the academic year 2006/2007 according to administrative order 9635 on 12/28/2006.
- 3- A member of the examination committee for the academic year 2007/2008 according to administrative order 23 on 3/1/2008.
- 4- A member of the examination committee for the academic year 2013/2014 according to administrative order 0736 on 3/12/2013.
- 5- A member of the examination committee for the academic year 2013/2014 according to administrative order 23 on 8/7/2017 after the liberation of Mosul.
- 6- Member of the furniture inventory committee in the department for the year 2007.
- 7- Chairman of the Summer Training Committee of the Department of Soil Sciences and Water Resources for the academic year 2017/2018, according to administrative Order 4379 on 6/13/2018.
- 8- Member of the graduate studies committee in the department for the academic year 2019-2020.
- 9- Member of the competitive examination committee 2018-2019, according to administrative order 3785 on May 16, 2018.

- 10- Member of the council of the department of soil sciences and water resources in the academic year 2018-2019.
- 11- Rapporteur of the soil sciences and water resources department council for the period from 8/9/2020 to 7/11/2021.
- 12- Chairman of the department of soil sciences and water resources for the period from 12/7/2021 until now.
- 13- Member of the central examination committee for the academic year 2021/2022 according to administrative order 10918 on 12/23/2021.
- 14- Chairman of the graduate studies committee in the department of soil sciences and water resources for the period from 7/12/2021 until now.
- 15- A member of the central educational guidance committee in the college of agriculture and forestry for the academic year 2022-2023, and the problem is according to administrative order 5813 dated 10/23/2022.
- 16- Member of the preparatory committee for the first university festival for sustainable development at the college of agriculture and forestry, which was held on 3/8/2023.
- 17- Member of the requirements committee for the assessment of the scientific and academic reality in the college of agriculture and forestry within the colleges of agriculture in Iraq, according to administrative order 3116 dated 5/29/2023.
- 18- Member of the preparatory committee for the first mosul international exhibition of agriculture, food, water and livestock at the college of agriculture and forestry for the period from 28-30/5/2023 according to administrative order 2646 dated 4/5/2023.
- 19- Teaching the following practical subjects for preliminary studies (practical principles of soil science, practical fertilizers and fertility, salinity, practical reclamation, practical soil-water relationship, practical plant nutrition) for the period from 2005 to 2012.
- 20- Teaching the following theoretical subjects for primary studies (principles of soil science, fertilizers, soil fertility, soil relationship with water, plants, plant nutrition and fertilizer technologies) for the period from 2013 until now.
- 21- Teaching postgraduate subjects (fertilizers, soil fertility, soil organic matter, foliar nutrition, and nutrient solutions) for a diploma (advanced plant nutrition and bio-fertilization) for a master's degree for the period from 2017 until now.

Appointment

1. Faculty member since 2005.
2. He holds the title of teacher since 2014.
3. Rapporteur for the department of soil sciences and water resources from 9/8/2020 to 12/7/2021.
4. Head of the soil sciences and water resources department from 7/12/2021 until now.

Scientific publications

- 1- **Alobaidy, M. A. J., and Ammar Y. A. K. (2007).** A study of boron adsorption in some soils of Nineveh Governorate. Mesopotamia J. of Agric. Volume (35) Issue (2).
- 2- **Alobaidy, M. A. J., and Ammar Y. A. K. (2007).** Boron desorption in some calcareous soils of Nineveh Governorate / North of Iraq. Volume (35) Issue (3).
- 3- **Kashmola A. Y. A. and Alobaidy, M. A. J. (2007).** Fertilizing sugar beet crop with boron in some calcareous soils in Nineveh governorate / northern Iraq.

Second International Symposium 29-31 October. College of Agriculture / University of Aleppo / Syria.

- 4- **Kashmola A. Y. A. and Alobaidy, M. A. J. (2008).** Boron availability in sugar beet (*Beta vulgaris L*) using various locations in Nineveh Governorate. Mesopotamia J. of Agric. Volume (36) Issue (2). 44-50.
- 5- **Kashmola A. Y. A. and Alobaidy, M. A. J. (2008).** The effect of buffering capacity and boron supply parameter on yield of sugar beet in some calcareous soils / northern Iraq. The First International Agricultural Conference October 13-15. College of Agriculture / University of Aleppo / Syria.
- 6- **Kashmola A. Y. A. (2009).** The effect of boron spray on some productivity parameters of sugar beet crop in some Nineveh Governorate soils. Mesopotamia J. of Agric. Volume (36) Issue (2). 96-102.
- 7- **Al-Niemi, S.N. and A.Y. Kashmola (2012).** Micronutrient concentrations (Zn and Fe) and seed quality of wheat varieties. Al-Anbar J. Agric. Sci. V.:10, No.(2).
- 8- **Al-Niemi, S.N. and A.Y. Kashmola (2012).** Combined effect of zinc and wheat variety on grain content of Zn, Fe, Cu, and Mn grown in dry land farming calcareous soil. Centre of Desert Studies, 2nd scientific conference, 24-26 December.
- 9- Aljumaily A. M. F. and Ammar Y. A. K. (2022). Predictive models building to assess the state of deterioration in the availability of nutrients (N, P and K) in the soil with time by remote sensing data. Neuro Quantology Volume 20, Issue 9, Page 6839-6847.
- 10- Aljumaily A. M. F. and Ammar Y. A. K. (2022). Building predictive models to assess degradation of soil organic matter over time using remote sensing data. Mesopotamia Journal of Agriculture, Vol. 50, No. 4, (19-27).
- 11- Effect of Zinc and Wheat Variety on Grain Content of (Zn, Fe, Cu and Mn) Grown in Calcareous Soil. 4th International Agriculture Conference.

Seminars and conferences

1. The First International Agricultural Conference, October 13-15, 2008. College of Agriculture / University of Aleppo / Syria.
2. The Fifth Scientific Conference of the Faculty of Agriculture / Tikrit University / for the period from 26-27 April 2011.
3. The Seventh Scientific and First International Conference on Agricultural Research / Tikrit University / for the period 10-11 April 2018.
4. 8th Geochemistry symposium 2-6 May 2018 . Antalya, TURKEY.
5. Centre of Desert Studies, 2nd scientific conference, 24-26 December (2012).
6. The Third International Agricultural Conference / College of Agriculture and Forestry / University of Mosul and College of Agricultural Engineering Sciences / University of Duhok for the period 2 - 3 October 2019.
7. The International Symposium (Management and Investment of Arid Zones Soils), Soil Department and Land Reclamation - College of Agriculture - University of

- Aleppo in cooperation with the Arab Center for Studies of Arid Zones and Arid Lands (ACSAD) for the period between 29 - 31/10/2007.
8. The scientific symposium (soil health and how to conserve it) of the Department of Soil Science and Water Resources / College of Agriculture and Forestry on 3/18/2018.
 9. Scientific symposium (modern technologies and applications in horticulture science) of the Department of Horticulture and Garden Engineering / College of Agriculture and Forestry on 4/16/2018.
 10. Participation in a number of virtual seminars and conferences during the Corona pandemic period.
 11. 9th Geochemistry symposium 17-20 October 2022 . Aydin, TURKEY.
 12. The Scientific Symposium (Management of Organic Soil Substance) of the Center for Continuing Education / University of Tikrit in cooperation with the College of Agriculture on 8/26/2022.
 13. The Fourth International Agricultural Conference / College of Agriculture and Forestry / University of Mosul for the period 10-11 January 2023.
 14. Participation in the workshop held by the Department of Animal Production at the College of Agriculture and Forestry, entitled (The way to structure and build a food security system is a national necessity) on 1/3/2023.
 15. Participation in the scientific symposium held by the Al-Kitab University platform for sustainable development, in cooperation with the Ministry of Environment, entitled (Arab climate action between COP27 and COP28) on 3/8/2023.
 16. Participation in the third virtual forum held by the researchers and academics platform - Dispatch and tagged (Effectiveness of Artificial Intelligence Applications in Scientific Research and Education) with three scientific sessions that included nine scientific activities and 7 hours on 3/10/2023.
 17. Participation in the workshop tagged (geographic information systems and their role in forest management) held at the College of Agriculture and Forestry on 3/12/2023.
 18. Participation in the workshop tagged (scientific foundations for calculating fertilizer needs and preparing appropriate recommendations) held at the College of Agriculture and Forestry on 3/23/2023.
 19. Participation in the scientific symposium held by the Center for Continuing Education at Al-Kitab University in cooperation with Al-Kitab University's platform for sustainable development tagged (Information Systems Acquisition and Management Strategy) on 3/29/2023.
 20. Participation in the virtual scientific workshop tagged (comparing the physiological and morphological description of the digestive system of farm animals) on 4/2/2023.
 21. Participation in the workshop tagged (The Azolla plant is a promising fodder source for farm animals) held at the College of Agriculture and Forestry on 4/19/2023.
 22. Participation in the scientific symposium held by the Center for Continuing Education at Al-Kitab University in cooperation with the Al-Kitab University Platform for Sustainable Development on 4/26/2023, which included two lectures, the first entitled (The Role of Universities in Developing Villages Most in Need) and the second entitled (The Colors of Globally Traded Economies When Planning for sustainable development).
 23. Participation in the twelfth virtual scientific session entitled (Childhood is the title of sustainable development) held at the College of Engineering Technology - Al-Kitab University on 5/17/2023.

Supervisor for Students of M.Sc. and Ph.D.

- 1) MIXED CULTIVATION AND ITS EFFECT ON THE GROWTH OF WHEAT, CHICKPEAS AND LENTILS, AND THEIR CONTENT OF IRON AND ZINC ELEMENTS IN CALCAREOUS SOILS / NINEVEH GOVERNORATE. (D. Thesis)
- 2) The effect of the type of agricultural use on the readiness of the nutritional elements NPK for the soils of some agricultural fields in Mosul.
- 3) Building predictive models to study fertility degradation in soils using remote sensing data/ Master thesis/ 2023.
- 4) Effect of adding biochar and levels of compound fertilizer NPK on the growth and yield of maize (*Zea mays* L.) in calcareous soils in northern Iraq/ Master thesis/ 2023.
- 5)

Other Activities

1. Discussion of a master's thesis in the College of Agriculture - University of Tikrit by the student Ahmed Mojil Awad Kloba tagged (the effect of soil content of gypsum, potassium fertilization and zinc nutrition on some characteristics of yellow corn) on 11/30/2020.
2. Discussion of a diploma thesis in the College of Agriculture and Forestry - University of Mosul by the student Ayman Khaled Daoud Suleiman tagged (The effect of fertilization with mineral zinc on some growth indicators of yellow corn varieties in calcareous soil from Nineveh Governorate) on 6/28/2021.
3. Discussion of a master's thesis in the College of Agriculture and Forestry - University of Mosul by student Dawood Salem Fathallah tagged (interference between sulfur and phosphorus in some indicators of growth and yield of the broad bean plant *Vicia Faba* L. in two soils of different textures) on 2/13/2022.
4. Discussion of a master's thesis in the College of Agriculture and Forestry - University of Mosul by the student Adnan Hazem Atallah and tagged (The response of two cultivars of wheat, *Triticum aestivum* L., to fertilization with conventional and nano-phosphorus under different moisture regime in calcareous soil from Nineveh Governorate) on 8/1/2023.
5. Participation in the task of supervising the polling centres for the elections that took place in 2021, commissioned by the High Electoral Commission to supervise university professors over the polling stations.
6. Scientific evaluation of the master's thesis tagged (the effect of potassium fertilization and foliar feeding with iron and zinc on the absorption of nutrients and the growth and yield of maize in gypsum soil) scientifically from the College of Agriculture / University of Tikrit on 8/2/2022.
7. Evaluation of the tagged master's thesis (The effect of adding organic fertilizer and water separator on reducing volatilization of ammonia and the growth and productivity of maize in calcareous soil) scientifically from the College of Agricultural Engineering Sciences / University of Baghdad on 8/28/2022.
8. Evaluation of the master's thesis tagged (the effect of the level and source of silicon fertilizer added on the silicon availability of the plant in the soil and the tolerance of yellow corn to water stress) scientifically from the College of Agricultural Engineering Sciences / University of Baghdad on 10/6/2022.

9. Evaluation of the tagged research (An Innovative System Study for Sustainable Agriculture in the Salinized Lands in the central and southern Iraq without Reclamation or Drainage Processes) presented to the Fourth International Agricultural Conference, held from 10-11/1/2023.
10. Evaluation of the tagged research (The Effect of Temperature and Calcium Chloride Extract on Zinc Desorption in Changed Calcareous Soils) presented to the Fourth International Agricultural Conference, held from 10-11/1/2023.
11. Participation in solving the tagged problem (mechanisms of increasing phosphorus availability in some calcareous soils), which was requested by the Nineveh Agriculture Directorate / Research and Studies Committee on 1/25/2023.
12. Within the activities of cooperation with state departments or civil society institutions, and even at the level of individuals, participating in writing reports on the soil and water examination conducted by the central laboratory in our college and giving appropriate recommendations to deal with these results and effective solutions to overcome their problems.
13. Supervising the seminars of graduate and preliminary studies students, as well as the fourth stage graduation projects.
14. Participation in scientific or educational activities of civil society institutions (primary or secondary schools, agricultural associations, trade unions, ...).
15. Educational or training courses inside and outside higher education institutions (private universities, private companies).

Thanks wrote

1. Thanks and appreciation from the Dean of the College, number 2150 on 3/4/2006.
2. Thanks and appreciation from the Dean of the College, number 9635 on 12/28/2006.
3. Thanks and appreciation t from the Dean of the College, No. 1734 on 3/26/2007.
4. Thanks and appreciation from the Dean of the College, number 6051 on 7/23/2007.
5. Thanks and appreciation from the Dean of the College, number 7593 on 10/17/2007.
6. Thanks and appreciation from the Dean of the College, number 1526 on 3/31/2008
7. Thanks and appreciation from the Dean of the College, number 3718 on 7/21/2008.
8. Thanks and appreciation from the Dean of the College, number 5483 on 10/12/2008.
9. Thanks and appreciation from the Dean of the College, number 7217 on 12/28/2008.
10. Thanks and appreciation from the Dean of the College, number 3886 on 4/2/2014.
11. Thanks and appreciation from the Dean of the College, number 3482 on 4/29/2018
12. Thanks and appreciation t from the Dean of the College, number 8893 on 9/14/2021.
13. Thanks and appreciation from the Dean of the College, number 11025 on 12/29/2021.
14. Thanks and appreciation from the Dean of the College of Agriculture / University of Karbala, Issue No. 106 on 3/6/2022.

15. Thanks and appreciation from the Dean of the College, Issue 2009 on 4/11/2022
16. Thanks and appreciation from the Dean of the College, number 2885 on 6/2/2022.
17. Thanks and appreciation from the Minister of Higher Education and Scientific Research, No. 817 on 6/30/2022.
18. Thanks and appreciation from the Dean of the College, number 6052 on 1/11/2022.
19. Thanks and appreciation from the Dean of the College, number 6151 on 11/7/2022.
20. Thanks and appreciation from the Dean of the College, number 549 on 1/22/2023.
21. Thanks and appreciation from the Dean of the College, number 652 on 1/25/2023.
22. Congratulations from the Minister of Higher Education and Scientific Research, Issue No. 120 on 4/8/2023.
23. Thanks and appreciation from the Minister of Higher Education and Scientific Research, No. 476 on 4/19/2023.