



Curriculum vitae



Dr. Moafak Mahmood Ahmad
 Department of Food Sciences, College of Agriculture and Forestry,
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 Scopus ID or ORCID ID or Research ID or Publons ID

Education

Certificate	Specialization	Graduation year	University
B. Sc.	Food Sciences	1975	Mosul University / College of Agriculture and Forests / Iraq
M.Sc.	Oils and Fats	1979	Mosul University / College of Agriculture and Forests / Iraq
Ph.D.	Food Microbiology (Mycotoxins)	1986	University of Maryland / College of Agriculture / United States of America

Areas of Interest

1. Mycotoxicology
2. Instrumental analysis
3. Food microbiology

Professional Qualification/ Membership/ Affiliation

1. Registered as membership of Agricultural Engineers since 1979.
2. Head of Agricultural Consultant Bauru / College of Agriculture and Forestry / University of Mosul / Iraq, from 2003 to 2008.

Appointment

1. Appoint as Faculty membership since 1979.
3. Appoint as Professor since 2003.
4. Appoint as Dean of college of Agriculture and Forestry from 2003 to 2008 / University of Mosul / Iraq.

Publications

Journals

- 1- Ahmad, K. N. and Ahmad, M. M. (2015). Compositional changes in isoflavones and oligosaccharides in soymilk fermentation by Lactic acid bacteria. *J. Tikrit Univ. Agric. Sci.* 5(2): 53-62.
- 2- Ahmad, M. M. and Majeed, M. A. (2013). Study of some characteristics of bacteriocins produced from locally isolated Lactic acid bacteria. *J. Tikrit Univ. Agric. Sci.* Special issue of the proceedings of the 1st Scientific Conference of Food Sciences. March 19-20, 2013, p. 73-80.
- 3- Ahmad, M. M. (1993). Factors affecting growth and T-2 production by *Fusariums sporotrichoides*. *Mesopotamia J. Agric.* 25(1): 15-23.
- 4- Ahmad, M. M. (2004). Hematology and serum chemistry profile in broiler chicks fed aflatoxins and/or ochratoxin A – containing diet with or without sodium bentonite. *Iraqi J. Agric. Sci.* 5(1): 8-20.
- 5- Ahmad, M. M. and Al-Kassab, A. O. (2010). Genetic improvement of the local *Xanthomonas campestris* isolates to increase xanthan production. The 4th International Conference "Innovation in Food Science and Nutrition: Future Challenges", NRC, Cairo, 27-29 Sept. 2010.
- 6- Ahmad, M. M. and Badawi, A. S. (1993). Antimicrobial activity of butylated hydroxyanisole and butylated hydroxytolouene against *E. coli* and *S. aureus* in synthetic media and in two food systems. *Mesopotamia J. Agric.* 25(1): 25-32.
- 7- Ahmad, M. M. and Doerr, J. A. (1985). Influence of antioxidants on production of aflatoxins. *Poult. Sci.* S645: 51.
- 8- Ahmad, M. M. and Thannoun, A. M. (1992). Effect of aflatoxins of growth rates and weight of livers, kidneys and spleens in growing rats. *Mesopotamia J. Agric.* 24(2): 9-15.
- 9- Ahmad, M. M.; Abdul-Aziz, O. F. and Mohammad, H. S. (2003). Effect of essential oils extracted from some spices and herbs on growth and aflatoxins production by *Aspergillus parasiticus* NRRL 2999. *Iraqi J. Agric. Sci.* 4(3): 5-12.
- 10- Ahmad, M. M.; El-Hakim and Shehata, A. A. Y. (1983). The antioxidant activity of amino acids in two vegetable oils. *J. Am. Oil Chemist's Soc.* 60: 840.
- 11- Ahmad, M. M.; El-Hakim and Shehata, A. A. Y. (1983). The effect of amino acids on the activity of synergists and antioxidants in two vegetable oils. *J. Am. Oil Chemist's Soc.* 60(2): 468.
- 12- Ahmad, M. M.; Mohammad, M. J. and Thalej, K. M. (2008). Study the resistance of some genotypes of storage crops to the growth of *Aspergillus ochraceus* and ochratoxin production. The proceeding of the 4th Agricultural Scientific Conference, Univ. of Tikrit, Iraq, April 29-30, 2008.
- 13- Ahmad, S. O. and Ahmad, M. M. (2003). Destruction of aflatoxins in peanut and corn by microwave oven. *Iraqi J. Agric. Sci.* 4(3): 48-56.
- 14- Ali, M. M.; Ahmad, M. M. and Al-Sawaf, S. D. (2008). Effect of aflatoxins on goat's milk production and its chemical and physical

- composition. 1. Effect on production and chemical composition. Mesopotamia J. Agric. 36(1): 138-148.
- 15-Ahmad, M. M.; Ali, M. M. and Al-Sawaf, S. D. (2008). Effect of aflatoxins on goat's milk production and its chemical and physical composition 2. physical properties. Mesopotamia J. Agric. 36(1): 150-160.
- 16-Al-Jubory, K. M. T. and Ahmad, M. M. (1996). Effect of aflatoxins on growth rate and some organs in male growing rats. Iraqi J. Vet. Sci. 9(3): 57-66.
- 17-Al-Jubory, K. M. T. and Ahmad, M. M. (1996). Effect of cellulose on prevention of aflatoxicosis in male growing rats. Mesopotamia J. Agric. 28(2): 93-97.
- 18-Al-Jubory, K. M. T. and Ahmad, M. M. (1996). Effect of riboflavin on prevention of aflatoxicosis in male growing rats. Mesopotamia J. Agric. 28(2): 89-96.
- 19-Al-Jubory, K. M. T. and Ahmad, M. M. (1996). Interaction between aflatoxins and fats in male growing rats. Mesopotamia J. Agric. 28(2): 83-90.
- 20-Al-Jubory, K. M. T. and Ahmad, M. M. (1996). Interaction between aflatoxins and protein in male growing rats. Iraqi J. Vet. Sci. 9(1): 33-42.
- 21-Al-Jubory, K. M. T.; Ahmad, M. M. and Al-Shahery. (2003). Effect of aflatoxins and fumonisins on immune response in broiler chicks. Iraqi J. Agric. Sci. 4(4): 96-108.
- 22-Al-Sawaf, S. D., Ahmad, M. M. and Ali, M. M. (2010). The use of some adsorbents and chemical materials to reduce aflatoxin M₁ in naturally contaminated goat milk. The 4th International Conference "Innovation in Food Science and Nutrition: Future Challenges", NRC, Cairo, 27-29 Sept. 2010.
- 23-Hmood, R. M.; Ahmad, M. M. and Thalej, K. M. (2019). Effect of addition of some types of lactic acid bacteria and pathogenic bacteria to wheat flour and oat in backing tests. J. College of Basic Education J. Researches 15(4): 2955.
- 24-Hmood, R. M.; Ahmad, M. M. and Thalej, K. M. (2019). Effect of some types of lactic acid bacteria and pathogenic bacteria in the properties of wheat and oat dough. J. College of Basic Education Researches. 16(1): 2801.
- 25-Jafar, N. B. and Ahmad, M. M. (2014). Production of the microbial gellan by *Sphingomonas paucimobilis* bacteria. 1. Optimization of the physical cultural conditions. Mesopotamia J. Agric. 45: 211-220.
- 26-Jafar, N. B. and Ahmad, M. M. (2014). Production of the microbial gellan by *Sphingomonas paucimobilis* bacteria. 2. Optimization of growth cultural conditions. Mesopotamia J. Agric. 45: 221-233 .
- 27-Jafar, N. B. and Ahmad, M. M. (2019). Genetic improvement of *Sphingomonas paucimobilis* bacteria to increase its jellan production and viscosity improvement. Mesopotamia J. Agric. 47 (Supplement) I,

- 2019 Proceedings of the 3rd International Agric. Conference, College of Agric. And Forestry, Univ. of Mosul and College of Agric. Engineering Sciences, Univ. of Duhok 2-3 October 2019.
- 28-Kocha, A.O. and Ahmad, M. M. (2005). Xanthan production by the wild type bacteria *Xanthomonas campestris* and study of production conditions. *Mesopotamia J. Agric.* 33: 42-55.
- 29-Majeed, M. A. and Ahmad, M. M. (2013). Study of some factors affecting the growth of Lactic acid bacteria and bacteriocin production. *J. Tikrit Univ Agric Sci. Special issue of the proceedings of the 1st Scientific Conference of Food Sciences.* March 19-20, 2013, p. 23-30.
- 30-Majeed, M. A. and Ahmad, M. M. (2013). The inhibitory activity of the bacteriocins produced by *Lactobacillus* bacteria on microbial growth in some foods. *J. Tikrit Univ Agric Sci. Special issue of the proceedings of the 1st Scientific Conference of Food Sciences.* March 19-20, 2013, p. 31-38.
- 31-Mohammad, M. J.; Ahmad, M. M. and Thalej, K. M. (2008). Study the resistance of some genotypes of storage crops to the growth of *Aspergillus parasiticus* and mycotoxin production. *The 4th Scientific Educational Conference for the College of Girls, Univ. of Tikrit, Iraq,* March 17-18, 2008.
- 32-Thalej, K. M.; Ahmad, M. M. and Al-Wezy, K. M. (2010). The correlation between concentration of aflatoxins and ochratoxin A and tumor patients cases in Ninawa province. *Tikrit J. Pharmaceutical Sci.* 6 (2): 94-101.
- 33-Thalej, K. M.; Al-Shahery, M. N. and Ahmad, M. M. (2006). The effect of aflatoxins and ochratoxin A on blood chemistry and cellular immune response in broiler chicks. *J. Tikrit Univ. Agric. Sci.* 6(1): 211-221.
- 34-Thannoun, A. M. and Ahmad, M. M. (1992). Effect of aflatoxins on the utilization of protein in growing rats. *Mesopotamia J. Agric.* 24: 11-16.
- 35-Yahya, B. A. and Ahmad, M. M. (2002). Production, characterization and immobilization of naringinase from *Aspergillus niger*. *Iraqi J. Agric. Sci.* 3(3): 29-36.
- 36-Yahya, B. A. and Ahmad, M. M. (2003). Effect of citric acid, glucose, fructose and rhamnose on the activity of free and immobilized naringinase from *Aspergillus niger*. *Iraqi J. Agric. Sci.* 4(1): 79-86.

Conference Proceedings

- 1- Conference of the Institute of Food Technologists, Dallas, USA, 1986.
- 2- The 1st Scientific Conference of Food Sciences. College of Agriculture, Univ. of Tikrit. Iraq. March 19-20, 2013.
- 3- The 4th Agricultural Scientific Conference. College of Agriculture, Univ. of Tikrit, Iraq, April 29-30, 2008.
- 4- The 4th Scientific Educational Conference for the College of Girls, Univ. of Tikrit, Iraq, March 17-18, 2008.

- 5- The 3rd International Agric. Conference, College of Agric. and Forestry, Univ. of Mosul and College of Agric. Engineering Sciences, Univ. of Duhok 2-3 October 2019.
- 6- The 4th International Conference "Innovation in Food Science and Nutrition: Future Challenges", NRC, Cairo, Egypt. 27-29 Sept. 2010.
- 7- Joint conference on agriculture between Univ. of Mosul and Aleppo Univ. held in Aleppo, Syria. 2008.
- 8- Food Sciences Conference, College of Agriculture, Univ. of Basra, Iraq. 2001.

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

	Title	Name	Year	Degree
1	Interaction Between Aflatoxins and Some Nutrients in Growing Rats	Karkaz M. Thalij Al- Jbory	1994	M.Sc.
2	Isolation and Immobilization of Naringinase From <i>Aspergillus niger</i> and Using It in Bitterness Removal From Grapefruit Juice	Bayda A. Yahya	1992	Ph.D.
3	Destruction of Aflatoxins B1 and G1 in Corn and Peanuts Using Ammonia and Microwave Oven	Salah O. Ahmad	2000	Ph.D.
4	Effect of Aflatoxins and Fumonisin in Some Bio-Parameters of Growing Chicks and the Role of Sodium Bentonite in Reducing It.	Karkaz M. Thalij Al- Jbory	2002	Ph.D.
5	Production of the Polysaccharide (Xanthan) by Wild Isolates and Mutated <i>Xanthomonas campestris</i> and Studying the Most Important Conditions For Its Production	Abdul- Jabbar O. Kocha	2004	Ph.D.
6	Activity of Bacteriocin Produced From Two Isolates of Lactobacillus in the Inhibition of Microbial Growth in Culture Media and Some Foods	Muazaz A. M. Al- Abdely	2005	Ph.D.
7	Study of Resistance of Some Stored Field Crop Genotypes to Growth of Some Fungi and Production of Mycotoxins	Mohammad J. Mohammad	2006	M.Sc.

8	Effect of Aflatoxins on Quantity and Composition of Goat Milk and the Use of Some Physical and Chemical Methods to Reduced It	Sana D. Al-Sawaf	2007	Ph.D.
9	Determination of Optimum Conditions For Production of polysaccharide Gellan by <i>Sphingomonas paucimobilis</i> bacteria and Study of Physico-Chemical and Rheological Properties	Nihan B. Jafar	2013	Ph.D.
10	Activity of Lactic Acid Bacteria in Levels of Mycotoxins and Unwanted Compounds in Goat and Soya milk	Khalaf N. Ahmad	2016	M.Sc.
11	Occurrence of Some Mycotoxins and Their Metabolites in Human Milk in Relation to Dietary Intake in Mosul City	Hajer T. Ibrahim	2017	M.Sc.
12	Effect of Some Types of Lactic Acid Bacteria on Quality of Bread Produced From the Composite of Wheat and Oats	Riyadh M. H. Al-Sabawy	2019	Ph.D.

Certificates of Appreciation

Certificates from:

- 1- Training on Vis/Uv spectrophotometers at PYE Unicam-Philips Company, Cambridge. UK. 1989.
- 1- Professional Academic Workshops organized by the AHEAD project on Agricultural Sciences according to the Univ. of Hawaii – Iraq partnership for revitalizing Agricultural Higher Education and Development held at:
 - i- University of Jordan, Amman Jordan. 2004.
 - ii- ICARDA, Aleppo, Syria. 2005.
 - iii- American University in Beirut, Lebanon. 2005.

Other Activities

Workshops and Trainings

- 2- Training on Vis/Uv spectrophotometers at PYE Unicam-Philips Company, Cambridge. UK. 1989.
- 3- Workshops on strategic planning of Food Science Departments according to the Univ. of Hawaii – Iraq partnership for revitalizing Agricultural Higher Education and Development held at:
 - i- University of Jordan, Amman Jordan. 2004.
 - ii- ICARDA, Aleppo, Syria. 2005.
 - iii- American University in Beirut, Lebanon. 2005.

- 4- Workshop on Agriculture in Iraq, sponsored by University of Texas, Amman, Jordan.2005.