

AZERBAIJAN STATE AGRARIAN UNIVERSITY

Name: Gurban

Surname: Mammadov

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Faculty: Agronomy

Department: Crop Science



EDUCATION, ACADEMIC DEGREE VƏ ACADEMIC TITLES

1967-1972. Agronomy faculty, Azerbaijan Agricultural Institute.

1976-1979. Post-graduate at Moscow Agricultural Academy named after K.A. Timiryazev.

1979 – Defended PhD thesis on “Modeling simbiotik associations of legume nodule bacteria *Rhizobium meliloti* (by example of infected callus of alfalfa root)” and got scientific degree of PhD in Biology, Moscow.

1994 – present. Associate professor at ADAU on “Crop Science” major.

EMPLOYMENT

1979-1983. Junior and senior researcher at Azerbaijan Research Institute of Cotton Growing (ARICG).

1983-1988. Senior researcher at ARICG and lecturer at ADAU on “Plant physiology” course.

1989-1994. Assistant professor at “Crop Science” department of ADAU.

1994 – present. Associate professor at “Crop Science” department of ADAU.

2006 – present. Contributing editor of “Organic Agriculture” journal.

2005-2011. Agricultural expert (describing bank services to farmers, rendering the services of development of business plans, farm analysis, financial projections). Amin Credit Union LLC. Ganja, Azerbaijan.

2009 – present. Chief of Crop Science and Plant Protection department of ADAU.

RESEARCH AREA

Management of technological measures to increase the productivity of field crops due to the resistance to extreme conditions.

PARTICIPATIONS IN THE INTERNATIONAL SEMINARS, SYMPOSIUMS AND CONFERENCES

July 5, 2002 Participated in the practical seminar "Adaptation of small business to the tax legislation of the Republic of Azerbaijan" by the law firm "Kron Co LTD" with the financial support of USAID. Ganja, Azerbaijan.

2002, July 8-29. Graduated from the training course "Ecological agriculture and its principles", organized by the Biological Farming Association ELKANA. Tbilisi, Georgia.

2004, June 14-17. International Caucasus Conference on Cereals and Legumes. Tbilisi, Georgia.

2004, April 20-21. Completed a training program on "Local Environmental Planning" (Local Environmental Action Plan - MPDOOS). REM / Caucasus, Tbilisi, Georgia.

2005, 27-30 June. He completed the training course "Express method for soil and plant analysis". The training course was organized by GTZ and Weihenstephan-Triesdorf University. Ganja, Azerbaijan.

25.09.2006-02.10.2006. He participated in the international course on "Ecological Agriculture". The course is organized by Biological Farming Association ELKANA. Tbilisi, Georgia.

2007, 26 Nov.-1 Dec. Graduated from "Environmental Marketing" training. Organized by the Agrolink Association in cooperation with the Avalon Foundation. TMF was funded by the Dutch Ministry of Foreign Affairs as part of the Avalon project. Sofia, Bulgaria.

July 3, 2008. He completed a training course on "Green Package". Regional Ecological Center and DUU Public Union.

21-22 May 2010 Application of innovative technologies in the agricultural education system and forms of international cooperation. International Scientific-Practical Conference. Ganja.

03-05 October 2011 Problems of development of education and science in the context of globalization. Theses of the international scientific-practical conference. Ganja.

November 23-24, 2012 International criteria in the renewal and development of education: price, value and quality in the credit system INTERNATIONAL SYMPOSIUM, Ganja, Azerbaijan

22-24 September 2014. Modern Agrarian Science: Actual Problems and Development Prospects of the Century in the Context of Globalization International Scientific-Practical Conference Ganja, Azerbaijan,

2014, October 14-23. He participated in the conference "5th Turkey Seed Congress - Business Forum". Organized by the Faculty of Agronomy, University of Dicle. Diyarbakir, Turkey.

2015, October 23-24, International Scientific-Practical Conference "Innovative development of agricultural science and education: world experience and modern priorities". Ganja, Azerbaijan.

2016, 03-04 October. 8th International Scientific-Practical Conference "International cooperation in the development of agricultural science, food security and environmental protection". Ganja, Azerbaijan.

ARTICLES AND SCIENTIFIC WORKS

Author of 212 scientific works (including: 5 recommendations, 31 programs, 1 textbook, 3 textbooks and 4 methodical aids).

1. Mamedov K.Y., Khailova GF, Shilnikova VK, Ilyasova VB - Symbiotic association of callus roots of alfalfa with Rh. Meliloti. Izvestia TSHA, Moscow, № 4, 1977, p. 18-22, (in Russian).

2. Mamedov K.Y., Shilnikova VK, Maryenko VG - Localization of cytokinins in the laryngeal system inoculated alfalfa. Izvestia TSHA, Moscow, № 2, 1978, p. 21-24, (in Russian).

3. Mamedov K.Y., Khailova GF, Shilnikova VK - Influence of the character of interrelated associations of calluses with alfalfa with Rh. Meliloti. In the collection. Microbiological processes in the soil and fertility of agricultural crops. Vilnius, 1978, p. 214, (in Russian).

4. Mamedov K.Y., Shilnikova VK, Khailova GF, - Resilience of Rizobium meliloti in callus tissues of alfalfa roots. Izvestia AN SSSR seriya biolo., Moscow, № 5, 1978, p. 778-780, (in Russian).

5. Mamedov K.Y., Shilnikova V. K. Khailova GF, - Interaction of Rizobium meliloti cells with cadmium of alfalfa roots. Izvestia AN SSSR, seria biol., Moscow, № 6, 1978, p. 849-855, (in Russian).
6. Mamedov K.Y., - Modeling of symbiotic association of club-bearing bacteria - bean plant (on the example of infected calluses of alfalfa roots). Author's abstract of the dissertation for the degree of Candidate of Biological Sciences. Moscow, 1979, Izd. TSHA, p.1-16. (in Russian).
7. Mamedov K.Y., Khailova GF, Shilnikova VK - Features of the formation and function of nitrogen-fixing cultures of root corn alfalfa c Rh. meliloti. Izvestia AN SSSR, Journal, Physiology of Plants, Moscow, Tom 26, № 5, 1979, p. 1103-1109, (in Russian).
8. Mamedov K.Y., Ibragimov RM, Rzaeva TS - Influence of minimal treatment of soil on the viability of microorganisms. Journal of Cotton Growing, Moscow, № 4, 1984, p.38, (in Russian).
9. Mamedov K.Y., Abbasov MG - Microbiological changes in the soil in connection with processing. Journal of Agriculture, Moscow. № 4, 1985 p. 46-47, (in Russian).
10. Mamedov K.Y., Ibragimova RM, Rzaeva TS - Activity of microorganisms. Journal of Cotton Growing, Moscow, № 8, 1985, p. 16-17, (in Russian).
11. Mamedov K.Y., Kadymov OM, Rzaeva TS - The activity of microbiological processes in the soil under the predecessors of cotton. Journal of Agriculture, Moscow, № 9, 1985, p. 33, (in Russian).
12. Mamedov K.Y., Khailova GF, Strogonov BP - A comparative study of the solubility of industrial and spontaneous strains of alfalfa and alfalfa plants. In kn. "Physiological and biochemical basis of plant solubility". Fast. doc. IV All-Union. symposium. r. Tashkent, September 17-19, 1986, p.110, (in Russian).
13. Mamedov K.Y. - Changing the activity of microorganisms while minimizing the processing time of soil. Thesis. doc. III All-Union. Scientific Conference, Microorganisms in Agriculture Moscow, December 23-25, 1986, p. 28, (in Russian).
14. Mamedov K.Y., Zaitsev VS, Abbasov MG - Technology of minimization of soil treatment and tractor operations during the period of care for the weed. NGO Soyuz is a short-lived science. Cotton report (1981-1985). Tashkent, 1988, p. 388-389, (in Russian).
15. Mamedov K.Y., Rzaeva IS, Seyidova BM - Influence of mixed plantings of forage crops on fertility and biological activity of chestnut soil. Journal of Agrochemistry, Moscow, № 11, 1988, p. 84-89, (in Russian).
16. Mamedov K.Y., Abbasov MG - Processing of serous-meadow soil and its microflora. Journal of Agriculture, Moscow, № 6, 1990, p. 46, (in Russian).
17. Mamedov K.Y., Ragimov RR - Influence of early doses of nitrogen and inhibitors of nitrification of CMP on the crop cotton-cheese. Journal of Agrarian Science of Azerbaijan, Baku, № 4-5, 1992, p. 32-34, (in Russian).
18. Mammadov Q.Y., Khudiyev AP - Increasing the productivity of corn sorghum crops by optimizing some agro-technical measures. ANAS, Ganja Regional Scientific Center, "News" collection, № 3, Ganja, 2002, p. 62-64, (in the Azerbaijani language).
19. Mammadov GY, Bashirov VV - Importance and perspectives of biological agriculture. "Ana Kur" Scientific literary magazine., Ganja, № 3 (6), 2003, p.14-20. (in Azerbaijani).
20. Mammadov GY, Bashirov VV - Increasing the productivity of ecologically pure wheat. "Ana Kur" Scientific literary literary magazine., Ganja, № 4 (7), 2003, p.73-75, (in Azerbaijani).
21. Mammadov Q.Y., Khudiyev AP, Khudiyev A.A. - The effect of optimal cultivation methods on the quantity, quality and economic efficiency of sunflower products. EA, Ganja Regiment. Scientific Center, "News" collection, № 23, Ganja, 2006, p. 98 - 100, (in Azerbaijani language).
22. Mammadov Q.Y. - Green fertilizers are a powerful tool in increasing soil fertility. Journal Ecological K / t, GABA Publishing House, № 7, Ganja, 2006, p. 8, (in Azerbaijani language).
23. Mammadov Q.Y. - The role of molecular nitrogen in agricultural production. Journal Ecological K / t, GABA Publishing House, № 8, Ganja. 2006, p. 7, (in the Azerbaijani language).
24. Mammadov Q.Y. - Features of feed production in ecological farms. Journal Ecological K / t,

- GABA Publishing House, № 9, Ganja, 2006, p. 7 - 8, (in Azerbaijani language).
25. Mammadov Q.Y., Behbudova SP, Ismayilov M, M., Avazov A.Sh. - Methodical aids on implementation of laboratory-practical lessons on the subject of plant growing (stamped). AKTA Publishing House, Ganja, 2006, p. 1 - 97, (in Azerbaijani language).
 26. Mammadov Q.Y. - Technology of cultivation of mixed crops. Journal Ecological K / t, GABA Publishing House, № 4, Ganja, 2007. p. 7-8, (in te Azerbaijani language).
 27. Mammadov Q.Y. - The importance of green manures in the ecological farming system. Jur. Ecological K / t, GABA Publishing House, № 8, Ganja, 2007, p. 7-8
 28. Mammadov Q.Y. - Feed rotations in ecological farms. Journal Ecological K / t, GABA Publishing House, № 11, Ganja, 2008, p. 8-9
 29. Mammadov GY - Plant living conditions and methods of its optimization. Journal Ecological K / t, GABA Publishing House, №1-3, Ganja, 2009, p.7-8, (in Azerbaijani).
 30. Mammadov Q.Y. - Soybean is a source of organic fertilizer and an invaluable predecessor. International scientific-practical conference. Publishing house of ADAU, Ganja, May 21-22, 2010, p.111-112, (in Azerbaijani language).
 31. Mammadov Q.Y., Ismayilov MM - Cereals and legumes (textbook), ADAU Publishing House, Ganja, 2010, p. 1 - 110, (in Azerbaijani language).
 32. Mammadov Q.Y., Ismayilov MM - Buckwheat (methodical aids), ADAU Publishing House, Ganja, 2010, p. 1 - 36, (in te Azerbaijani language).
 33. Mammadov GY, - Problems of ecological agriculture in Azerbaijan. Annals of Agrarian Science, 2010, Volume 3, № 2. Pages 60-63, (co-author, in Russian).
 34. Mammadov Q.Y., Ismayilzada N.N. - Determination of economic-harmful limit of *Homoesoma nebulella* in Azerbaijan. Problems of development of education and science in the context of globalization. Theses of the international scientific-practical conference. Ganja - October 3-05, 2011, pages 52-54, (in Azerbaijani language).
 35. Mammadov QY, Jafarov YM, Ismayilov MM - A new rating system for assessing student achievement. International criteria in the renewal and development of education: price, value and quality in the credit system INTERNATIONAL SYMPOSIUM, (November 23-24, 2012), p. 234-235 Ganja, Azerbaijan
 36. Mammadov Q.Y., Ismayilov MM - Crop production (textbook), Baku, "East-West" publishing house, 2012, 356 p., (in Azerbaijani language).
 37. Mammadov QY, Khudiyev AP, Huseynov AR - Ways to increase the productivity and feed value of corn crops. Ganja RSM of ANAS, "News bulletin" № 46, Ganja, 2012, p. 104-107, (in the Azerbaijani language).
 38. Mammadov GY, Humbatov HS - The effect of sowing time and method on the growth dynamics of sunflower. Journal of scientific works of ADAU, Ganja, 2013, № 3, p. 51-53, (in Azerbaijani language).
 39. Mammadov Q.Y., Khalilov X.Q. - Optimization of agro-technical measures to increase corn productivity. Modern Agrarian Science: Actual Problems and Development Prospects of the Century in the Context of Globalization International Scientific-Practical Conference 22-24 September 2014. Volume I, p. 170-172. Ganja, Azerbaijan, (in Azerbaijani language).
 40. Jan Mulder, Vugar Bashirov, Arne Oddvar Skjelvag, Gurban Mammadov, Vegard Martinsen, Erling Thuen, Khasafat Safarov, Asgeir Almas. - Education and Research in Sustainable Agriculture: Academic Partnership Between Azerbaijan and Norway / International Scientific-Practical Conference "Modern Agricultural Science: Current Problems and Prospects of the Century in Conditions of Globalization" dedicated to the 85th Anniversary of Azerbaijan State Agricultural University. 22-24 Sept, 2014, Vol. 1. pp. 19-21 Ganja, Azerbaijan. (in English).
 41. Mammadov GY, Humbatov HS - Influence of sowing period and method on growth dynamics of sunflower plant. Journal of scientific works of ADAU, Ganja, 2013, № 3. p. 51-53, (in the Azerbaijani language).
 42. Mammadov Q.Y., Jafarov YM - Program on the subject "Physiology of fungi" for master's degree in higher education Specialization: 060505 - Mycology, Publishing House of ADAU,

Ganja, 2014, p. 1 - 16, (in Azerbaijani language).

43. Mammadov Q.Y., Bashirov V.V. - Program for bachelor's degree in "Plant Ecology" (stamped), ADAU Publishing House, Ganja, 2015, pp.1 - 10, (in Azerbaijani).

44. Mammadov Q.Y., Bashirov V.V. - Program for master's level of education on the subject "Environmental factors in crop production, its application in modeling" (stamped), ADAU Publishing House, Ganja, 2015, p. 1 - 11, (in Azerbaijani language).

45. Mammadov GY, Bashirov VV - Program for master's level of education on the subject "Systematic approach to sustainable agriculture" (stamped), ADAU Publishing House, Ganja, 2015, p. 1 - 11, (in Azerbaijani language).

46. Mammadov GY, Bashirov VV - Program for master's level of education on the subject "Scientific research methods and innovations in the design of experiments" (stamped), ADAU Publishing House, Ganja, 2015, p. 1 - 11, (in Azerbaijani language).

47. Mammadov Q.Y., Bashirov V.V. - The effect of minimum cultivation and sowing technology on the yield of autumn wheat. Publishing house of ADAU, Ganja, 2016, p. 58 - 62, (in Azerbaijani language).

48. Mammadov Q.Y., Humbatov H.S., Huseynov A.R. - Program on the subject "Field and meadow fodder production" on the master's level of higher education, ADAU Publishing House, Ganja, 2017, p. 1 - 12, (in the Azerbaijani language).

49. Mammadov Q.Y., Khalilov H.Q., Humbatov H.S. - Program on the subject of "Technical Plants" at the master's level of higher education. Publishing house of ADAU, Ganja, 2017, p. 1 - 11, (in Azerbaijani language).

50. Mammadov GY, Bashirov VV - Program for master's level of education on the subject "Systematic approach to sustainable agriculture" (stamped), ADAU Publishing House, Ganja, 2015, p. 1 - 11, (in Azerbaijani language).

51. Mammadov GY, Bashirov VV - Program for master's level of education on the subject "Scientific research methods and innovations in the design of experiments" (stamped), ADAU Publishing House, Ganja, 2015, p. 1 - 11, (in Azerbaijani language).

52. Mammadov G.Y., Khalilov H.Q., Humbatov H.S.- on the subject "Technology of tobacco cultivation" on the master's level of higher education, ADAU Publishing House, Ganja, 2017, p. 1- 8, (in Azerbaijani language).

53. Mammadov Q.Y., Khalilov H.Q., Humbatov H.S. - Program on the subject "Cotton" on the bachelor's level of higher education, ADAU Publishing House, Ganja, 2017, p. 1 - 11, (in Azerbaijani language).

54. Mammadov G.Y., Humbatov H.S., Bashirov V.V. - The effect of sowing method and plant density on the development dynamics, quality and economic efficiency of sugar beet. Ganja branch of ANAS News bulletin № 1 (71), Elm publishing house, Ganja, 2018, p. 221-228, (in Azerbaijani).

55. Mammadov G.Y., Bashirov V.V. - Methodical instructions for the implementation of "Course work" on the subject of crop production technology at the bachelor's level of higher education. Publishing house of ADAU, Ganja, 2018, p. 1 - 21, (in the Azerbaijani language).

56. Mammadov Q.Y., Jafarov IH, Babayev Sh.M. - Development and research of a combined method for the production of sowing material from fibrous cotton stalks. Scientific Works of ADAU, Ganja, 2018, № 2, p. 4-8, (in Azerbaijani language).

57. Mammadov G.Y., Huseynov M.C., Gasimov A.M., Salahov E.A.-Economic assessment of opportunities to increase local production of sugar beet. Innovative economy and management, Ganja-2018, ISSN 2616-8626, № 11 (2), p.13-23, (in Azerbaijani).

58. Mammadov QY, Mammadova AS, Asgarov RM - Tobacco cultivation technology (recommended), ADAU Publishing House, Ganja, 2019, pp.1-75, (in Azerbaijani).

59. Mammadov Q.Y., Mammadov V.A. - The effect of sowing times on the structural elements of the corn plant, the dynamics of accumulation of wet and dry mass. Ganja branch of ANAS News bulletin № 2 (76), Elm publishing house, Ganja, 2019, p. 113-117, (in Azerbaijani language).

60. Mammadov Q.Y., Ismayilov MM - Laboratory classes on plant growing (textbook), "Impulse LTD" publishing house, Baku, 2020, 405 p., (in Azerbaijani language).
61. Mammadov Q.Y., Humbatov H.S., Huseynov A.R., Mammadov V.A. - Feeding (textbook), Ganja, "Star", 2020, 480 p., (in Azerbaijani).

LANGUAGE SKILLS

Turkish Intermediate

English Elementary

Russian Advanced

Other -