

## **AZERBAIJAN STATE AGRICULTURAL UNIVERSITY**

**Name:** Jamaladdin

**Surname:** Mammadov

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**Faculty:** Engineering

**Department:** Technical Mechanics and Graphics



### **EDUCATION, SCIENTIFIC DEGREES AND SCIENTIFIC NAMES**

1979, - graduated from the faculty of Engineering of the Azerbaijan Agricultural Institute (now Azerbaijan State Agrarian University).

1987, - defended his dissertation and received a Ph. D. in engineering.

Since 1991, - associate professor.

2013, - defended doctoral dissertation and received the degree of Doctor of Technical Sciences.

Since 2018, - has been working as a professor.

### **EMPLOYMENT**

1979-1988, junior lecturer of the department of Theoretical Mechanics, MMN, and Machine Parts of the Faculty of Agricultural Mechanization

1988-1990 senior lecturer of the department of Machine Parts

1990-2013 associate professor of the department of Mechanics and Machine Parts

2002-2009, - the dean of the faculty of Engineering.

2011 – 2021 - the dean of the faculty of Engineering.

Since 2022, - has been the head of the department of Technical Mechanics and Graphics

### **RESEARCH AREA**

Planting, cultivation, ecologically clean product production, processing and storage technology of modern orchards in accordance with local natural climate conditions.

## **PARTICIPATION IN INTERNATIONAL SEMINARS, SYMPOSIUMS AND CONFERENCES**

2009 International Conference "A new model of agricultural engineering education". Ganja

2010. International scientific and practical conference "Optimization of walnut shell cleaning". Ganja

2010 "The flow line that cleans the garcinia fruit". Republican scientific and Practical conference. Ganja

2014 "Mechanization of gardens and soil protection factors". International scientific and Practical conference. Ganja

2015 "The creation of agricultural parks in Azerbaijan is a requirement of today". Scientific and practical conference. Ganja

2015 "The year of " Increasing the production of watermelons in Azerbaijan". International scientific and Practical conference. Ganja

2019-development and research of a combined method (AGAU-100) for the production of seed material in cotton growing in Azerbaijan. Scientific and practical conference. Ganja.

2020 - Development of domestic mandatory liquid pesticides and technologies and technical means for agriculture. Ganja International Scientific and Practical Conference

## **SCIENTIFIC WORKS**

- The author of more than 210 scientific works, including 20 inventions, 3 textbooks, 5 teaching aids, 2 methodical aids, and 1 recommendation.

- The supervisor of 5 doctoral students.

The names of some scientific works of the works are presented below:

Engineering and machine graphics. Tutorial. Ganja 2015, 261 p.

Lifting and conveying machines. Teaching aid. Ganja 2016, 184 p.

Lifting and conveying machines. Tutorial. Ganja 2017, 244 p.

Lifting and conveying machines. Tutorial. Baku 2021, 246 p.

"Agrotechnical requirements for mechanizing means of harvesting and primary processing of root crops" Aktau-Publishing House, Ganja 2004, 62 p.

Mechanization of harvesting and post-harvest processing of watermelon fruits" mechanization and electrification. Moscow 2004. No. 63, p. 6-7. (Russia.)

"Inertial and shock-pulse effects on their trunks when collecting rosehip fruits. Mechanization and electrification. Moscow, 2005. No. 9, p. 9-11. (Russia.)

"Modeling of the shaking process using the finite element "fruit-stalk" method in the tree system". Agro-industrial complex of achievements of science and technology. Moscow, January 1, 2005, pp. 39-41. (Russia.)

"Mechanization of blackberry berry cleaning". Agro-industrial complex of achievements of science and technology. Moscow, January 1, 2005, №12, pp. 27-29. (Russia.)

" Shaking machines for the collection of nuts ". Mechanization and Electrification, Moscow 2006, No. 1, p. 5-6. (Russia.)

"Complex machines for the primary processing of nuts". Mechanization and Electrification, Moscow 2006, no. 1, pp. 11-13. (Russia.)

" Technologically complex machines for harvesting and transporting hazelnuts". Scientific and technical achievements. agroindustrial complex. Moscow, January 1, 2006, pp. 44-46. (Russia.)

" Harvesting Greek walnut". Journal of Agricultural Science. Moscow 2006, No. 2, pp. 30-31. (Russia.)

"Complex mechanization of harvesting, transportation and cleaning of nuts". Scientific and technical achievements. agroindustrial complex. Moscow, March 3, 2006, pp. 45-46. (Rus.)

"Waste-free flow technology for transportation and cleaning of nut blanks". Data of Agrarian Science Tbilisi, Tem-4, 2006, No. 3, pp. 61-53.

"Improving the mechanization of watermelon production". Collection of the Ganja Regional Scientific Center of ANAS Ganja Publishing House "Elm", 2011, No. 43, p. 102-105 News

"Justification of the operating parameters of the fruit vibratory loader using improving resources". NANA Collection of news from the Ganja Regional Scientific Center. Ganja: Publishing House " Nauka", 2011, No. 44, pp. 60-66

"Mechanization of nut shell cleaning". Agricultural science. Moscow, 2011, No. 11, pp. 28-29. (Rus.)

T. A. Agabeyli, H. Ya. Guliyeva, D. Tagieva. "Fruit device". Invention 2006 0126, 06.11.2006, 4 p.

K. H. Fataliev, T. A. Aghabeyli, A. T. Aghabeyli "Installation of primary processing of nuts". Invention I 2007 0070 16.04.2007

K. H. Fataliev, T. A. Agabeyli, F. M. Mammadov "Walnut-a method of purification" invention I 20070071, 16.04.2007

K. H. Fataliyev, T. A. Agabeyli, F. M. Mammadov "Installation for primary processing of walnut from shell". Invention 2007 0072, 16. 04. 2007

B. Z. Verdiev, K. I. Khalilov, T. A. Aghabeyli. " Device for primary processing of pomegranate fruits " invention 2009 0149, 2009

Fataliev K. G., Mammadov I. O., Agabeyli T. A., etc. Shredder of segments of branches and stems of annuals. Research Institute of Agromechanics (AZ). Patent No. 2684304, 31 May 2016, 05.04.2019

Abbasov E. A. Mamedov Ya. G. Utility Model Intellectual Property Agency of the Republic of Azerbaijan F20190009, Baku 2019

Nutcracker. Useful model F2021 0026 Baku 2021. Aliyeva R.G. Khalilov R.T.

Universal fodder grinder. Patent No. 2776311 Scientific Research Institute "Agromechanika" (AZ) Russian Federation 18.07.2022. .Fataliyev K.Q., Mamedov I.O., Quliyev Z.B.

Rushnov I. G. Khalilov R. T. Utility model "machine for shredding cut branches" Intellectual Property Agency of the Republic of Azerbaijan F20190010, Baku 2019.

Jamaladin Mammadov, Urfan Taghiyev 'RESOURCE SAVING TECHNOLOGIES IN AGRICULTURE' meets the required scientific qualifications to be published in Vol. 35 (no 7, Year 2020) of 'Ciencia e Tecnica Vitivinicola' journal (ISSN: 2416-3953).

Resources for the constructive-technological improvement of the installation for cracking the hazelnut shell. INTERNAUKA - collection of articles on the materials of the XLVIII International Scientific and Practical Conference of Technical Sciences Problems and Solutions. Moscow 2021 p. 68-75. Alieva R.G.

Innovative technology for storage and processing of food raw materials. Azerbaijan University of Technology, Scientific news, #3 (40) Ganja.2022.p.118-125 ISS#2415-8194. M.H. Jafarov, S.B. Ismayilov et al.

Issledovanie kinetics of the drying process of roasting hazelnut kernels. WORLD OF SCIENCE. Collection of articles and international scientific-practical conference 30 January 2023. V.G.PENZA. Ismailov A.A.

## **LANGUAGE SKILLS**

Turkish

English

Russian

Others