

Abdur-Rahman Awwad AL-Fataftah



Department of Animal Production ♦ Faculty of Agriculture ♦ The University of Jordan ♦ Amman-Jordan
Tel: (+962-6) 5355000/Ext. 22380 (office) ♦ Tel: (+962-6) 5160200, +962795568784 ♦ E-mail: a.fataftah@ju.edu.jo

Personal Info.

Date of Birth: October/10/1948
Nationality: Jordanian
Marital Status :Married, Six Children

Short Profile

Professor of environmental physiology/livestock and poultry production and management in hot climates at the University of Jordan, School of Agriculture, Department of Animal Production. Held the position of Director of Agriculture and Water Sector at the Higher Council for Science and Technology for 5 years. Established and was the director of “Jordan Badia Research and Development Program” at the Council. I was also Head of the Animal Production Department at The University of Jordan. Fields of experience cover: Sustainable Agricultural Systems, Desertification, Dry Land Agriculture, Animal Production Development, Policies and Strategies formulation, Sustainable Agricultural Systems, Human Resources Development, and project management. Has teaching, research, computer, administrative as well as communication skills.

Research Interest

Stress physiology and management with emphasis on heat stress physiology, impacts, and alleviation on farm animals performance.

Climatic and environmental changes (global warming and climate change and its effects on food security).

Current Position

Professor, Department of Animal Production, School of Agriculture, The University of Jordan
Amman, Jordan.

Academic Education

1980

Ph.D. Animal Production/Environmental Physiology, Wye College, University of London, U.K.

Thesis Title: Physiological Acclimatization of the Fowl to High Temperatures

1976

M.Sc. Animal Production, American University of Beirut (AUB), Lebanon.

Thesis Title: Effect of Auromycin on the Performance of Dairy Calves Raised Under Two Indoor Systems

1975

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B.Sc. Animal Production,
American University of Beirut, (AUB), Lebanon.

Professional Experience

Teaching and Research Assistant, Department of Animal Production/AUB 1975-1976

Teaching and Research Assistant, Department of Animal Production/Faculty of Agriculture/The University of Jordan. 1976-1977

Ph. D. Student at the university of London, (Scholarship from the British Council and The University of Jordan) Nov. 1977- Aug. 1980.

Full Lecturer, Department of Animal Production, Faculty of Agriculture, The University of Jordan. 21/9/1980-8/12/1980

Assistant Professor, Department of Animal Production, Faculty of Agriculture, The University of Jordan. 8/12/1980-5/6/1988

Poultry Farm Supervisor. 1980-1982

Head of the Animal Production Department, The University of Jordan. 1984-1985

Associate Professor, Department of Animal Production, Faculty of Agriculture, The University of Jordan. 5 June 1988

Seconded to the Higher Council for Science and Technology (HCST). 1/7/1990-1/7/1995

Director, Agriculture and Water Sector, at The Higher Council for Science and Technology (HCST).

Director, Jordan Badia Research and Development Program/HCST.

Secondment to HCST Ended. 1/7/1995.

Associate professor, Department of Animal Production, Faculty of Agriculture, University of Jordan. 1/7/1995 – 2014.

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Professor, Department of Animal Production, Faculty of Agriculture, University of Jordan. 2014 – present.

Academic Record

Courses Taught

Undergraduate Courses

- Principles of Animal Production
- Animal Production in hot climates
- Seminar in Animal Health
- Farm Animals Environmental Physiology
- Avian Physiology
- Animal Physiology
- Environment of farm animals
- Field Practices in Animal Production (poultry, sheep, goats and dairy cattle)
- Selected Topics in Poultry and Ruminants Production in hot regions
- Seminar in Animal Production
- Poultry Diseases and Parasites
- Research in Animal Production
- Animal behavior science
- Field Training in Animal Production (poultry, sheep, goats and dairy cattle)
- Poultry Production

Postgraduate Courses:

A: Master courses

- Environment and Productivity of Farm Animals
- Farm Animals Behavior

B: PhD courses

- Topics in Farm Animals Environmental Physiology
- Heat Stress Management

Postgraduate (MSc.) Supervision/The University of Jordan

Number	Thesis Title	Student Name	Date
1.	Effect of High Ambient Temperatures on Broiler Breeders and their Egg Hatchability in Jordan	Ayman Al-Salti	1997

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2.	Effect of Heat Stress on Broiler Performance in Jordan	ZiadAbu-Dieyeh	1997
3.	Effect of Ration Composition and Texture on Broiler Chick's Heat Tolerance	Amar Saleh	1997
4.	Some Factors Affecting Hatchability of Broiler Breeders Eggs in Jordan (From egg-laying till hatching)	Rania Qattam	1998
5.	Intermittent Heat Acclimation of Broiler Chickens	AnasAbdelqader	2000
6.	Effect of Some Feed Additives on the Performance of Broiler Chickens Reared under Heat Stress Conditions	HashemTalafha	2001
7.	The Effect of High Environmental Temperatures on Broiler Chickens Carcass Characteristics	Mustfa Ababneh	2001
8.	Effects of Heat Stress on Broiler Chickens Immunity for some common Diseases in Jordan	Osama Dawoud	2007
9.	Effect of Different Energy Levels (Using Plant Dry Fat), and Pelleted Feed on the Performance of Heat Stressed Broiler Chickens	AfraHammad	2011
10.	Effect of Pre-Heat Exposure of Broiler Chickens on Alleviating Heat Stress During Heat Waves in Jordan	MohannadAbuajamieh	2012
11.	Effect of Feed Withdrawal on Alleviating Heat Stress in Broiler Chickens	Nadia Al-Shishani	2012
12.	Effect Of Heat Stress On Intestinal Morphology And Integrity In Broiler Chickens.	Alhanoof Mohammad Abdallah	2016
13.	Enhancement of vitamin D content of chicken meat by exposure to UV radiation.	Farah Mohammad Alwrikat	2017
14.	Effect of Colostrum Milk Powder on Intestinal Health of Heat Stressed Broiler Chickens	Bothina Al-Kawaldeh	2020

Postgraduate (PhD) Supervision/The University of Jordan

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1.	Nutritional strategies to alleviate heat stress in broiler chickens	Osama Daoud	2021
2.	Using Zinc, Betaine and Yeasts Cell-Wall to Combat Heat Stress on Milking Dairy Cattle Performance in an Arid to Semi-Arid Region	Ola Mahasneh	2021-In progress

Committee Member for MSc Thesis Defense

Number	University	Thesis Titles	Student Name	Date
1.	The University of Jordan	COMPARISON OF TWO ESTROUS SYNCHRONIZATION PROTOCOLS ON REPRODUCTIVE PERFORMANCE OF LACTATING DAIRY COWS	Omar Dardas	28/7/2011
2.	The University of Jordan	SURVEY OF FRISIAN DAIRY FARMS IN DULIL AREA IN JORDAN.	Mohammae d Al-Fageer	29/7/2009
3.	The University of Jordan	BIOCONVERSION OF TOMATO POMACE INTO A BROILER FEED HIGH IN PROTEIN AND METABOLIZABLE ENERGY.	Mahmood Abu-Elrob	16/11/2000
4.	The University of Jordan	EFFECT OF ENZYMES AND ZINC BACITRACIN SUPPLEMENTATION IN THE DIET ON THE PERFORMANCE AND COST OF BROILERS USING CORN AND/OR BARLEY.	Hatem Abu-Maelish	19/12/1999
5.	The University of Jordan	EFFECT OF SUPPLEMENTING FEED WITH LACTOBACILLUS ON THE PERFORMANCE OF AWASSI EWES AND LAMBS.	Mohammae d Al-Tamimi	8/7/1998
6.	The University of Jordan	EFFECT OF NUTRITIONAL LEVEL ON ONSET OF PUBERTY OF AWASI FEMALE LAMBS IN THE JORDAN VALLEY.	No'man Al-Rayan	29/6/1998

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7.	The University of Jordan	EFFECT OF FEEDING DIFFERENT LEVELS OF ENERGY AND PROTEIN DURING THE LAST TWO MONTHS OF GESTATION ON PRODUCTIVE AND REPRODUCTIVE PERFORMANCE OF SHAMI GOATS IN JORDAN VALLEY.	Waheed Al-Totanji	18/5/1998
8.	The University of Jordan	Effect of supplementing the diet containing barley with enzymes and zinc bacteracin on performance and cost of broiler production	Fouad Saleh	26/6/1996
9.	The University of Jordan	Bioconversion of olive pomace into a broiler feed high in protein and metabolizable energy	Ghassan Al-khawaldeh	10/12/1997
10.	The University of Jordan	Effect of supplementing protected fat on performance of Shami Goats fed total complete ration with different corn silage and Alfalfa hay ration	Ahmad Swaid	5/5/2008
11.	The University of Jordan	A survey of mortality in commercial layer farms in the middle governorates of Jordan	Ahmad Nawar	23/5/2008
12.	The University of Jordan	Effect of organic acids inclusion on the productive performance and blood parameters of broiler chicken.	Taha Moh'd Ali Taha	21/7/2013
13.	The University of Jordan	Effect of Dried Yeast Culture and Yeast Extract Supplementation on Broiler Chicken Growth, Carcass Characteristics, and Intestinal Morphology	Shadi Al-Hantooli	21/12/2017

External Examiner for MSc Thesis Defense

Number	University	Thesis Titles	Student Name	Date
1.	Jordan University of Science and Technology	THE EFFECT OF ENZYMES SUPPLEMENT OF BARLEY CONTAINING DIETS ON THE PERFORMANCE OF BROILER CHICKS	Amal Nayef Dwairi January	2006

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2.	Jordan University of Science and Technology	USING NON- CONVENTIONAL FEED IN FISH DIET	Ahmad Abdallah Al Khraisat	March , 2012
3.	Jordan University of Science and Technology	EFFECT OF GROWTH PROMOTERS AND ANTICOCCIDIAL COMPOUNDS INTERACTION ON PERFORMANCE ,CARCASS CHARACTERISTICS AND SOME PHYSIOLOGICAL PARAMETERS OF BROILER CHICKS	Abdullah Hussein Nofal	April , 2008
4.	Jordan University of Science and Technology	EFFECT OF NIGELLA SATIVA (BLACK SEED) SUPPLEMENTATION ON THE GROWTH PERFORMANCE AND PHYSIOLOGICAL ASPECT ON BROILER CHICKS	Areej Fuad Al- Hazaimeh	January , 2006
5.	Jordan University of Science and Technology	THE USE OF NANO TECHNOLOGY IN BROILER NUTRITION	Asma Ashraf Bani Hani	January, 2016

Awards

- **First prize for scientific innovation and research in the field of animal production and health. Awarded by the Arab Organization for Agricultural Development, Arab League. 2009.**
- **A letter of thanks, appreciation and congratulation from the University of Jordan President on (21/4/2014) for outstanding contribution in the scientific research publication in the last two years (2012-2013, 2013-2014).**

Others

Establishment of the Poultry farm, at the Faculty of Agriculture, The University of Jordan.

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Participated in the establishment of the Faculty of Agriculture's field station/Jordan Valley.

Establishment of the animal environmental physiology lab. /Faculty of Agriculture/
The University of Jordan.

Establishment of the Jordan Badia Research and Development Programme, center
Safawi North-East Badia, Jordan,

Responsibilities and Missions as Director of Agriculture and Water Sector at the Higher Council for Science and Technology (HCST)

- Establishment of the Agriculture and Water Sector at (HCST).
- Administration and supervision of the technical, financial, and managerial affairs of the sector.
- Preparation of the annual reports concerning the sector's activities.
- Acting secretary general of the HCST, for a no. of times.
- Head of a national technical committee to formulate the general policy and strategies for Science and Technology related to agriculture, environment, and water sectors in Jordan, including definition of priorities, drawing up programmes and plans and following up their implementations.
- Identifying S&T Potential areas in the agriculture, environment, and water sectors, suitable for Jordan.
- Human resources planning and development in the agriculture, environment, and water sectors, based on present resources and future requirements.
- Specifying standards and criteria for accrediting S&T staff and centers in the fields of agriculture, water, and biotechnology.
- Establishing S&T cooperation and concluding agreements with national, regional, and international organizations, dealing with agriculture, water biotechnology, and environment.

Responsibilities and Missions as Director of the Jordan Badia Research and Development Programme (HCST)

- Establishment of the "Jordan Badia Research and Development Programme" in 1992, as a multi- and inter-disciplinary R&D programme in collaboration with the Royal Geographic Society (RGS)/ U.K, and the Centre for Overseas Research and Development (CORD)/ U.K., aiming at improving the desertified Badia environment and the standards of living of its local inhabitants.
- Administration and supervision of the technical, financial, and managerial affairs of the programme.
- Preparation of the annual reports concerning the programme's activities.
- Implementation and follow-up of the steering committee's discussions.
- Undertaking activities requested by the steering committee.
- Preparations of the Programme's draft budget and referring it to the steering committee.

Special Activities and Professional Affiliations

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- Member of the University of Jordan staff club administrative committee, 1980-1984.
- Deputy - president of the University of Jordan staff club administrative committee, 1985-1988.
- Member of the animal production research committee, a joint committee between Faculty of Agriculture and the Ministry of Agriculture, 1983.
- Member of the poultry industry committee, formed in collaboration between the UOJ and the Ministry of Agriculture, 1986.
- Member of the “national committee for common diseases/ human and animals”, Ministry of Health, Ministry of Agriculture, Greater Amman Municipality, Jordan Cooperative Organization, 1986-1991.
- Member of the community colleges comprehensive agricultural exams, 1986- 1988.
- Member of the committee formed by the prime ministry to study perspectives of fish production in Jordan, 1985-1986.
- Member of the joint committee between UOJ and Mu’tah University to develop teaching methods for Al- Shubak community college for agricultural sciences, 1989.
- Member of the Faculty of Agriculture committee for changing teaching from English to Arabic 1984-1985.
- Academic advisor to first year students, Faculty of Agriculture, 1980-1981, 1984-1985, 1987-1989.
- Member of the “investigation committee concerning students’ issues”, Faculty of Agriculture, 1987-1989.
- Students’ societies’ supervisor (animal production, food processing), 1987-1988.
- Member of the “ university and society” committee, at the Animal Production Department, Faculty of Agriculture UOJ, 1988-1989, 1995-1996, 1996-1997, 2005-2007.
- Member of the curriculum committee at the Animal Production Department, Faculty of Agriculture, UOJ, 1988-1989.
- Member of the social committee, Faculty of Agriculture, UOJ, 1980-1981.
- Member of seminars committee, Faculty of Agriculture, UOJ, 1982-1983.
- Member of the Animal Production Department Council, Faculty of Agriculture, UOJ, 1980-1990, 1995-
- Coordinator of the Animal Production Department Council, 1982-1983.
- Academic advisor to the second year students, Department of Animal Production, Faculty of Agriculture, UOJ. 1981-1982, 1982-1983.
- Member of the "Quality Management and Development" committee, at the level of the Animal Production Department,
- Member of the Faculty of Agriculture scientific research committee, UOJ. 1982-1983.
- Academic advisor to the third year students, Department of Animal Production, Faculty of Agriculture, UOJ. 1985-1988.
- Member of the University of Jordan Research Station Committee, Faculty of Agriculture. 1984-1988.
- Member of the faculty of Agriculture Curriculum Committee, UOJ. 1986-1988.
- Member of the Curriculum Committee for preparing teaching programmes for students at the Faculty of Agriculture Research Station, UOJ. 1984-1985.
- Academic advisor to newly registered students at the Faculty of Agriculture, UOJ. 1986-1988.
- Member of the National Team for the Development of the Agricultural Secondary Education, Ministry of Education, Jordan, 1988-1990.
- Head of the National Team for the Development of the Agricultural Secondary Education, Ministry of

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Education, Jordan. 1990-1993.

- Head of the Supervision and Steering Committee for Writing School Books to the comprehensive Secondary Vocational Education/ Agricultural Stream, 1993--, Ministry of Education, Jordan.
- Member of the "postgraduate Studies" committee/ Department of Animal Production, Faculty of Agriculture, UOJ, 1995-1996, 1996-1997, 2005-2007.
- Member of the "scientific research committee", department of animal production, faculty of agriculture, UOJ, 1996-1997, 2005-2007.
- Member of curriculum committee/ Department of Animal Production/ Faculty of Agriculture, UOJ, 1996-1997.
- Member of the faculty of agriculture council, UOJ. 1983-1985, 1987-1988, 1996-1997.
- Academic advisor for fourth year students, Department of Animal Production, Faculty of Agriculture, UOJ. 1983-1984, 1995-1997.
- Member of the University and Society Committee of the Faculty of Agriculture, UOJ. 1995-1997, 2005-2007.
- Advisor to the first year students, 1980-1981, 1984-1985.
- Advisor to the second year students, 1981-1982, 1983-1987.
- Member of the faculty of agriculture scientific research committee, 1982-1983.
- Advisor for the fourth year students, 1983-1984.
- Member of the faculty of Agriculture council, 1983-1985, 1987-1988.
- Advisor to the third year students, 1985-1989.
- Member of the UOJ research field station committee.
- Member of the faculty of Agriculture curriculum committee, 1986-1989.
- Member of the animal production department council, 1996-2013
- Member of the university and society committee, 1996-2013
- Head of the National Team for the Development of the Agricultural Secondary Education. (1992).
- Head of the supervision and steering committee for writing agricultural secondary school books.
- Member of the department curriculum committee, 2011-2014.
- Member of the Biotechnology committee at the Faculty. 1995 – 2014
- Reporter of the Biotechnology committee at the Department. 1995 – 2014, 2014-2015.
- **Member of the department scientific research committee, 1997 -2014, 2014-2015, 2015-2016, 2016-2017.**
- Member of the faculty scientific research committee, 2015-2016, 2016-2017.
- Reporter of the department scientific research committee, 2015 -2016. 2016-2017.
- Member of the department curriculum committee, 2009 – 2014, 2014-2015, 2015-2016.
- Reporter of the department quality and development management committee, 2009-2014, 2014-2015.
- Member of the Faculty quality and development management committee, 2009-2014, 2014-2015.
- **Member of the Faculty Council, 2000/2001, 2005/2006, 2007/2008, 2008/2009, 2009/2010, 2016-2017, 2017-2018.**
- Member of the Department Council, 1980 – 1990, 1995 – 2013.
- Member of the department graduate studies committee, 1998 – 2010. 2015-2016.
- Member of the faculty graduate studies committee, 2015-2016.
- Member of the Faculty technical committee for agricultural research station in Jordan

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Valley, 2008/2009.

- Reporter of the Projects Team of poultry committee in the department to establish integrated Research and Development Laboratories, 2008 – 2013.
- Member of the department Research Projects Team for cattle, goat and sheep, 2008 2009.
- Member of the university and society committee in the Faculty, 1996 – 2011, 2013-2014.
- Reporter of the university and society committee in the Department, 1996 – 2011.
- Member of the “investigation committee concerning students’ issues”, Faculty of Agriculture, 1987-1989, 2005/2006.
- Member of the “investigation committee concerning students’ issues”, Faculty of Agriculture, 1987-1989, 2005/2006.
- **Reporter of the university Investigation committees concerning academic staff and employee.**
- **Faculty of Agriculture representative in the University Council 2011-2012.**
- **Faculty of Agriculture representative in the University Council 2016-2017/2017-2018.**
- **Member of the faculty promotion and employment committee , 2018/2019.**
- **Member of the faculty of 100th anniversary of founding the Kingdom of Jordan committee, 2020/2021**
- **Member of the faculty promotion and employment committee , 2020/2021.**
- **Member of the of the department graduate studies committee , 2020/2021.**
- **Member of the of the department graduate studies committee , 2021/2022.**
- **Member of the of the PhD Qualification Exam.**

Areas of Competence

- Animal Environmental Physiology,
- Animal Production in Warm and Hot Regions (Heat Stress),
- Animal Behavior,
- Dry Land Agriculture,
- Agricultural Economics and Extension,
- Agricultural biotechnology,
- Agro-industries,
- Environmental Management,
- Natural Resource Management,
- S&T (R&D).
- Coordination and Cooperation skills,
- Feasibility Studies,
- Tender Documents and Specifications,
- Negotiation and Contracting,
- Forecasting and planning,

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- Organizational Structure,
- Decision Support Systems,
- Business Planning and Development,
- Fund Raising,
- Reporting and Presentation,
- Organization of Scientific Events, and
- Training and Career Development.

Publications

1. Sykes, A.H. and AL-Fataftah, A.A. (1980). Dietary modification of heat acclimatization in the fowl. *Proc. Nut. Soc.* 39:81.
2. Sykes, A.H. and AL-Fataftah, A.A. (1980). Heat acclimatization in laying hens, 6th European Poultry Congress 4: 115-119.
3. Sykes, A.H. and AL-Fataftah, A.A. (1981). Acclimatization delle ovaiole. [Heat acclimatization in laying hens]. [Conference paper]. [Italian], 6. Conferenza avicola europea. Hamburg (Germany, F.R.). 8-12 Sep. (Translated). *Rivista di Avicoltura* 50.
4. Sykes, A.H. and AL-Fataftah, A.A. (1982). Adattamento al clima caldo delle galline ovaiole. [Laying hens and their adaptation to a warm climate]. [Conference paper]. [Italian], 6. Conferenza avicola europea. Hamburg (Germany, F.R.). [nd]. (Translated). *Zootecnica* 22.
5. Sykes, A.H. and AL-Fataftah, A.A. (1986). Effect of change in environmental temperature on heat tolerance in laying fowl. *British Poultry Science*. 27: 307-316.
6. Sykes, A.H. and AL-Fataftah, A.A. (1986). Acclimatization of fowl to intermittent acute heat stress. *British Poultry Science*. 27: 289-300.
7. Abdel-Rahman AL-Fataftah, (1987). Physiological acclimatization of the Baladi Fowl to intermittent heat stress, *Dirasat*. 14 (11):169-176.
8. Abdel-Rahman AL-Fataftah, (1987). Effects of high environmental temperatures on broilers performance: (Review), *Dirasat*. 14 (11): 177-190.
9. Abdel-Rahman AL-Fataftah, (1987). Comparison of performance of three different commercial egg laying strains in the Jordan Valley, (Arabic), *Dirasat*. 14 (11): 9-24.
10. Abdel-Rahman AL-Fataftah, (1987). Evaluation of the Productivity of different commercial egg-laying strains under thermoneutral and high environmental temperatures, (Arabic), *Dirasat*. 14 (11): 25-45.
11. Abdur-Rahman AL-Fataftah. 1992. Perspectives of efficient utilization of water resources in agricultural and industrial development. In *Perspectives of utilizing science and technology in development*. A book, Indexed by the national Library
12. AL-Fataftah, ARA., Abu-Taleb, MF., (1992), Jordan's water action plan, *Canadian Journal of Development Studies/Revue canadienne d'études du développement*. 13 (4): 153-171.
13. Co-Editor of a book entitled "Perspectives of utilizing science and technology in development", in addition to co-author in two chapters in the book, (Arabic), Amman 1992.
14. AL-Fataftah, Abdur-Rahman and others, (1994), *Securing Peace in the Middle East*. Eds. Stanley Fischer, Leonard Hausman, Anna Karasik, and Thomas Schelling. MIT Press. Massachusetts, U.S.A.
15. Abdel-Rahman AL-Fataftah and Z.H.M Abu-Dieyeh, (2007), Effect of Chronic Heat Stress on Broiler Performance in Jordan, *International Journal of Poultry Science* 6(1): 64-70.
16. S.Herzallah, K. Alshawabkah, and A. Alfataftah, (2008), Aflatoxin Decontamination of Artificially Contaminated Feed by Sunlight, γ -Radiation and Microwave Heating. *J. Appl. Poultry Res.* 17:515-521.

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17. Al-Shawabkah, K., k., Hersallah, S., Al-Fataftah, A. and Zakaria,H. Effect of Aflatoxin B1 Contaminated Feed on Broiler Chickens Performance and Meat Content of Conjugated Linoleic Acid. *Jordan Journal of Agricultural Science*. 5:314-322,2009.
18. Alnimer, M.A., Alfataftah A.A., Ababneh M.M.,(2011), A comparison of fertility with a Cosynch protocol versus a modified Ovsynch protocol which included estradiol in lactating dairy cows during the summer season in Jordan. *Animal Reproduction*. Vol. 8: 32-39.
19. Abdelqader, A., Irshaid, R., Al-Fataftah, AR.,(2013),Effects of dietary probiotic inclusion on performance, eggshell quality, cecalmicroflora composition, and tibia traits of laying hens in the late phase of production. *Tropical animal health and production*. 45 (4):1017-1024.
20. Abdelqader, A., Al-Fataftah, AR., Daş, G., (2013),Effects of dietary *Bacillus subtilis* and inulin supplementation on performance, eggshell quality, intestinal morphology and microflora composition of laying hens in the late phase of production.*Animal Feed Science and Technology*.179 (1-4), 103-111.
21. Zakaria, HA.,Hammad, A.,Alfataftah, A.,Titi, HH.,(2013),Replacing Soybean Oil in the Finisher Phase with Different Levels of Dry Protected Plant Fat and Two Forms of Feed and their Effect on Performance, Carcass Quality and Blood Parameters of Broilers. *International Journal of Poultry Science*. 12 (1), 37-44.
22. Abdur-Rahman A. Al-Fataftah, S. M. Herzallah, K. Alshawabkeh, Salam A. Ibrahim. 2013. Administration of lactic acid bacteria to enhance synthesis of vitamin B12 and B6 and lower cholesterol levels in poultry meat. *Journal of Food, Agriculture & Environment-JFAE*,Vol. 11(2) Part I. 604-609.
23. Abdur-Rahman A. Al-Fataftah, S. M. Herzallah, F. Mabood, K. Alshawabkeh. 2013. Enrichment of vitamin B12 and B6 and lowering cholesterol levels of eggs by lactic acid bacteria. *Journal of Food, Agriculture & Environment-JFAE*,Vol. 11(2) Part II.674-678.
24. Hosam Titiand A. Fataftah. 2013. Effect of supplementation with vegetable oil on performance of lactating Awassi ewes, growth of their lambs, and on fatty acid profile of milk and blood of lambs. *ArchivTierzucht*, Vol.56 (45). Published Online: 27 March 2013.
25. Alshawabkeh, K., S.M., Herzallah, A. A. Al-Fataftah.2013. Supplemental effect of plant extracts of *Lepidium sativum* and *Brassica juncae* seeds on milk production and composition of Awassiewes.*Jordan Journal of Agricultural Sciences*. Vol. 9, (3).363-368.
26. Al-Fataftah, A., A. Abdelqader. 2013. Effect of *Salix babylonica*, *Populus nigra* and *Eucalyptus camaldulensis* Extracts in Drinking Water on Performance and Heat Tolerance of Broiler Chickens During Heat Stress. *American-Eurasian Journal of Agricultural & Environmental Sciences*. vol. 13 (10): 1309-1313.
27. Al-Fataftah, A., A. Abdelqader. 2013. Improving Performance of Laying Hens in Hot Regions by Desert Coolers. *International Journal of Poultry Science*. Vol.12 (10): 590-595.
28. Abdelqader A., A. Al-Fataftah. 2014. Thermal acclimation of broiler birds by intermittent heat exposure. *Journal of Thermal Biology*. Vol. 39 (1): 1-5.
29. Abdur-Rahman Al-Fataftah, Anas Abdelqader. 2014. Effects of dietary *Bacillus subtilis* on heat-stressed broilers performance, intestinal morphology and microflora composition. *Animal Feed Science*

Abdur-Rahman Awwad AL-Fataftah

Department of Animal Production ♦ Faculty of Agriculture ♦ The University of Jordan ♦ Amman-Jordan
Tel: (+962-6) 5355000/Ext. 22380 (office) ♦ Tel: (+962-6) 5160200, +962795568784 ♦ E-mail: a.fataftah@ju.edu.jo

and Technology. 198: 279-285.

30. Khalil Alshawabkeh, N.I. Alkhalaileh, Anas Abdelqader, Abdur-Rahman A. Al-Fataftah and Saqer M. Herzallah. **2015**. Occurrence of Aflatoxin B1 in Poultry Feed and Feed Ingredients in Jordan Using ELISA and HPLC. *American-Eurasian Journal of Toxicological Sciences*, 7 (4): 316-320.
31. Anas Abdelqader, Abdur-Rahman Al-Fataftah. **2016**. Effect of dietary butyric acid on performance, intestinal morphology, microflora composition and intestinal recovery of heat-stressed broilers. *Livestock Science*, 183: 78–83.
32. Anas Abdelqader, Rabir Irshaid, Mohammad Jihad Tabbaa, Mohannad Abuajamieh, Hosam Titi, Abdur-Rahman Al-Fataftah. **2017**. Factors influencing Awassi lambs survivorship under fields conditions. *Livestock Science*, 199: 1–6.
33. Anas Abdelqader, Mohannad Abuajamieh, Hana Hammad, Abdur-Rahman Al-Fataftah. **2017**. Effects of dietary butyrate supplementation on intestinal integrity of heat-stressed cockerels. *Journal of Animal Physiology and Animal Nutrition*, 101(6): 1115-1121.
34. Alhanof Alhenakya , Anas Abdelqader , Mohannad Abuajamieh , Abdur-Rahman Al-Fataftah. **2017**. The effect of heat stress on intestinal integrity and Salmonella invasion in broiler birds. *Journal of Thermal Biology*, 70: 9–14.
35. AL-Ruwaili, M., N.I. Alkhalaileh , S.M. Herzallah, A. Rawashdeh , A. Fataftah and R Holley. 2018. Reduction of Aflatoxin B1 Residues in Meat and Organs of Broiler Chickens by Lactic Acid Bacteria. *Pakistan Veterinary Journal*, 38(3): 325-328.
36. Anas Abdelqader, Mohannad Abuajamieh, Firas Hayajneh, Abdur-Rahman Al-Fataftah. (2020). Probiotic Bacteria Maintain Normal Growth Mechanisms of Heat Stressed Broiler Chickens. *Journal of Thermal Biology*. (2020):102654.
37. Abuajamieh, Mohannad, Anas Abdelqader, Rabie Irshaid, Firas MF Hayajneh, Ja'far M. Al-Khaza'leh, and Abdur-Rahman Al-Fataftah. (2020). Effects of Organic Zinc on the Performance and Gut Integrity of Broilers Under Heat Stress Conditions. *Archives Animal Breeding* 63(1): 125-135.
38. Abuajamieh, Mohannad, Anas Abdelqader, Mohammad Al-Qaisi, Abdur-Rahman Al-Fataftah, and Tawfiq M. Al-Antary. (2020). Effect of Bentonite on the Performance and Gut Integrity of Lambs under Heat Stress Conditions. *Fresenius Environmental Bulletin* 29(6):4799-4806.
39. Osama Dawud, Anas Abdelqader, Abdur-Rahman Al-Fataftah. (2021). Effects of Feeding Strategies and Feed Additives on Combating Heat Stress in Broiler Chickens. *Agrociencia Journal* 55(10): 1-35.

Abdur-Rahman Awwad AL-Fataftah

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Tel: (+962-6) 5355000/Ext. 22380 (office) ♦ Tel: (+962-6) 5160200, +962795568784 ♦ E-mail: a.fataftah@ju.edu.jo

Refereeing& Reviewing

1. Many Scientific papers for national, regional and international journals.
2. Several text books at the University and High school levels.
3. Research proposals for the Scientific Research Support Fund, Ministry of Higher Education.
4. Research proposals for regional institutes and universities.
5. Several Final and Annual reports for funded research at the regional and national levels.
6. Several promotions for faculty members.

Studies, and Technical Reports

- Participated in the preparing the “National policy for Science and Technology” HCST, 1995.
- Participated in preparing the “Executive programmes for the implementation of S&T policies and strategies”, HCST, 1995.
- Participated in preparing a technical report entitled “Towards science and technology policies and strategies in the agriculture sector”, HCST, 1991.
- Participated in a study entitled “Population, water and food security”, Amman, 1990.
- Participated in a report on “Constraints to develop animal production in Jordan”, Amman, 1990.
- Participated in the preparation of “The Badia rural development”, investing in our common future”,(a brochure), HCST, 1990.
- Prepared a study entitled “Food security in Jordan after the Gulf crisis”, HCST, 1991.
- Prepared a study entitled “Environmental pollution caused by the Gulf war on water and agriculture sectors in Jordan”, HCST, 1991.
- Prepared a report on “Poultry production in Jordan”, HCST, 1991.
- Participated in a study entitled “Water desalination in Jordan”, HCST, 1992.
- Prepared a brochure entitled “Jordan Badia Research and Development Programme, stage one: Safawi”, 1994.
- Prepared “ Jordan Badia Research and Development Programme”, (framework document), 1994.
- Prepared, “ Jordan Badia Research and Development Programme”, (scientific research framework document), 1994.
- A working paper titled “Perspectives of animal production development in Jordan”, submitted to the Jordanian economy conference, Amman, 1993.
- Prepared and technical and progress reports on the Jordan Badia Research and Development Programme submitted to the Steering committee of the programme.
- Evaluated and reiterated a no. of books and scientific research documents for the Jordanian universities.
- Evaluated a no. of projects for the public and private sectors.

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Conferences, Seminars and Workshops: (in Jordan)

- The first scientific conference of Arab veterinaries federation 7-10/9/1981, UOJ, / Faculty of agriculture. Presented a paper entitled "Dietary modification of heat acclimatization in the Fowl".
- Member of the organizing committee and representative of the UOJ in the seminar on the local and new strains of poultry, 15-17/8/1982.
- Member of the organizing committee to the regional symposium on poultry disease in the Middle East, held 7-11/5/1984, organized by FAO, Arab organization for agricultural development and Ministry of Agriculture/ Jordan.
- The regional seminar on "Applications of genetic improvement on poultry and its suitability to environmental conditions in the Near East countries, Amman 1-3/2/1987.
- Representative of the UOJ in the training workshops for wild life management, organized by the Royal Society for Wild Life protection, Amman, 21-28/5/1989.
- The first meeting of the joint committee for Arab Scientific and Technological Cooperation between the countries of the Arab Cooperation Council, 16-17/6/1990, Amman- Jordan.
- The second coordinating annual meeting between the Jordan National Programme and the International Centre for Agricultural Research in the Dry Areas (ICARDA), 28-29/8/1990.
- Water Desalination in the Gulf of Aqaba using renewable energy, 18/9/1991, Amman.
- A member of the scientific committee for the national water seminar "water situation in Jordan", organized by FredrichNowman Foundation, the Jordanian Environmental Society and Arab Youth Forum, 6-7/10/1991, at the Ministry of Water and Irrigation/ Jordan.
- A panel discussion about "Improving the managerial leadership in the Arab scientific research institutions, 7-10/10/1991, Amman.
- The fourth geological Jordanian conference 4/11/1991, UOJ.
- The Fourth general conference for the General Federation for Arab Agricultural Farmers and Cooperatives 7/12/1991.
- Head of the organizing committee for an expert group meeting on biotechnology in the Arab world, organized by the agriculture sector at HCST and in cooperation with the Arab League Educational Cultural and Scientific Organization (ALECSO), 14-16/12/1991.
- Head of the Higher organizing committee for the first Arab seminar on "utilizing modern technologies in increasing the production of red meat" organized by the Federation of Arab Scientific Research Councils (FASRC), in collaboration with the HCST, and UOJ, university of Baghdad 7-10/9/1991, Amman.
- A conference on "Population and the fundamental necessities in Jordan: a future outlook (1991-2005), 24-26/9/1991, Amman. Presented a paper entitled: Population, water, and food security.
- The third coordinating meeting between the Jordanian agricultural institutions and (ICARDA), 23-

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25/9/1991, UOJ.

- A seminar on “ The agricultural policies”, organized by the ministry of agriculture, Jordan, and the United Nations Food and Agriculture Organization (FAO), 3-6/12/1991.
- Head of the organization committee for a seminar on “Sea, brackish water desalination and waste water reuse”, 25-26/1/1992.
- Organized a seminar entitled” The production of natural products by microorganisms”, at HCST, in cooperation with Jordan Technology Group (JTG), 3/3/1992.
- Organized a seminar entitled” Role of biotechnology in industrial development”, at HCST, 18/3/1992.
- A seminar on” Industrial waste treatment”, UOJ, 29/4/1992.
- “The regional seeds workshop for western Asia and northern Africa countries”, organized by ICARDA, and the German Agency for Technical Cooperation (GTZ), Amman, 22/6/1992.
- A workshop to evaluate the performance of the National Research Centre for Agricultural Research and Technology Transfer (NCARTT), organized by the ministry of agriculture, Amman, 29-30/6/1992.
- Organized a seminar entitled” Biotechnology in the Arab World and the missing links between research and applications”, HCST, 29/6/1992.
- The first Arab conference on “Handling of the horticultural crops”, Amman, 5-8/10/1992.
- Member of the organizing committee of the first Arab seminar on “Weed control in orchards”, Amman, 11-13/10/1992.
- Member of the organizing committee of the “Sixth Arab and the third Jordanian conference for biological sciences”, Amman, 24-28/10/1992.
- Member of the organizing and scientific committee for the Second Arab conference on” Perspectives of modern biotechnology, organized by HCST and a no. of regional and international organizations, Amman, 24-28/4/1993.
- A workshop on” Jordanian consulting services and expertise in development cooperation” organized jointly by the ministry of planning and the GTZ, Amman, 4/12/1992.
- A sub-regional workshop for strengthening national capacities in educational research in the Arab states, organized by the National Centre for Educational Research and Development in cooperation with UNESCO Regional Unit to Coordinate Educational Innovation Programme for Development in the Arab States (EIPDAS), Amman, 5-10/12/1992.
- Round table meetings on “promotion of agricultural industries in Jordan”, in cooperation with Spain, Amman, 15-16/2/1993.
- A seminar on “Agriculture development strategies in Jordan, Amman, 20-22/4/1993.
- “The Jordanian economic conference- constraints and perspectives”, presented a paper entitled “Perspectives of animal wealth development in Jordan”, Amman, 13-15/6/1993.
- A workshop on “Range land and marginal areas development-obstacles and constraints, held at NCARTT, Amman, 26/6/1993.
- A workshop on “ Obstacles and constraints facing agriculture the field of rain- fed agriculture at NCARTT, Amman, 26/6/1993.
- A workshop to discuss obstacles and constraints facing the development of NCARTT, with the aim of setting up a strategy for agricultural research, held at NCARTT, Amman, 4/7/1993.
- A seminar on “Scientific publications in the Arab world: obstacles and perspectives”, held at Yarmouk university, 11-13/7/1994.

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- Member of the organizing committee of the “Jordanian first science week”, organized by HCST, held in Amman, 1993.
- Member of the organizing committee of the “Jordanian second science week”, organized by HCST and Jordan Armed Forces, held in Amman, August, 1994.
- Organized a seminar on “Cloud seeding” at the Jordan Badia R&D programme’s Centre, Safawi, Jordan, 6/10/1994.
- Organized a workshop on “Applications of biotechnology in Agriculture for arid regions development”, held at the Jordan Badia Research and Development Programme’s Centre, Safawi, Jordan, 15-18/11/1994.
- A workshop on “The commercialization of biotechnology research projects financed by HCST, held on 18/9/1994, at HCST in cooperation with JTG.
- A workshop on “The commercialization of the results of “Plant tissue culture projects”, financed by the HCST, held on 20/11/1994.
- A workshop on “The commercialization of the results of a research project financed by HCST titled “Monoclonal Antibodies Production”, held at HCST on 3/5/1995.
- Effects of Heat Stress and its Management in Dairy Cattle, held at Institute of Agricultural Research Training Extension and Education on June 22, 2011.

Conferences, Seminars and Workshops Outside Jordan

- The international symposium on heat dangers, Khartoum, 27-31/1/1988.
- The seventh international conference for water resources, held in Rabat, Morocco, 13-18/5/1991.
- A seminar entitled “Economic cooperation in the Middle East - The economics of transition”, held at Harvard University, 10-12/9/1992.
- A workshop on “Conflict resolution and transboundary groundwater management” , October 23rd and 24th/1993, held at Champaign-Urbana, Illinois, USA.
- An international Symposium on “Water resources in the Middle East: Policy and institutional aspects”, 24-27/10/1993, held at The Beckman Institute on the campus of the university of Illinois, Urbana, USA.
- Third Arabic conference on " New Biotechnologies and prospective of its use in Arabic League", Cairo, 14 – 17, 12/1999.

Official Visits

- * A visit to the U.K. to sign the memorandum of understanding between HCST and The Royal Geographic Society (RGS), concerning cooperation in the Jordan Badia Research and Development Programme, on behalf of the secretary general of HCST, 1992.

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- * Member of the “Jordanian Agriculture and Water delegation to the People’s Republic of China, 1992.

Funded Research Projects

Research Project Title	Amount (JD)	Funding Institution	Date
Enhancing vitamin B12 and B6 content and lowering cholesterol levels of eggs by lactic acid bacteria.	18650	Deanship of Academic Research, The University of Jordan	1/11/2009
Effect of pre heat Exposure of Broiler chickens on alleviating heat stress during heat waves in Jordan.	1490	Faculty of Graduate Studies, The University of Jordan	22/8/2009
Effect of different energy levels (using plant dry fat), and pelleted feed on the performance of heat-stressed broilers chickens.	2487	Faculty of Graduate Studies, The University of Jordan	12/1/2010
Effect of feed withdrawal on alleviating heat stress in Broiler chickens.	1000	Faculty of Graduate Studies, The University of Jordan	5/4/2011
Effect Of Heat Stress On Intestinal Morphology And Integrity In Broiler Chickens.	1500	Faculty of Graduate Studies, The University of Jordan	2014
Impact of heat stress on intestinal mucosal integrity in broiler chickens and effect of feed additives to enhance intestinal mucosal restitution and homeostasis	30,000	Deanship of Academic Research, The University of Jordan	2015 - 2017
Effects of organic zinc on the performance and gut integrity of sheep under heat stress conditions	17,000	Deanship of Academic Research, The University of Jordan	2016 - 2018
Effects of organic zinc on the performance and gut integrity of poultry under heat stress conditions	22,000	Deanship of Academic Research, The University of Jordan	2018-2020
Effects of dietary betaine supplementation on performance, inflammatory biomarkers, and intestinal integrity during feed restriction in sheep	20,000	Deanship of Academic Research, The University of Jordan	2020-2021

Computer Skills

Microsoft Office

Languages

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Arabic, and English