

Name: Dr. Jamal Abdul Rahman Tawfeeq Al-Ani.

Nationality: IRAQI

Place and date of birth: Baghdad, 1974.



Personal

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Status: Animal Production specialist with emphasis on Animal Nutrition, College of Agricultural Engineering Sciences, University of Baghdad, Baghdad, Iraq.

Current Positions at the Agriculture College, University of Baghdad, Iraq.

- Head of the Public Health Branch / College of Veterinary Medicine / University of Diyala 2004-2006.
- Lecturer at College of Agricultural Engineering Sciences, University of Baghdad since 2006.
- Member and Manager of Advisory Office, College of Agricultural Engineering Sciences, University of Baghdad, since 8/ 6/ 2015 until 13/ 6/ 2019.
- Member & Rapporteur of the Committee Deans of Iraqi Agriculture Colleges.
- Member & Rapporteur of the Academic Accreditation Council of Iraqi Agriculture Colleges.
- Director of Central Laboratory for Postgraduate Students / (Nutrition Laboratory).
- Head of the media team for technological incubator " planting one million trees ".
- Manager of the Website of Agricultural Engineering Sciences College since 28/ 8/ 2019 until 9/ 12/ 2020
- Director of the Information Technology Unit (IT) of Agricultural Engineering Sciences since 9/ 12/ 2020 until now.

- **Member of Scientific Committee/Department of Animal Production/ Agricultural Engineering Sciences/ University of Baghdad since 20/ 9/ 2020.**

Field Experiences

- **Director of poultry farm, Abu Ghraib, Baghdad, Iraq, 2009.**
- **Director of fattening calves farm, Abu Ghraib, Baghdad, Iraq, 2010.**
- **Director of beekeeping farm 1990 - Present.**
- **Anti-insect termite.**
- **Workshops about Proximate Analysis of Feeds.**
- **Workshops about Laboratory Analysis.**

Research Interests

Main research area includes: Animals nutrition in arid and semi-arid areas, use of agricultural and industrial byproducts in animals feeding, feed industry. Specific research interests include but not limited to:

- **Ruminant fattening.**
- **Use of hydroponic system for green fodder production.**
- **Use of whey protein for animals nutrition.**
- **Improve agricultural byproducts for animals nutrition.**
- **Production of low-cost, balanced rations.**
- **Silage production.**

Academic Qualifications

- **BSc, College of Agriculture, University of Baghdad, Iraq 1996.**
- **MSc, College of Agriculture, University of Baghdad, Iraq 1999.**
- **PhD, College of Agriculture, University of Baghdad, Iraq 2004.**

Publications

- **THESIS:**

- 1- MSc Degree: Effect of replacement SBM with urea in some rumen characteristics with the addition of bentonite clays to the ration. 1999.
- 2- PhD Degree: Effect of some chemical and physical treatments for barley straw on the activity of rumen bacteria. 2004.

• **TEXT BOOKS:**

- 1- Nutrition Science (2014).
- 2- Principles of Animal Production (under printed).
- 3- English Language for Under Graduated Students (under printed)

- Scientific papers: (please see attached list).

Appointment and Promotion

- **Head of Public Health Department, Veterinary College, University of Diyala, Iraq. 2004 – 2006.**
- **Lecturer in Animal Production Department, College of Agricultural Engineering Sciences, University of Baghdad. 2006 – present.**
- **Assistant Lecturer 1999.**
- **Lecturer 2004.**
- **Assistant Professor 29/ 1/ 2012.**

Postgraduate Supervision

Director of Studies for the following successfully completed, MSc research projects.

- 1- **Evaluation Different Levels of Bakeries Residues in Performance Diets of Awassi Lambs, University of Baghdad, Iraq, 2014.**
- 2- **Methods for improving urea as a source of nitrogen in ruminants rations, University of Baghdad, Iraq, 2016.**
- 3- **In vitro digestibility for predigested fish meal in ruminant rations, University of Tikrit, Iraq, 2017.**
- 4- **Effect of substitution hydroponic barley with green alfalfa on the feeding of Awassi lambs, University of Baghdad, Iraq, 2018.**

- 5- Effects of adding dried whey protein to rations in the performance of Awassi lambs, University of Baghdad, Iraq, 2018.**
- 6- Effect of different levels from Nile flower plant (Eichhornia-crassipes) in the performance of Awassi lambs, University of Baghdad, Iraq, 2018.**
- 7- Effect of adding different levels of N-carbamyl glutamate on Awassi lambs performance, 2020.**

Consultancy, Research Works

My consultancy and research activities are within the fields of research and developments in rations ingredients. This includes but not limited to: Agricultural and industrial byproducts in arid and semi-arid areas, improving roughage fodder, hydroponic systems.

Subjects Taught

- **Post Graduate:**
 - ✓ **Animal Nutrition**
 - ✓ **Protein metabolism**
 - ✓ **Carbohydrate metabolism**
 - ✓ **New system for ruminant nutrition**
 - ✓ **Special topics**
 - ✓ **Rumenology**
 - ✓ **Sheep & goat production**
 - ✓ **English language**
- **Under-graduate:**
 - ✓ **Animal Nutrition**
 - ✓ **Feed and Feeding**
 - ✓ **Animal Production**
 - ✓ **Biochemistry**
 - ✓ **Sheep & Goat Production**
 - ✓ **English language**
 - ✓ **Research projects**

Knowledge of languages

- Arabic languages
- English languages

Letters of Appreciation

More than 45 Letters of appreciation from:

- ✓ Ministry of higher education & scientific research.
- ✓ University of Baghdad.
- ✓ Deans of Agriculture Colleges.

Published Scientific Papers

1. Al-Sultan, A.A.; S.M.A. Al-Farhan and J.A. Tawfeeq. (2000). Effect of replacement SBM with urea in some rumen characteristics with the addition of bentonite clays to the ration. *Agri. Iraqi J.*, 5(7): 114 – 122.
2. Azeez, A.S. and Tawffek, J.A. (2019). EFFECT of feeding Nile flower (*EICHHORNIA-CRASSIPES*) on some blood parameters and liver functions enzymes in Awassi lambs. *Biochem. Cell. Arch.*, 19(1): pp. 1263-1267.
3. Hassan, S. A. and J. A. Tawffek. (2009). Effect of washing and physical form of chemical treated barley straw on nutritive value, phenolic compound and activity of rumen bacteria. 3- Ammonia hydroxide treatment. *Iraqi J. of Agric. Sci.*, 40(1):158-167.
4. Hassan, S.A and J. A. Tawffek. (2009). Effect of washing and physical form of chemical treated barley straw on nutritive value, phenolic compound and activity of rumen bacteria. 1- Sodium hydroxide treatment. *Iraqi J. of Agric. Sci.*, 40(1):138-147.
5. Hassan, S.A. and J. A. Tawffek. (2009). Effect of washing and physical form of chemical treated barley straw on nutritive value, phenolic compound and activity of rumen bacteria. 2- Urea treatment. *Iraqi J. of Agric. Sci.*, 40(1):148-157.
6. Hassan, S.A., J.A. Tawfeeq and S.O. Mohammed. (2014). Effect of watery and alcoholic medicinal plants extractions on in-vitro ruminant digestibility. *KSU J. Nat. Sci.*, 17(3): 30 -33.
7. Hassan, S.A.; J. A. Tawffek and M.A. El-Saady. (2009). Effect substitution gradually percentages of reed silage with alfalfa hay fed with probiotic to Awassi lamb. 2- On carcass characteristics. *Iraqi J. of Agric.Sci.*

8. Hassan, S.A.; J. A. Tawffek and M.A. El-Saady. (2009). Effect substitution gradually percentages of reed silage with alfalfa hay fed with probiotic to Awassi lamb. 3- On some blood parameters. Iraqi J. of Agric. Sci.
9. Hassan, S.A.; J.A. Tawfeeq and A.A.M. Al-Wazeer. (2013). Effect of predigested local forages with exogenous fibrolytic enzymes on chemical composition and *in vitro* digestibility. J. Food Industries & Nutr. Sci., 3(1): 119-129.
10. Hassan, S.A.; J.A. Tawfeeq and A.A.M. Al-Wazeer. (2015). Effect of exogenous fibrolytic enzymes on digestibility and rumen characteristics in Shami goats. Kufa Journal for Agricultural Sciences, 7(3): 205- 223.
11. Ismail, U.N.; J.A. Tawfeeq; S.H. Alorchan; S.T. Abdul- Malik; A.A. Adab; S.T. Kassid and A.A. Al-Gaboury. (2012). Investigation on the deoxynivalenol poison in rations and some imported and local ingredients in Iraq and its effect on the *in vitro* degradation. J. Food Industries & Nutr. Sci., 2(1): 77- 85.
12. Kareem, A.N.; Tawfeeq, J.A. and Alnaemi, A.N.A. (2018). Effect of feeding dried whey on the efficiency of Iraqi Awassi lambs Journal of Research in Ecology, 6(2): 1893-1898.
13. Shogah, T.A.; Tawfeeq, J.A. and Manaf, A.A. (2017). Effect of autolysis of fish meal on degradability and *in-vitro* digestibility in ruminants. J. of Tikrit Univ. for Agri. Sci., Vol. 17(4): pp. 114-119..
14. Tawfeeq JA, Al-Omrani HA, Shaker RM, Hamza ZR, Abbas SF, Jabbar RH (2019). Effect of peppermint and rosemary extractions on ruminant *in-vitro* digestibility. Adv. Anim. Vet. Sci. 7(10): 910-913.
15. Tawfeeq, J.A. (2011). Comparison study between using two kinds of *Pleurotus ostreatus* mushroom for improving barley straw. J. Food Industries & Nutr. Sci., 1(1):71-74.
16. Tawfeeq, J.A.; J.K. Alkinani and R.M. Shaker. (2015). Effect of feeding bakeries residues on some rumen liquor and blood plasma characteristics of Awassi lambs. J. Biol. Chem. Environ Sci., 10(1). 155- 171.
17. Tawfeeq, J.A.; J.K. Alkinani and R.M. Shaker. (2016). Effect of using different levels of bakeries residues in productive performance of Awassi lambs. J. Saudi Soc. for Agric. Sci., Vol. 15 (1): pp. 35-57.
18. Tawfeeq, J.A.; R.M. Shaker; Z. A. Aldhaher; S.H.A. Kareem and T.A.A. Wahab.(2015). Effect of Chemical Treatments for Cellulosic Plants on Some Macro Minerals. Chemical and Process Engineering Research. Vol. 36: p.47-51.

- 19. Tawfeeq, J.A.; Shogah, T.A. and Manaf, A.A. (2018). Impact of Acids Treatment on Degradation Degree and Coefficient of Laboratory Digestion for Fish Meal in The Ruminant's Diets. J. of Tikrit Univ. for Agri. Sci., Vol. 18(1): pp. 156-165.**
- 20. Tawfeeq, J.A.; Shogah, T.A. and Manaf, A.A. (2018). Impact of Protease Enzyme on Degradation Degree and Coefficient of Laboratory Digestion for Fish Meal in The Ruminant's Diets. J. of Tikrit Univ. for Agri. Sci., Vol. 18(2): pp. 176-181.**
- 21. Tawffek, J.A.; Hassan, S.A.; Kadori, S.H.; Shaker, R.M. and Hamza, Z.R. (2018). Evaluation of feeding hydroponics barley on digestibility and rumen fermentations in Awassi lambs. Iraqi J. of Agric. Sci., Vol. 49(4): pp. 636- 645.**
- 22. Tawffek, J.A.; Ibrahim, L.S.; Shaker, R.M. and Hamza, Z.R. (2017). In-vitro digestibility of barley grains treated with urea: in-vitro study. Iraqi J. of Agric. Sci., Vol. 48(4).**
- 23. Mahdi, Z.S.; Tawffek, J.A. and Al-Shanoon, H.F. (2021). Effect of additives N-carbamyglutamate with urea on feed intake and daily gain of Awassi lambs. International Journal of Plant Research, Vol. 21 (1).**
- 24. Other researches will be added.**

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**Assistant Prof. Dr. Jamal Abdul Rahman Tawfeeq,
Department of Animal Production,
College of Agricultural Engineering Sciences,
University of Baghdad.**

1/ 2/ 2021