

# CURRICULUM VITAE

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### Education

- Ph.D., Poultry Nutrition, 2004, University of Ferdowsi, Mashhad
- Dissertation: *Evaluation of Metabolizable Energy, Protein quality and Digestibility of Amino Acids in Meat and Bone Meal for Poultry.*
- M.S., Feed and Nutrition. 1997, University of Tehran, Tehran
- Dissertation: *Evaluation of Protein quality in Iranian Kilka Fish Meal by Chemical and Biological Assays.*
- B.S., Animal Sciences, 1992, University of Tabriz, Tabriz

### Academic Positions

- Lecture, University of Tabriz, 1998 – 2004
- Assistant Professor, University of Tabriz, 2004 - 2010
- Associate Professor, University of Tabriz, 2010 - 2016
- Professor, University of Tabriz, 2016 - present

### Resident Instruction

- Protein and Amino Acids in Poultry Nutrition
- Poultry Nutrition
- Advanced Animal nutrition
- Basic Animal Nutrition
- Principals of poultry science

## **Administrative Responsibilities**

- Head of Animal Sciences Department, University of Tabriz, 2009-2013
- Member of Editorial Board of Journal of Animal Science researches, 2009
- Member of Iranian Association of Animal Science Board, 2011-2015
- Chairman of 6<sup>th</sup> National Iranian Congress on Animal Science, 2014
- Director-in-Charge of Journal of Animal Science researches, 2015
- Vice-President, Finance and Administration, 2017-present

## **Society Membership**

- Iranian Animal Science Association
- World Poultry Science Association- Iran Branch
- North-West of Iranian Animal Science Association

## **Research Experience**

- Sabbatical Leave. 2004. Animal Science Department, University of Manitoba. Canada
- Attendance at the "Introduction to Surgery and Post-operative Care Wet Lab" at Basic Medical Sciences Building in the University of Manitoba. 2004

## **Research Activities:**

- Nutritional evaluation of some common feedstuffs from Azerbaijani province. Funded by Researches Center of Presidential organization of Islamic Republic of Iran. 1998-2002.
- Nutritive value of poultry-by product meal for layer hens. Funded by University of Tabriz. 2009
- Chemical composition and metabolizable energy content of some barley varieties from Iran. Funded by University of Tabriz. 2007-2009
- Nutritive value of poultry-by product meal in broilers feeding. Funded by University of Tabriz. 2005-2007
- Nutritive value of poultry-by product meal in Rainbow Trout (*Oncorhynchus mykiss*). Funded by General Office Fishery of East Azarbijan. 2006

## **Research Interests**

- **Poultry feed ingredients evaluation:**

-TMEn in adult roosters, AMEn in chicks and laying hens by regression and practical diet replacement assays

-Amino acid digestibility in cecectomized adult roosters and young chicks at ileal level

- Bioavailability and digestibility of minerals

- Evaluation of protein quality in plant and animal protein sources by integrative methods

- **Poultry nutrients requirements ( AAs and Minerals)**

## **Computer Skills**

- MS Office, SAS, MstatC, Excel spread sheath (For data management and statistical analyzing by GLM, ANOVA, Mixed Model, and Regression Procedures).

## **Technical Skills**

- Designing and running of metabolic trails ( AMEn with practical diet replacement assay and regression method, TMEn, AA digestibility by cecectomized rooster assay and ileal digesta collection method, Mineral bioavailability studies and Mineral digestibility techniques including everted gut sacs method).
- Growth trials
- Designing and running of AAs requirements experiments and analyzing data with various broken-line regression models
- Designing and running of protein quality assays by integrative methods
- Formulation and Mixing experimental diets.
- Use of indigestible markers and analyses in digestibility trials.

## **Books Translated (into Persian) or Co- Translated**

- Animal Nutrition ( Authored by P McDonald, R A Edwards, J F D Greenhalgh, C A Morgan ,L A Sinclair, R G Wilkinson)
- Turkey Nutrition (Authored by M L Scott)
- Goose Production(Authored by FAO)
- Poultry Feed ingredient processing and diet formulation (Authored by FAO)

## **Honors and Awards**

- Top Student Award,1991 University of Tabriz
- Scholarship, 1992, University of Tabriz
- Scholarship, 2000, University of Tabriz
- Top Researcher Award, 2016, University of Tabriz

## **Selected Articles in Journals**

- Arash. H., H.Janmohammadi, S. Mirghalenj, M.Oliaei. L. William. 2017. Digestible valine requirements in broilers from 8 to 21 days of age. J Appl Poult Res. In Press
- Bagheri, S., H. Janmohammadi, R. Maleki, A. O. Rahimi, R. Kianfar. Effect of dietary supplementation of folic acid on laying hen performance, egg quality and yolk 5-methyltetrahydrofolate. Annals of Tropical Medicine and public Health. In Press
- Ebrahimi .M., H.Janmohammadi, H. Daghighlia, G. Moghaddam, Z. Rajabi,S. A. Rafat, A. Javanmard .20017.The Effect of L- lysine *in ovo* feeding on body weight characteristics and small intestine morphology in a day- old Ross broiler chicks. Revue Méd. Vét., 168, 4-6, 116-124
- Gitoee. A., H. Janmohammadi, A. Taghizadeh and S.A. Rafat 2015. Effects of a multi-enzyme on performance and carcass characteristics of broiler chickens fed corn-soybean meal basal diets with different metabolizable energy levels. Journal of Applied Animal Research. Vol. 43, No. 3, 295–302

- Arash. H., H.Janmohammadi, A.Hosseinkhani, M.D.Shakori.2013. Using complete diet and Sibbald's methods to determine the metabolizable energy of 5 Iranian wheat varieties. J Appl Poult Res . 22 (3): 388-395
- Sahraei.M., H. Janmmohamadi, A. Taghizadeh, G. A. Moghadam, S. A. Rafat. 2013. Estimation of the relative bioavailability of several zinc sources for broilers fed a conventional corn-soybean meal diet. The Journal of Poultry Science. 50 ( 1): 53-59
- Amirdahri. S., H. Janmohammadi, A. Taghizadeh, A. Rafat.2012. Effect of dietary aspergillus meal prebiotic on growth performance, carcass characteristics, nutrient digestibility, and serum lipid profile in broiler chick low-protein diets. Turk. J. Vet. Anim. Sci. 36(6): 602-610
- Kalvandi. O., H. Janmohammadi, and S Ghorbanali. Determination of protein quality and true metabolizable energy of high oil poultry by- product meal. African Journal of Agricultural Research. 6(8) :1983-1989
- Assadi. E., H. Janmohammadi , A. Taghizadeh , and S. Alijani.2011. Nutrient composition of different varieties of full fat canola seed and nitrogen corrected true metabolizable energy of full fat canola seed with and without enzyme addition and thermal processing J. Appl. Poult. Res. 20 :95–101
- Rafat. S.A., P. Namavar, D.J. Shoja, H.Janmohammadi, H.Khosroshahi.2011. Estimate of the genetic parameters of turkey body weight using random regression analysis. Animal. 5:11. 1699-1704
- Golian. A., L.D. Campbell, C.M. Nyachoti, H. Janmohammadi and J. A. Davidson.2007. Nutritive value of an extruded blend of canola seed and pea(Enermax TM ) for poultry. Can. J. Anim. Sci. 87: 115–120
- Sahraei. M., H.Janmohammadi.2014. Effect of dietary supplementation by synbiotic and different zinc sources on broiler chicken performance, immune system and intestinal morphology. Journal of Veterinary Research. 69(3):271-282.(Only Abstract is available as English)

## **Selected Papers Presented at International Scientific Assemblies**

- Farshadian. S., H. Janmohammadi, R.Kianfar. Chemical composition and true metabolizable energy content of corn co –products in cecectomized and intact adult roosters. 2016.World's poultry Science Congress. Beijing. China
- Sahraei. M., H. janmohammadi, A. Taghizade, G.A. Moghaddam, S. A. Rafat. 2015.Effects of synbiotic on zinc absorption in different segments of broiler chicken intestine by everted gut sacs technique. The potential for poultry production in developing countries. Antalya. Turkey
- Sahraei. M., H. janmohammadi .2013.Estimation of the relative bioavailability of several zinc sources for broilers fed conventional diets. The international congress on advancement in poultry production in the Middle East and African countries. Turkey
- Janmohammadi. H, A Taghizadeh, G.A Moghaddam, N. Pirany, H. Davarpoor, S. Amirdahri .2009. Ileal Energy and protein digestibility in broiler diets containing poultry by-product meal from Iran. 2<sup>nd</sup> Mediterranean Summit of WPSA.Antalya. Turkey
- Amirdahri. S., H. Janmohammadi, A. Taghizadeh, A.S. Rafat and H. Davarpoor 2009.Effect of prebiotic on ileal digestibility of crude protein in broiler diets. 2<sup>nd</sup> Mediterranean Summit of WPSA.Antalya. Turkey
- Janmohammadi. H., H. N Moghadam, J.Pour Reza, M. D. Mesgaran, A. Golian .2008. AMEn content of meat and bone meal in different levels substitution with a corn- based diet in feeding roosters. 1<sup>th</sup> Mediterranean Summit of WPSA, Porto Carras, Chalkidiki. Greek

- Asadi. E., H. Janmohammadi A. Taghizadeh , S. Alijani.2008. TMEn content of three varieties of full- fat canola seeds with or without enzyme addition. 1<sup>th</sup> Mediterranean Summit of WPSA,07-10, Porto Carras, Chalkidiki. Greek
- True Metabolizable energy in meat and bone meal from Iran. 2006. Poultry Science Association 95<sup>th</sup> Annual Meeting , University of Alberta
- Janmohammadi, H and P.yasan.A.Taghizadeh, J. Shoja and A.Nikkhah. 2002. Chemical Composition of some feedstuffs in East Azerbaijan Province. British Society of Animal Science Annual Meeting .UK.

## **Selected Papers Presented at National Scientific Assemblies**

- Janmohammadi. H.2010 Comparison of two AA digestibility techniques for meat and bone meal in poultry. 4<sup>th</sup> National Iranian Congress on Animal Science.Tehran. Iran
- Janmohammadi. H. 2012. A review on AA digestibility techniques in poultry (invited speaker). 5<sup>th</sup> National Iranian Congress on Animal Science. Esfahan. Iran
- Sahraei. M., H. janmohammadi. 2012.Bioavailability of different zinc sources in broiler chicks. 5<sup>th</sup> National Iranian Congress on Animal Science. Esfahan. Iran
- Rezaei. A.T., F. Mirzaei,J.S.Davati. H. janmohammadi. 2012.TMEn content of poultry by-product meal and meat and bone meal from Ardabil province in cecectomized adult roosters. 5<sup>th</sup> National Iranian Congress on Animal Science. Esfahan. Iran
- A review on mineral digestibility techniques in poultry (Invited speaker).2014. 6<sup>th</sup> National Iranian Congress on Animal Science. Tabriz. Iran
- Ebrahimi.S.H., H. janmohammadi, S .A. Mirghelenj. S. Alijani. 2014. Effects of different levels of Lys and Thr on broilers growth performance. 6<sup>th</sup> National Iranian Congress on Animal Science. Tabriz. Iran
- Oliaei.M., H. janmohammadi, S .A. Mirghelenj, R.Kianfar, S. Alijani and A.Javanmard.2016.The effects of bovine lactoferrin on the carcass traits and weights of small intestine of broiler chickens. 7<sup>th</sup> National Iranian Congress on Animal Science. Tabriz. Iran.
- Oliaei. M., H. janmohammadi, S .A. Mirghelenj, R.Kianfar, S. Alijani and A.Javanmard.2016.Effect of bovine lactoferrin on cell mediated immune function in broiler chickens. 7<sup>th</sup> National Iranian Congress on Animal Science. Tabriz. Iran.