

**Personal
Information**

Name	Rabie Abdul-Hamaid Hafiz Irshaid
Place and date of birth	Kuwait - 15/12/1974
Faculty	School of Agriculture
Department	Department of Animal Production

Qualifications

Qualification	Specialization	Donor	Date
PhD	Animal nutrition	German Academic Exchange Service (DAAD)	2007
Master	Animal production	Private	2000
Bachelor	Animal Production	Private	1997

Specialization and domain of interest

Specialization	Animal Nutrition
Domain of interest	Ruminant management and nutrition, improving feed quality, use of feed additives and enzymes to improve feed digestion, energy and protein evaluation in feed, fodder barley and silage production

Title and abstract of doctoral thesis**Title and abstract of PhD thesis (within 200 words)**

**Estimating Intestinal Digestibility
of Feedstuffs for Ruminants Using Three-step in Situ-in Vitro and in Vitro
Procedures**

The overall objective of this thesis was to develop and establish a completely laboratory-based in-vitro procedure for estimating (small) intestinal digestibility of ruminally undegraded feed protein. In the first trial, sixty-six feed samples were used to estimate intestinal protein digestibility (IPD) with a three-step in-situ in-vitro procedure (ISIVP) and a mobile-bag technique (MBT). Feed samples were first incubated in the rumen of fistulated cattle for 16 h, then the residues were incubated in pepsin-HCl solution (pH 1.9) for 1 h and the residues of this step were incubated in pancreatin solution for 24 h. In the second trial, forty-nine of the previously evaluated feed samples were utilized to develop and establish an enzymatic in-vitro procedure (EIVP) involving the subsequent digestion of samples with a protease from *Streptomyces griseus* and pepsin-pancreatin for estimating the IPD of rumen undegradable protein. Feeds were incubated for 18 h in a buffer solution at a constant ratio of *S. griseus* protease to feed true protein (41 U/g). Results from the EIVP closely resembled those obtained with the ISIVP and thus, the completely laboratory-based, standardized EIVP can replace the more invasive ISIVP for estimating IPD of a wide range of feedstuffs for ruminants.

Career Experience

Job Title	Place of work	Date
Associate professor	Animal production department- School of Agriculture – The University of Jordan	2020-till now
Assistant professor	Animal production department- School of Agriculture – The University of Jordan	2013-2020
Full-time researcher	Agricultural Research, Training, Extension and Education Institute - The University of Jordan	2010-2013

Research assistant	Animal production department- School of Agriculture – The University of Jordan	2001-2003
Research assistant	Animal production department- School of Agriculture – The University of Jordan	1998-2000

Publications

Research title, Publisher, Date	Researcher Name (s)
<p>Uncovering of subclinical necrotic enteritis in broiler chicken in Jordan</p> <p>Agrociencia 2021, 50(10): 56-68</p>	<p>F. M. Hayajneh R. Irshaid</p>
<p>Milk Production and Composition with some Blood Metabolites Response of Holstein Dairy Cows Fed Treated Barley Straw with Feed Additives as an Alternative Roughage Source.</p> <p>Fresenius Environmental Bulletin 2020, 29(10): 9481-9489</p>	<p>R. Irshaid, A. Abdelqader, M. Abuajamieh, M. Al-Qaisi, F. M. Hayajneh T. M. Al Antary</p>
<p>Effects of organic zinc on the performance and gut integrity of broilers under heat stress conditions.</p> <p>Archives Animal Breeding 2020, 63: 125–135</p>	<p>M. Abuajamieh, A. Abdelqader, R. Irshaid, F. Hayajneh, J. M. Al-Khaza'leh, A. Al-Fataftah</p>
<p>Evaluation of commonly used anthelmintics resistance against Gastrointestinal Parasites Infection in Awassi Sheep in Jordan compared with alternative herbal anthelmintics</p> <p>American Journal of Animal and Veterinary Sciences 2019, 14 (2): 122-126</p>	<p>F. Hayajneh, H. Titi, M. Alnimer, R. Irshaid</p>

<p>Effect of feeding rumen-protected methionine with calcium salts and yeast on productive performance of lactating ewes when fed barley straw.</p> <p>Journal of Experimental Biology and Agricultural 2019, 7(2): 233 – 242</p>	<p>R. Irshaid, A. Abdelqader, M. Abuajamieh, F. Hayajneh, H. Titi</p>
<p>Factors influencing Awassi lambs survivorship under fields' conditions.</p> <p>Livestock Science 2017, 199: 1–6</p>	<p>A. Abdelqader, R. Irshaid, M. Tabbaa, M. Abuajamieh, H. Titi, A. Al-Fataftah</p>
<p>Effects of pregnancy and disease stress on the antioxidative capacity of sheep and goat.</p> <p>Journal of Experimental Biology and Agricultural 2016, 4(V-Suppl.):605-609</p>	<p>F. Hayajneh, A. Abdelqader, R. Irshaid</p>
<p>Effects of dietary probiotic inclusion on performance, eggshell quality, cecal microflora composition, and tibia traits of laying hens in the late phase of production.</p> <p>Tropical Animal Health and Production 2013, 45: 1017-1024</p>	<p>A. Abdelqader, R. Irshaid, A. Al-Fataftah</p>

Funded projects

No.	Research Project Title	Research supporting body	Funding value (Thousand JD)	Year	Duration (year)
1	Improving nutritive value of cereals and legumes straws for ruminant nutrition by either aqueous ammonia treatment or fibrolytic enzymes with addition of some feed additives	Scientific Research Support Fund (SRSF)	75	2011-2015	4
2	Using of various energy sources in ruminant rations with some rumen-protected essential amino acids and its effect on ruminant's productive performance	Deanship of Scientific Research (DAR)	14	2011-2015	4

3	Investigation of Factors Influencing Awassi Lambs Survivorship under Extensive and Semi-Extensive Production Systems	Scientific Research Support Fund (SRSF)	40	2011-2013	2
4	Effects of organic zinc on the performance and gut integrity of poultry under heat stress conditions	Deanship of Scientific Research (DAR)	17	2016-2018	2
5	Effects of organic zinc on the performance and gut integrity of lambs under heat stress conditions	Deanship of Scientific Research (DAR)	15	2017-2019	2

Training course (s)

Course name and organizer	Date
1. Patents and Intellectual Properties (Accreditation and Quality Assurance Center, The University of Jordan)	11/11/2021
2. Open Educational Resources (Accreditation and Quality Assurance Center, The University of Jordan)	21/10/2021
3. Designing content for Blend Learning Courses (Open Educational Resources and Blended Learning, The University of Jordan)	1/7/2021
4. Using Moodle in Testing (Open Educational Resources and Blended Learning, The University of Jordan)	23/6/2021
5. Using Teams for Online Learning (Open Educational Resources and Blended Learning, The University of Jordan)	16/6/2021
6. Multiple choice questions (MCQ) test item analysis (Accreditation and Quality Assurance Center, The University of Jordan)	29/3/2021
7. Building exams on the university's electronic exam platform (Accreditation and Quality Assurance Center, The University of Jordan)	24/9/2020
8. Information security awareness in cyberspace (Accreditation and Quality Assurance Center, The University of Jordan)	2/2/2020
7. Effective use of PowerPoint in education and scientific research (Accreditation and Quality Assurance Center, The University of Jordan)	20/12/2018
8. Problem-based learning (Accreditation and Quality Assurance Center, The University of Jordan)	30/10/2018

9. Supervision of theses (Accreditation and Quality Assurance Center, The University of Jordan)	23/4/2018
10. Increase the rates of citing scientific research (Accreditation and Quality Assurance Center, The University of Jordan)	16/4/2018
11. The role of university students in raising the efficiency of the culture of internal quality assurance and achieve the requirements of external accreditation (Accreditation and Quality Assurance Center, The University of Jordan)	23/4/2017
12. Training courses for the development of faculty members (Human Resources Development Center, The University of Jordan)	25/8- 4/9/2013

Teaching activities

Taught Courses	Bachelor	Graduate
Principles of Animal production (602101)	■	<input type="checkbox"/>
Animal Feeds and Feeding (602382)	■	<input type="checkbox"/>
Ruminant Nutrition (602485)	■	<input type="checkbox"/>
Dairy cattle Nutrition (602487)	■	<input type="checkbox"/>
Seminar in Animal Production (602491)	■	<input type="checkbox"/>
Ruminant Nutrition (632782)	<input type="checkbox"/>	■
Feed evaluation systems (602984)	<input type="checkbox"/>	■