

**CV**

**Dr. Talal A. Abdulkareem**

**2015**



**“Curriculum vitae”  
Of  
Dr. Talal A. Abdulkareem**

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**1- Personal :**

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University of Baghdad.

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: [talal.abdulkareem@fulbrightmail.org](mailto:talal.abdulkareem@fulbrightmail.org)  
(Fulbright Visiting Scholar)

: [TAAbdulkareem@coagri.uobaghdad.edu.iq](mailto:TAAbdulkareem@coagri.uobaghdad.edu.iq) (Official)

**Marital status:** Married to a PhD Spouse, have 3 Children

**Birth date:** 5/7/1965

**Nationality:** Iraqi

**Sex:** Male

**Residence:** Iraq

**2- Highlights of qualifications:**

- Experience in projects management, extension services and field practices.
- Team member of over 20 agricultural projects.
- Experience in animal production extension (Dairy cattle, sheep, goat, buffalo and camel).
- Supervision of more than 15 agricultural extension projects.
- Consultant of Embryo transfer project in Iraq.

- Team oriented and ability to take initiative.
- Very high respect for and appreciation of cultural differences.
- Experience in teaching, research, technology transfer and investment cycle.
- Experience in animal and Human anatomy, hematological and blood biochemical analysis, semen evaluation, seminal plasma biochemical analysis, Histo-morphometric analysis, hormone assay by RIA and ELISA techniques.

### **3- Professional:**

#### **3-1 Education:**

<b>Degree</b>	<b>University</b>	<b>Country</b>	<b>year</b>
B.Sc. in Animal Science	University of Baghdad	Iraq	1990
M.Sc. in Animal Science, Reproductive Physiology	University of Baghdad	Iraq	1995
PhD in Animal Reproductive Physiology and Biotechnology	University of Baghdad	Iraq	2008

#### **3-2 Academic Degree:**

<b>Degree</b>	<b>University</b>	<b>Year</b>
Assistant lecturer	University of Bagdad, Iraq	1996
Lecturer	University of Baghdad	2001
Assistant Professor	University of Bagdad	2008
Waiting Professor Scientific Promotion	University of Bagdad	2015

### **4- Experience in Animal Production Schemes Management and Consulting (Field Projects)**

- Animal Production consultative for Agricultural Extension Directorate, Artificial Insemination Department / Ministry of Agriculture. The philosophy of conducting on-farm research aiming to transfer animal production and reproductive physiology technologies to the livestock owners (1997-until now).
- Providing consultancies to private livestock sector schemes related to developing sheep and goat production (1998-until now).

- Three years-training courses curriculum preparation for animal owners (2009-2012) in collaboration with USDA and Texas A&M and Michigan State Universities, USA in the fields of sheep, goat and dairy cattle nutrition and management.
- Development the knowledge of Iraqi AI staff in collaboration with World Wide Sires Company, California, USA (2011).
- Consultative in "Iraqi Atomic Organization" for training their researchers for lab work and field practices and to improve the reproductive performance of Awassi sheep and local and Damascus goats (1999-2003).
- Livestock component coordinator. Assisted with the implementation of several buffalo and sheep nutrition and health projects under ARDI, USAID development programs to promote improved nutritional regimes to increase the incomes of the poorest animal owners in Iraq (2005-2008).
- Field consultative in Al- Duboni Sheep Breeding Station in Wasit province (1999-2001). During the two years of working in this station, the fertility and prolificacy were increased to 93% using vitamins and nutritional management tools.
- Field and lab consultative in "Al-Fudhaleyah Research station (1999-2002). During this period, body condition score and reproductive efficiency of rams and ewes were improved using feeding blocks fed during different reproductive stages.
- Development of management tools for AI Department, Ministry of Agriculture during heat stress period (1999-until now).
- Developing of focus groups that investigated the obstacles on the levels of business and services of different jobs in Iraq as well as to identified the chain values of these jobs (2009).
- Development of dairy cattle, buffalo and camel early pregnancy detection tools using PSPB in cooperation with Biotracking LLC Company and University of Idaho, USA (2007-2015).

- Planning and supporting developmental projects such as AI and livestock technology transfer (2004-until now).
- Researcher in the Goat Breeding Station (GBS), IPA Agricultural Research Center for improving the productive efficiency of both males and females (Sheep and goats) using hormonal and nutritional regimes (1995-2003).

## **5- Field Extension Activities**

- 1- Livestock component coordinator. Assisted with the implementation of several buffalo and sheep nutrition and health projects under ARDI, USAID development programs to promote improved nutritional regimes to increase the incomes of the poorest animal owners in Iraq (2005-2007).
- 2- Animal Production consultative for Agricultural Extension Organization, Artificial Insemination Center/ Ministry of Agriculture (2008 – until now).
- 3- Three years training courses curriculum preparation (2009-2012) for animal owners in Iraq related to animal reproductive physiology, nutrition, intensive production and management for sheep, goat, cattle and buffalo.
- 4- Coordinator and lecturer in the 7-days training course in the field of "Ruminant Nutrition and Extension Methodology" organized by Iraq Agricultural Extension Revitalization Project in cooperation with Borlaug Institute, Texas A&M University, USA (2010) .
- 5- Coordinator and Lecturer of Sheep Production Training Course in Babil province, 27-29 March, 2011, for training of agricultural engineers, extension employees and veterinarians for sheep nutrition, reproduction, management and health, funded by Babil Provincial Reconstruction Team, US Embassy and 4-points company.

- 6- Developing and evaluating many extension projects (more than 20 projects) and proposals related to the livestock production pertaining to the Directorate of Agricultural Extension and Training, Ministry of Agriculture (2004-until now).
- 7- Participation (as a committee member) in developing specialized extension Diploma program opened at the College of Agriculture, University of Baghdad for graduating specialized extension employees (2011- till now).

## **6- Work Experience:**

### **6-1.Summary of experience:**

<b>Position</b>	<b>Institute</b>	<b>year</b>
<ul style="list-style-type: none"> <li>- Assistant Professor, Animal Science Department</li> <li>- Consultative of dairy cattle, buffalo , sheep and goat production and extension projects.</li> <li>- Advisory of Artificial Insemination Department, Ministry of Agriculture, Iraq.</li> <li>- Economic feasibility preparation for dairy cattle, buffalo and sheep feedlot schemes.</li> <li>- Participation as head or team member for on-farm extension projects.</li> <li>- Training courses curriculum preparation for animal owners in cooperation with USDA and Texas A&amp;M University.</li> </ul>	University of Baghdad	September 2008- till now
<ul style="list-style-type: none"> <li>- Lecturer, Animal Science Department.</li> <li>- Consultative in "Iraqi Atomic Organization"</li> </ul>	University of Baghdad	October 2001–August 2008

<p>for training their researchers for lab work and field practices and extension.</p> <ul style="list-style-type: none"> <li>- Livestock component coordinator. Assisted with the implementation of several buffalo and sheep nutrition and health field extension projects under ARDI, USAID development programs.</li> </ul>		
<ul style="list-style-type: none"> <li>- Assistant Lecturer, Animal Science Department.</li> <li>- Consultative in Al-Duboni Sheep Breeding Station in Wasit province for sheep and goat projects.</li> <li>- Consultative in “Al-Fudhaleyah Research station for sheep and goat production.</li> </ul>	University of Baghdad	April 1996 – September 2001
Researcher, Livestock Reproductive Physiology	IPA Agricultural Research Center, Iraq	August 1995 – September 1996

## 6-2. Main duties and responsibilities:

### 6-2-1. Assistant Professor, Animal Production, September 2008- till now (Waiting for Professor scientific promotion)

- Teaching Animal and Human General and Reproductive Physiology, Endocrinology, Assisted Reproductive Techniques, Sheep and Goat Production as well as Buffalo Production for undergraduate students.
- Teaching Advanced Animal and Human Physiology, Environmental Physiology, Endocrinology, Gestation and Fertilization, Research Methods, Buffalo Production and Reproductive Management for graduate students.

- Developed new kit and method for purification and characterization of pregnancy-specific protein (PSPB) for early pregnancy detection in camel in cooperation with Biotracking LLC, Idaho, USA.
- Participation as a committee member of project proposals for more than 30 graduate students.
- Research work was done through M.Sc. and PhD work thesis and in collaboration with Research Centers pertaining to Ministry of Agriculture.
- Research laboratory work and students training in the field of hematology, blood biochemistry, semen evaluation and biochemistry and histo-morphometric analyses.
- Animal Production consultative for Agricultural Extension Organization, Artificial Insemination Center/ Ministry of Agriculture. The philosophy of conducting on-farm research aiming to transfer animal production and reproductive physiology technologies to the farmers. Results of adaptive and applied research and technology transfer were successful and the output was encouraging. Some of the techniques transferred to the farmers were, using hormonal treatment, treatment with Vitamin A, supplementation with trace elements, reducing embryonic mortalities and using some physiological traits to select rams of high fertility.
- Providing consultancies in private livestock sector.
- Training courses curriculum preparation for animal owners. Three years training topics (2009-2012) were as follows:
  - Sheep nutrition
  - Sheep feedlot schemes
  - Estrus detection in sheep
  - Sheep estrus synchronization programs
  - Early detection of pregnancy in sheep
  - Sheep flocks establishment
  - Sheep and goats breeds
  - Feed blocks for sheep nutrition
  - Business planning of red meat production enterprise
  - Lambs production
  - Lambs mortalities
  - Vaccination programs for sheep and goats
  - Dairy cattle nutrition



- Estrus detection and synchronization in dairy cattle
- Early pregnancy detection in dairy cattle
- Nutritional management of dairy cattle
- Recent advances in dairy cattle nutrition
- Silage production for livestock feeding
- Heifers production
- Importance of heat stress in dairy cattle
- Reproduction and nutrition
- Calves and lambs marketing
- Economic feasibility preparation for sheep feedlot and dairy cattle schemes.
- Advising on milk and meat processing projects as well as roughage production project.
- Planning and supporting developmental projects such as AI, livestock technology transfer.
- Developing of focus groups that investigated the obstacles on the levels of business and services of different jobs in Iraq as well as to identified the chain values of these jobs.
- Coordinator and lecturer in the 7-days training course in the field of "Ruminant Nutrition and Extension Methodology" organized by Iraq Agricultural Extension Revitalization Project in cooperation with Borlaug Institute, Texas A&M University, USA, 9-16 December, 2010.
- Coordination and lecturer presenting of Sheep Production Training Course in Babil province, 27-29 March, 2011, for training of agricultural engineers and veterinarians for sheep nutrition, reproduction, management and health, funded by Babil Provincial Reconstruction Team, US Embassy and 4-points company.
- Development of dairy cattle and buffalo early pregnancy detection using PSPB in cooperation with BioTracking LLC, Idaho, USA.
- Development the knowledge of Iraqi AI staff in collaboration with World Wide Sires Company, California, USA.
- As Editorial Board Member in different journals like Theriogenology Insight, Asian-Pacific Journal of Reproduction, Erudite Journal of Biotechnology, Hormonal Studies, International Journal of Advanced

Agricultural Research and as Lead Faculty (Physiology) in WebMed Central.

- Reviewer in Reproduction in Domestic Animals, Small Ruminant Research, African Journal of Biotechnology, Public Health Journal, Journal of Buffalo Science, Theriogenology Insight, Research Opinions in Animal and Veterinary Sciences.
- Published a new book " Early Pregnancy Detection in Iraqi Buffalo Using PSPB and Progesterone: Recent Approach for Improving Buffalo's Reproduction and Production" in Lambert Academic Publishing, Germany (2012).
- As Official Delegate of Iraq in International Buffalo Federation, Rome, Italy.
- Supervised 3 PhD students and 2 M.Sc. students.
- Research work was done through M.Sc and Ph.D. work thesis's.

#### **M.Sc. Students:**

- Effect of Kisspeptin in comparison with eCG protocol on some blood profile and reproductive performance of Karadi ewes (S. J. Kohammed; University of Sulaimani, 2015, continued).
- Binary combination adding effect of amino acids and enzymes to Tris extender and its effect on post-cryopreservation characteristics of Holstein bulls (M. Al-Rawi; University of Mosul, 2015 continued).

#### **PhD Students:**

- Isolation and purification of pregnancy-specific protein B (PSPB) from one-humped female camel (*Camelus dromedarius*) for early pregnancy detection (Y. T. Abdul-Rahaman; 2014, University of Baghdad).
- Effect of Kisspeptin in activating the reproductive performance of Cyprus goat bucks and does during out-breeding season (M. H. M Al-Ameri; 2015, University of Baghdad).
- Adding effect of some medicinal plants extracts to Tris and milk-based extenders on semen attributes of Holstein bulls (O. H. A. Al-Zaidy, 2015 (continued), University of Baghdad).

### **6-2-2. Lecturer, Animal Production, October 2001 – August 2008**

- Teaching Animal and Reproductive Physiology, Animal Production for undergraduate students.
- Consultative in "Iraqi Atomic Organization" for training their researchers for lab work and field practices and to improve the reproductive performance of Awassi sheep and local and Damascus goats.
- Research Laboratory work and students training in the field of hematology, blood biochemistry, semen evaluation and biochemistry and histo-morphometric analyses.
- Livestock component coordinator. Assisted with the implementation of several buffalo and sheep nutrition and health field extension projects under ARDI, USAID development programs to promote improved nutritional regimes to increase the incomes of the poorest animal owners in Iraq (2005-2007).

### **6-2-3. Assistant lecturer, Animal Production, April 1996 – September 2001.**

- Teaching of Animal and Reproductive Physiology, Animal Production for undergraduate students.
- Teaching Advanced Reproductive Physiology (Practical part) for post-graduate students.
- Researcher and field supervisor in the Goat Breeding Station (GBS), IPA Agricultural Research Center for improving the productive efficiency of both males and females (Sheep and goats) using hormonal and nutritional regimes. Hematological and blood biochemical analyses, semen biochemistry, hormone extraction were also involved.
- Field consultative in Al- Duboni Sheep Breeding Station in Wasit province. During the two years of working in this station, the fertility and prolificacy were increased to 93% using vitamins and nutritional management tools.
- Field consultative in “Al-Fudhaleyah Research station. During this period, body condition score and reproductive efficiency of rams and ewes were improved using feeding blocks fed during different reproductive stages.

- Development of management tools for AI Department, Ministry of Agriculture during heat stress period.

**6-2-4. Researcher, Livestock Reproductive Physiology, 1995 – 1996.**

- Analysis of hematology and blood biochemistry for sheep, goats and cattle.
- Extraction and purification of equine chorionic gonadotropin from equine serum for improving reproductive performance of livestock animals.
- Improving semen quality and fertility of local and crossbred goats using different nutritional and hormonal treatments.
- Support the research protocols for postgraduate students by providing them with scientific field and laboratory consultancies.

**7- Training courses:**

**7-1. Training courses that supervised:**

Title	Organization	Location	Year
Improve the reproductive performance of Awassi sheep and local and Damascus goats	Iraqi Atomic Organization	Iraq	1999
Sheep, goat and dairy cattle nutrition and management in collaboration with USDA and Texas A&M and Michigan State Universities, USA	Iraqi Red Meat Association	Iraq	2009-2012
Developing of focus groups that investigated the obstacles of business and services of different jobs in Iraq.	4-Points Business and TIJARA collaborations	Iraq	2009
Ruminant Nutrition and Extension Methodology"	Iraq Agricultural Extension Revitalization Project in cooperation with Borlaug Institute, Texas A&M University, USA	Iraq	2010

Development the knowledge of Iraqi AI staff.	World Wide Sires Company, California, USA.	Iraq	2011
Sheep Production	Babil Provincial Reconstruction Team, and 4-points company	Iraq	2011
Embryo Transfer in Cattle	Directorate of Agricultural Extension and Training and AI Department, Ministry of Agriculture	Iraq	2013
Improving Reproductive Efficiency of Dairy Cattle	College of Agriculture, University of Baghdad	Iraq	2014

**7-2. Training courses participated in with certification:**

<b>Title</b>	<b>Organization</b>	<b>Location</b>	<b>Year</b>
Training program on radioimmunoassay and ELISA	University of Jordan	Jordan	2007
Fulbright Visiting Scholar Program, Public Health Cohort	George Mason University and Department of States, USA	USA	2010
Embryo transfer techniques in cattle	FAO and Al-Nahrain University	Iraq	2010
Artificial Insemination and Dairy Cattle Management	World Wide Sires Company, California, USA	Iraq	2011
Embryo Transfer in Cattle	Directorate of Agricultural Extension and Training, Ministry of Agriculture	Iraq	2013
Cell Culture and Flow Cytometry Workshop.	Laboratory of Vaccines and Immunotherapeutic, Institute of Bioscience, UPM	Malaysia	2013

Training Program in Theriogenology and Cytogenetic	Laboratory of Theriogenology and Cytogenetics, Faculty of Veterinary Medicine, UPM	Malaysia	2013
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## **8- Regional and international scientific meetings attended:**

<b>Title</b>	<b>Organizations</b>	<b>Location</b>	<b>Year</b>
Regional Symposium of Integrated Crop – Livestock System in the dry area of West Asia and North Africa	ICARDA	Jordan	1997
symposium (A prospect of Artificial Insemination In Dairy Cattle)	Ministry of Agriculture IPA Agricultural Research Center	Iraq	1998
Second Scientific Conference of the College of Sciences	University of Baghdad	Iraq	1999
Second Scientific Conference of Agricultural Research (Animal Production)	Ministry of Agriculture	Iraq	1999
5 <sup>th</sup> Scientific Conference of Agricultural Research (Animal Production)	Ministry of Agriculture	Iraq	2003
Symposium of Advanced Technologies in Reproduction	University of Jordan	Jordan	2007
Symposium "Buffalo breeding in Iraq, problems and suggested solutions"	Iraqi Society of Animal Production Ministry of Agriculture	Iraq	2008
Symposium "Methods of Improving Buffalo Production in Iraq"	Iraqi Society of Animal Production Council of Baghdad Province	Iraq	2009
Conference " Livestock Feedlots: More Meat, More Income"	USAID – Inma	Iraq	2009
Symposium (Iraqi buffalo: prospective and perspective)	University of Qadissiyia	Iraq	2010
1 <sup>st</sup> Iraqi Buffalo Conference	Ministry of Agriculture	Iraq	2010

1 <sup>st</sup> International Conference of Agricultural and Natural Resources	Babylon University Razi University	Iraq	2011
2 <sup>nd</sup> Iraqi Buffalo Conference	Ministry of Agriculture	Iraq	2011
Symposium (Effect of heat stress on production and reproduction of dairy cattle)	Iraqi Society of Animal Production	Iraq	2012
17 <sup>th</sup> International Congress of Animal Reproduction	Society of Reproduction and Fertility	Vancouver Canada	2012
International Animal Science Congress of Turkish and Relative Communities.	Suleiman Demirel University	Isparta Turkey	2012
3 <sup>rd</sup> Iraqi Buffalo Conference	Ministry of Agriculture	Iraq	2012
Recent Advances in Dairy Cattle Nutrition (Symposium)	Department of Animal Resources, University of Baghdad	Iraq	2013
Camel Breeding in Iraq (Symposium)	Iraqi Society of Animal Production	Iraq	2013
Wealth of Plant Resources in Iraqi Desert (Symposium)	Ministry of Agriculture In Cooperation with Baghdad University	Iraq	2013
Dairy Cattle Breeding in Iraq (Symposium)	University of Diyala	Iraq	2013
1 <sup>st</sup> Scientific Conference for Animal Production Sciences and Technology	University of Baghdad	Iraq	2013
4 <sup>th</sup> Iraqi Buffalo Conference	Ministry of Agriculture	Iraq	2013
Golden Jubilee anniversary for Artificial Insemination in Iraq	Ministry of Agriculture	Iraq	2014
How to select cows for artificial insemination purpose? (Workshop)	University of Baghdad and Ministry of Agriculture	Iraq	2014
5 <sup>th</sup> Iraqi Buffalo Conference	Ministry of Agriculture	Iraq	2015
The Camel is the best future investment in Iraq (Symposium)	Ministry of Agriculture	Iraq	2015
7 <sup>th</sup> Balkan Animal Science Conference (BALNIMALCON), Sarajevo, Bosnia and Herzegovina, 3-6 <sup>th</sup> June, 2015.	Faculty of Agricultural and Food Science, University of Sarajevo	Bosnia and Herzegovina	2015

## 9. Recognition, acknowledgments and outstanding awards received

I have got many recognitions and acknowledgments as follow:

Organization	Year	Occasion
Presidential Office	1999	Outstanding achievements in getting the students Saddam awards
College of Agriculture	2001	Publishing a scientific resrach in international peer-reviewed journal "Small Ruminant Resaerch"
College of Agriculture	2002	Outstanding achievements in Gold Jubilee Ceremony of College of Agriculture, University of Baghdad
Ministry of Agriculture	2003	Active participation of the 5 <sup>th</sup> Scientific Conference for Agricultural Researches, having the outstanding paper.
College of Agriculture	2008	Outstanding achievements in the Department of Animal Resource and highly commitment of jobe responsibilities
College of Agriculture	2008	Outstanding efforts in organizing the books in the College central library.
College of Agriculture	2009	Outstanding efforts in establishment of the second scientific symposium at the Iraqi Scociety of Animal Production
College of Agriculture	2009	Outstanding efforts in selection and purchasing the dairy heifers from Al-Nasr Dairy Cattle Station for College of Agriculture
College of Veterinary Medicine, University of Anbar	2010	Publishing the scientific bulletin "Normal Physiological Values in Different Animal Species" and its scientific benefits for students.
Iraqi Agricultural Extension Revitalization Project pertaining to Borlauq Institute, Texas A&M University, USA	2010	Outstanding efforts in lecturing and managing the 7-days training course " Ruminat Nutrition and Extension Methodology"
College of Veterinary Medicine, University of Mosul	2011	Publishing the scientific bulletin "Normal Physiological Values in Different Animal Species" and its scientific benefits for students.
Technical Institute of Shatra	2011	Publishing the scientific bulletin "Normal Physiological Values in Different Animal Species" and its scientific benefits for students.
State Board of Agricultural Research	2011	Publishing the scientific bulletin "Normal Physiological Values in Different Animal Species" and its scientific benefits for



		students.
State Board of Agricultural Extension and Cooperation	2011	Outstanding Achievements in give pronounced lectures and training for the recent techniques to the extension employees
University of Baghdad	2011	Publishing a scientific resrach in international peer-reviewed journal" Reproduction in Domestic Animals"
College of Science, University of Basra	2011	Publishing the scientific bulletin "Normal Physiological Values in Different Animal Species" and its scientific benefits for students
College of Education, University of Basrah	2011	Publishing the scientific bulletin "Normal Physiological Values in Different Animal Species" and its scientific benefits for students
College of Agriculture, University of Basrah	2011	Publishing the scientific bulletin "Normal Physiological Values in Different Animal Species" and its scientific benefits for students.
College of Veterinary Medicine, University of Basrah	2011	Publishing the scientific bulletin "Normal Physiological Values in Different Animal Species" and its scientific benefits for students
College of Veterinary Medicine, University of Kufa	2011	Publishing the scientific bulletin "Normal Physiological Values in Different Animal Species" and its scientific benefits for students.
State Board of Agricultural Extension and Cooperation	2011	Outstanding supervision and following up for manufacturing the feed blocks and training the staff.
Embassy of United States of America, Iraq	2011	Outstanding achivements and exceptional assistance in training Iraqi livestock owners on behalve of Iraqi Red Meat Association.
College of Agriculture	2012	Outstanding achivements in the Central Examination Committee
College of Agriculture	2012	Active efforts in establishment of the second scientific symposium "Effect of heat stress in dairy cattle" at the Iraqi Sciciety of Animal Production
World Wide Sires, LTD, USA	2012	Give profound lectures and training the AI staff
State Board of Agricultural Extension and Cooperation	2012	Active efforts and participation in establishment of the 2 <sup>nd</sup> Scientific Conference "Domestic animals between heritage and contemporary" at Revive the Arab Scientific Heritage Center

State Board of Agricultural Extension and Cooperation	2012	Active efforts in giving the scientific lectures and training for extension employees.
College of Agriculture	2012	Participation in giving the scientific lectures in the field of nanotechnology
University of Baghdad	2012	Publishing a scientific research in international peer-reviewed journal "Animal Reproduction Science"
State Board of Agricultural Extension and Cooperation	2012	Participation in giving the scientific lectures in the field of nanotechnology
State Board of Agricultural Extension and Cooperation	2012	Participation in lecturing and training extension employees for animal management practices.
Revive the Arab Scientific Heritage Center	2012	Active efforts and participation in establishment of the 2 <sup>nd</sup> Scientific Conference "Domestic animals between heritage and contemporary
College of Agriculture	2013	Outstanding efforts for preparation and establishment of the 1 <sup>st</sup> Scientific Conference for Animal Science and Technology, being member of preparatory committee.
Ministry of Agriculture	2013	Outstanding efforts for preparation and establishment of the 3 <sup>rd</sup> Scientific Conference for Buffalo Development in Iraq, being member of preparatory committee
Embassy of United States of America, Iraq	2013	Active efforts in interview panels for 2013 Fulbright Foreign Students Program.
College of Agriculture	2014	Outstanding achievements in reviewing the manuscripts belong the 1 <sup>st</sup> Scientific Conference for Animal Science and Technology and publishing in "The Iraqi Journal of Agricultural Science"
College of Agriculture	2014	Recognized efforts for establishing the training course "Improving the reproductive efficiency of dairy cattle" on behalf the Directorate of Agricultural Extension and Training employees.
College of Agriculture	2015	Outstanding achievements for supervision and following up the PhD student "Yassen Taha Abdul-Rahaman" in his recognized PhD dissertation.
College of Veterinary Medicine, University of Fallujah	2015	Acknowledgment for gifting a copy of book "march of the Artificial Insemination in Iraq (1955-2014)"
College of Science, University of Baghdad	2015	Outstanding efforts for being member of PhD examining committee

## **10. Other contributions and activities:**

### **10.1- Scientific societies membership:**

- Secretary General of Iraqi Society of Animal Production (ISAP).
- Founder of Iraqi Red Meat Association (IRMA)
- Lead Faculty (Physiology) in Webmed Central organization, UK.
- Member in International Association of Computer Science and Information Technology (IACSIT), Singapore.
- Member in Reproductive Biology and Genetics Society (RBGS), Singapore.
- Member in International Veterinary and Information Services (IVIS), USA.
- European Society for Domestic Animal Reproduction (ESDAR).

### **10 -2. Activities:**

- During the past 19 years, I worked through many scientific committees planning and giving field consultations in dairy cattle, sheep and buffalo reproductive physiology, livestock production schemes and livestock extension services.
- Participation as panelists for interviewing students applying for exchange programs in cooperation with Cultural Affairs Section in US Embassy- Iraq.
- Published book "Early pregnancy detection of Iraqi buffalo using PSPB and progesterone" by LAP Lambert Academic Publishing, Germany, 2012.
- Published a text book "Buffalo Production" in Arabic language, 2014.
- Published book "Normal Values of Different Animal Species" in English language, 2014.
- Evaluating over 100 scientific papers for publication in local, regional and international scientific journals.
- Regional Editor/ Iraq in Theriogenology Insight Journal.
- Reviewers of International and local specialized journals like Reproduction in Domestic Animals, Small Ruminant Research, African Journal of Biotechnology, International Journal of Public Health, American Journal of Biomedical and Life Science, Research Opinions in Animal and Veterinary Sciences ,Iraqi Journal of Agriculture Science,

Al-Anbar Journal of Agriculture Science, Diyala Journal of Agriculture Science and Tekrit Journal of Agriculture Science.

- Lead Faculty (Physiology) in WebMed Central.
- Member of the exam committees of 15 M.Sc. and Ph.D. students.
- Member of numerous sheep, goat and cattle advisory committees.

### **10 -3. Journal Editorial Board Membership**

1. Theriogenology Insight.
2. Asian-Pacific Journal of Reproduction.
3. Hormonal Studies.
4. Erudite Journal of Biotechnology.
5. International Journal of Advanced Agricultural Research.
6. Lead Faculty (Physiology) in WebMed Central.
7. American Journal of Life Sciences, Science Publishing Group, USA.
8. American Journal of Agriculture and Forestry, Science Publishing Group, USA.
9. Animal and Veterinary Science, Science Publishing group, USA.
10. International Journal of Applied Agricultural Sciences, Science Publishing Group, USA.

### **10-4. International and local Journals Reviewer**

- 1- Reproduction in Domestic Animals.
- 2- Small Ruminant Research.
- 3- African Journal of Biotechnology.
- 4- International Journal of Public Health.
- 5- American Journal of Biomedical and Life Science.
- 6- Hematology and Leukemia
- 7- Open Journal of Obstetric and Gynecology
- 8- Journal of Buffalo Science.
- 9- Research Opinions in Animal and Veterinary Sciences.
- 10- Journal of Gynecology and Obstetrics
- 11- American Journal of Agriculture and Forestry, Science Publishing group, USA
11. Animal and Veterinary Science, Science Publishing group, USA.
12. American Journal of Agriculture and Forestry, Science

- Publishing group, USA.
13. Iraqi Journal of Agricultural Science.
  14. Al-Anbar Journal of Agriculture Science.
  15. Al-Anbar Journal of Veterinary Science.
  16. Diyala Journal of Agriculture Science.
  17. Tekrit Journal of Agriculture Science.

## **11. Area of Interest**

- 1- Early detection of pregnancy and embryonic mortality in cattle, buffalo and camel using pregnancy-specific protein B (PSPB) using ELISA technique, plasma progesterone and ultrasonography.
- 2- Improving productive and reproductive performance of sheep, goat, dairy cattle and buffalo using different dietary treatments and management practices.
- 3- Extraction and purification of placental proteins from livestock species.
- 4- Improvement of semen quality and quantity using hormonal and nutritional methods in bulls, rams and goats.
- 5- Factors influenced spermatogenesis, puberty and testicular development in bulls, ram, camel and bucks.
- 6- Semen cryopreservation using large molecules and different egg-yolk types from different types of birds.
- 7- Relationship between hematological and blood biochemical profile and changes occurs during pregnancy in buffalo.
- 8- Sperm DNA Damage detection using Comet assay and Flow Cytometry.
- 9- Adding different antioxidants to Tris extender and Its effects on post-cryopreservation semen quality in Holstein bulls and Damascus bucks.

## **12. Languages:**

- Arabic - Excellent. (native)
- English - Very good.

## **13. References:**

Name	Job	E-mail	Phone
Prof. Dr. Azhr H. Al-Haboby	Executive Manager, Hail Agriculture, UAE Coordinator of HASAD Project in Iraq, ICARDA	<a href="mailto:ahalhaboby@hotmail.com">ahalhaboby@hotmail.com</a>	(Mob): +9647821851833 +971506253983
Dr. Naufal H. Rasheed	Advisor of Agricultural Policy & Investment Ministry of Agriculture & Fisheries Muscat - Sultanate of Oman	<a href="mailto:naufalhrasheed@gmail.com">naufalhrasheed@gmail.com</a>	(Mob): +96894176956
Prof. Dr. Mark Varner	Professor Emeritus Association of Public and Land-grant Universities, Washington, USA	<a href="mailto:mvarner@aplu.org">mvarner@aplu.org</a>	(Mob)+ 1-240-281-6772
Prof. R.G. Sasser	BioTracking LLC, Moscow, Idaho, USA.	<a href="mailto:gsasser@biotracking.com">gsasser@biotracking.com</a>	(Mob)+0112083014146
Prof. Dr. Lisa Pawloski	Professor and Chair Department of Nutrition and Food Studies, Georg Mason University, USA.	<a href="mailto:lpawolosk@gmu.edu">lpawolosk@gmu.edu</a>	(Mob)+1-703-993-4628

## 14. Publications

### 14-1. Books

- 1- Early pregnancy detection of Iraqi buffalo using PSPB and progesterone” by LAP Lambert Academic Publishing, Germany, (English Language) 2012.
- 2- The march of the artificial insemination in Iraq (1955-2014), (Arabic and English Languages), Ministry of Agriculture Publisher, 2014.
- 3- Buffalo Production (Arabic language), University of Baghdad Publisher, 2015.
- 4- Normal Values of Different Animal Species (English language), University of Baghdad Publisher, 2015.
- 5- Evaluation of Artificial Insemination activities for cattle in Iraq: Survey study. 2015.

### 14-2. Research Papers

- 1- **Abdulkareem, T.A. 1995.** Effect of vitamin A on spermatogenesis in lambs and semen quality and libido of Awassi rams. M.Sc. Thesis, College of Agriculture, University of Baghdad.

- 2- **Al-Haboby, A.H., Abdulkareem, T.A. , Khatab, G.K. 1997.** Effect of vitamin A on the reproductive performance of Awassi sheep. Regional Symposium of Integrated Crop – Livestock System in the dry area of West Asia and North Africa , 6-8 Nov., Amman – Jordan , pp. 300.
  
- 3- **Al-Haboby, A.H., Abdulkareem, T.A. , Alkass, J.E. 1997.** Effect of vitamin A on testicular growth and spermatogenesis of Awassi ram lambs. *Dirasat, Agricultural Science*, 24 (1): 16-26.
  
- 4- **Al-Hassani, D.H., Al-Khafaji, S.K.H. , Abdulkareem, T.A. 1997.** Effect of intermittent compared with continuous light on testicular growth and history of broiler chickens reared under high temperature. *Indian J. Anim. Sci.* 67 (10): 894-896.
  
- 5- **Al-Haboby, A.H., Abdulkareem, T.A. , Ibrahim, F.F. 1997.** Semen quality and freezability of Holstein bulls as influenced by short term administration of prostaglandin F<sub>2</sub>  $\alpha$  analogue. *Mesopotamia J. Agric.* 29: 4-15.
  
- 6- **Al-Haboby, A.H., Abdulkareem, T.A. , Alkass, J.E. 1997.** Plasma testosterone and semen quality of Awassi rams as influenced by long term vitamin A shortage , *Dirasat , Agricultural Science* , 24 (2) : 193-203.
  
- 7- **Al-Haboby, A.H., Al-Haboby, A.H. Jr., Hamra, A.H. , Abdulkareem, T.A. 1998.** Pubertal microstructural changes of the tests and the epididymis of the one-humped camel in Iraq (*Camelus dromedarius*). *Iraqi J. Biol. Sci.*, 17: 30-49.
  
- 8- **Al-Haboby, A.H., Salman, A.D. , Abdulkareem, T.A. 1999.** Influence of protein supplementation on reproductive traits of Awassi sheep grazing cereal stubble. *Small Ruminant Research*, 34: 33-40.
  
- 9- **Alkass, J.E., Abdulkareem, T.A. , Al-Anbari, N.N. 1999.** The combined effect of PMSG and vitamin A administration on some reproductive performance of Awassi ewes. *Iraqi J. Agric. (Special Issue)*, 4 (6): 128-135. *Proc. 2<sup>nd</sup>. Sci. Conf., (Animal Production)*. 2-3 Nov. Baghdad, Iraq.

- 10- Al-Khazraji, A.A., Abu-Tabeikh, S.M., Abdulkareem, T.A. , Mahdi, U.A. 2000.** Reproductive performance responses of Awassi ewes following different levels of PMSG administration. *Iraqi J. Agric. Sci.*, 31 (3): 681-688.
- 11- Al-Timimi, M.T., Mustafa, S.R.; Abdulkareem, T.A. and Balsem, A.N. 2001.** Hematological changes associated with acute exposure to copper in *Cyprinus carpio* fish. *Iraqi J. Agric. Sci.* 32 (3): 155-158.
- 12- Ishak, M.A., Al-Haboby, A.H. , Abdulkareem, T.A. 2001.** Morphometry of the ovary and uterus after progesterone treatment. *Mesopotamia J. Agric.*, 33 (1): 1-12.
- 13- Ishak, M.A., Al-Haboby, A.H. , Abdulkareem, T.A. 2001.** Effect of post-mating progestagen supplementation on the concentration of uterine and embryonic fluid proteins. *Iraqi J. Agric. Sci.*, 33 (3): 249-256.
- 14- Abdulkareem, T.A. 2001.** Reproductive performance of Awassi ewe lambs following treatment with equine chorionic gonadotropin. *Iraqi J. Agric. Sci.* 33 (2): 263-266.
- 15- Abdulkareem, T.A., Al-Mjamei, S.M., Hamra, A.H. , Al-Haboby, A.H. 2003.** Effect of post – mating gonadotropin injection on serum proteins in Iraqi goats. *Iraqi J. Agric. (Special Issue)*, 8 (6): 88-94. Proc. 5<sup>th</sup> Sci. Conf., Animal Production, 22-24 Feb., Baghdad, Iraq.
- 16- Al-Haboby, A.H., Abdulkareem, T.A., Al-Mjamei, S.M. 2004.** Morphometric observation on the epididymis of Awassi ram lambs Associated with vitamin A supplementation. *J. Sc. Tech.*, 5 (1): 145-161.
- 17- Alkass, J.E., Abdulkareem, T.A. , Al-Mjamei, S.M. 2004.** Reproductive performance of Iraqi Awassi ewes in response to treatment with equine chorionic gonadotropin. *J. Agric. Invest.* , 2: 74 – 77.
- 18- Abdulkareem, T.A., Al-Haboby, A.H., Al-Mjamei, S.M. , Hobi, A.A. 2005.**



Sperm abnormalities associated with vitamin A deficiency in rams. *Small Rumin. Res.*, 57: 67 – 71.

- 19- Ishak, M.A., Abdulkareem, T.A. and Al-Fahdawi, F.A.M., Alwan, M.T. 2005.** The effect of breeding group and vitamin C in some semen characteristics of bucks. *Iraqi J. Agric. Sci.*, 36 (4):
- 20- Abdulkareem, T.A. 2005.** Seminal proteins of Holstein – Friesian bulls associated with vitamin C supplementation. *Iraqi J. Agric. Sci.*, 36 (4): 185 - 189.
- 21- Al-Ani, A.A., Ishak, M.A.; Al-Rawi, A.A. and Abdulkareem, T.A. 2008.** Effect of genetic value on semen quality and sexual activity of Holstein – Friesian bulls. *Jordanian J. Agric. Sci.*, 4 (1): 115 – 124.
- 22- Abdulkareem, T.A., Al-Sharifi, S.A.M. , Eidan, S.M. 2009.** Improving some of the reproductive and productive performance of Iraqi buffaloes using improved nutritional regimen. 6<sup>th</sup> Asian Buffalo Congress, Lahore, Pakistan, 27-30 October, 2009.
- 23- Abdulkareem, T.A.; Al-Sharifi, S.A.M.; Ishak, M.A.; Eidan, S.M.; Alnimr, M.A.; Passavant, C.W.; Branen, J.R. And Sasser, R.G 2011.** Early pregnancy diagnosis of Iraqi riverine buffaloes using BioPRYN enzyme-linked immunosorbent assay for PSPB and progesterone assay. *Reprod. Dom. Anim.*, 46: 455 – 462.
- 24- Abdulkareem, T.A., Al-Sharifi, S.A.M., Eidan, S.M. and Al-Amily, H.J. 2011.** Testicular measurements and sexual activity of Awassi rams and their crosses with D'man sheep. *Dirasat, Agricultural Sciences*, 38 (1): 23 – 27.
- 25- Abdulkareem, T.A., Eidan, S.M., Mahmoud, F.A. and Al-Anbari, N.N. 2012.** Influence of propolis extract treatment on some blood mineral levels of Turkish Awassi lambs. *Diyala Agricultural Science Journal*, 4: 9-16.
- 26- Abdulkareem, T.A., Al-Sharifi, S.A.M., Eidan, S.M. and Sasser, R.G.**

2012. Productive and reproductive performance of Iraqi buffalo as influenced of pre-mating and pre-calving concentrate supplementation. Pakistan Vet .J. 32:345-348.
- 27- **Abdulkareem, T.A.; Eidan, S.M.; Ishak, M.A.; Al-Sharifi, S.A.M.; Alnimer, M.A.; Passavant, C.W.; Branen, J.R., Sasser, R.G 2012.** Pregnancy- specific protein B (PSPB), progesterone and some biochemical attributes concentrations in the fetal fluids and serum and its relationship with fetal and placental characteristics of Iraqi riverine buffalo (*Bubalus bubalis*) Anim. Reprod. Sci., 130: 33- 41.
- 28- **Al-Ani, A.A., Abdulkareem, T.A., Khalaf, S.S., Ibrahim, F.F., Rajab, B.A., Mustafa, A.K. 2012.** Influence of month on some sexual behavior and semen characteristics of Holstein –Friesian bulls. Al-Anbar, J. Vet. Sci., 5: 265-274.
- 29- **Abdulkareem, T.A., Eidan, S.M., Al-Sharifi, S.A.M., Ishak, M.A., Alnimr, M.A., Passavant, C.W. Branen, J.R., Sasser, R.G. 2012.** Assessment of plasma profile of pregnancy specific protein B (PSPB) and progesterone in Iraqi riverine buffalo (*Bubalus bubalis*) throughout gestation and post-partum periods. (Accepted in International Congress of Animal Reproduction, Vancouver, BC, Canada).
- 30- **Eidan, S. M., Khalaf, S.S., Ishak, M.M., Abdulkareem, T.A., Passavant, C.W. and Sasser, R.G. 2012.** Early detection of dystocia in Holstein cows using plasma pregnancy- specific protein B (PSPB), progesterone and some hematological and blood biochemical characteristics.(Accepted in International Congress of Animal Reproduction, Vancouver, BC,Canada).
- 31- **Abdulkareem, T.A., Eidan, S.M., Shareef, M.A., Jabor, M.M. 2012.**Effect of different dietary protein levels on productive performance and some blood characteristics of Iraqi buffaloes (*Bubalus bubalis*).International Animal Science Congress of Turkish and Relative Communities, Isparta, 11-13 September. pp. 240-251.
- 32- **Eidan, S.M., Khalaf, S.S., Ishak, M.A., Abdulkareem, T.A., Sasser, R.G.,**

- Passavant, C.W., Alnimer, M.A. 2012.** Early pregnancy detection of Holstein cows using BioPRYN enzyme-linked immunosorbent assay for PSPB and the progesterone assay. International Animal Science Congress of Turkish and Relative Communities, Isparta, 11-13 September.
- 33- Abdulkareem, T.A., Eidan, S.M., Al-Maliki, L.A., Al-Saidy, F.K., Khudair, A.K. 2012.** Effect of Concentrate diet on milk production in Iraqi buffaloes: Extension trial. 3<sup>rd</sup> Annual Iraqi buffalo Congress, 20 Dec. pp.13-23.
- 34- Alkass, J.E., Pedawy, A.J., Abdulkareem, T.A. 2013.** Effect of different dietary protein levels and age on testicular development and ultrastructures in Karadi ram lambs. International Journal of Agricultural and Food Research (Canada),2 (4): 14-24.
- 35- Abdulkareem, T.A. 2013.** Some hematological and blood biochemical profile of Iraqi riverine buffaloes (*Bubalus bubalis*) during different gestation period. J. Buffalo Sci. (India), 2: 78-84.
- 36- Abdulkareem, T.A. 2013.** Some hematological and blood biochemical attributes of Iraqi riverine buffaloes (*Bubalus bubalis*) around calving and post-partum period. Al-Anbar J. Vet. Sci., 6 (1):143-150.
- 37- Abdulkareem, T.A., Eidan, S.M., Al-Maliki, L.A., Al-Saidy, F.K., Mahdi, M.R. 2014.** Reproductive performance of Iraqi Awassi ewes owned by producers and extension farms in response to flushing and estrous synchronization regimes. The Iraqi J. Agric. Sci., 45 (3): 328-334 .
- 38- Mohammed, O.A., Shubber, M.H., Abdulkareem, T.A., Ibrahim, F.F. 2014.** Effect of adding glutamine and methionine to semen extenders on post-cryopreservation semen quality of Holstein bulls. The Iraqi J. Agric. Sci., 45(3): 252-262.
- 39- Eidan, S.M., Abdulkareem, T.A., Ibrahim, F.F., Heraish, K.F. 2014.** Effect of post foot and mouth disease infection on some semen attributes and blood biochemical parameters in Friesian- Holstein bulls. (Submitted to Pak. Vet. J.).

- 40- Abdulkareem, T.A., Mohammed, O.A. and Ibrahim, F.F. 2014.** Effect of adding amino acids mixture to Tris extender on post-cryopreservation semen quality of Holstein bulls. (Submitted to Anim. Reprod. Sci.).
- 41- Abdulkareem, T.A., Abdulrahaman, Y.T., Al-Rawi, H.M.A., Passavant, C.W. Branen, J.R., Sasser, R.G. 2014.** Isolation, purification and partial characterization of PSPB from Iraqi female camel (*Camelus dromedarius*) placenta. (Under preparation).
- 42- Abdulkareem, T.A., Abdulrahaman, Y.T., Al-Rawi, H.M.A. and Eidan, S.M. 2015.** Early pregnancy detection of Iraqi female camel (*Camelus dromedarius*) using different methods. Submitted to the 7<sup>th</sup> Balkan Animal Science Conference (BALNIMALCON), Sarajevo, Bosnia and Herzegovina, 3-6<sup>th</sup> June, 2015.
- 43- Eidan, S.M., Abdulkareem, T.A. and Sultan, O.A.A. 2015.** Effect of adding manganese to Tris extender on some post-cryopreservation semen characteristics of Holstein bulls. Submitted to the 7<sup>th</sup> Balkan Animal Science Conference (BALNIMALCON), Sarajevo, Bosnia and Herzegovina, 3-6<sup>th</sup> June, 2015.
- 44- Abdulkareem, T.A., Abdulrahaman, Y.T., Al-Rawi, H.M.A. 2015.** Plasma profile of progesterone, estradiol-17 $\beta$  and some blood biochemical attributes during different gestation periods in Iraqi female dromedary camels (*Camelus dromedarius*). Emir. J. .Food Agric., 27: 643-649.
- 45- Eidan, S.M., Abdulkareem, T.A. Al-Maliki, L. A., Al-Saidy, F.K., Al-Hassani, N.K.H. and Madhi, R.M. 2015.** Effect of whole cottonseed on milk production of Iraqi buffaloes: Extension trial. 5<sup>th</sup> Scientific Conference for Developing Iraqi Buffalo, April, 23<sup>rd</sup> , Baghdad, Iraq.
- 46- Abdulkareem, T.A. 2015.** Influence of thawing period on some post-thaw semen characteristics of Holstein bulls following catalase addition to Tris extender. Al-Anbar J. Vet. Sci (In press).

**47-Eidan, S.M., Abdulkareem, T. A. and Sultan, O. A. 2015.** Influence of adding manganese to Tris extender and post-cryopreservation semen attributes of Holstein bulls. *International Journal of Applied Agricultural Sciences*, 1: 26-30.