

CV

Prof. Dr. Talal A. Abdulkareem

2021



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

1- Personal :

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Scopus Author ID: 6507741252

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 related to buffalo and cattle dairy products.
- Experience in animal production extension (buffalo, dairy cattle, sheep, goat, and camel) and their effect on dairy yield and products.
- Experience for 16 years in buffalo management and production with Iraqi buffalo owners.
- International member of Self-Sufficiency Network pertaining to the International Inspiration Economy Project.
- Consultant for Agricultural Extension Directorate, Artificial Insemination Department / Ministry of Agriculture related to the animal production since 2010. The philosophy of conducting on-farm research aiming to transfer animal production technologies to the livestock owners related to animal nutrition and dairy products.
- Member of Fulbright Visiting Scholar/ Public Health Cohort, George Mason University, USA (2010).
- Consultant of embryo transfer (ET) for cattle project in Iraq with twelve years' experience in this technique (2009 until now).
- Three years-training courses curriculum preparation for animal owners (2009-2012) in collaboration with USDA, Texas A&M and Michigan State Universities, USA in the fields of nutrition and management and dairy products for sheep, goat, buffalo and cattle.
- 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 and increase the incomes of the poorest animal owners in Iraq (2005-2008).
- Consultant of “Artificial Insemination in buffalo” project for Ministry of Agriculture in collaboration with FAO (2018 until now).

- Providing consultancies to private livestock sector schemes related to developing sheep, goat, cattle, buffalo and camel production and dairy products.
- Developing of focus groups that investigated the obstacles on the levels of business and services of different jobs in Iraq as well as identification of the chain values of these jobs in collaboration with TIJARA Company.
- Have 5 awards in the fields of economic development, food security and best applied scientific researches. Two awarded by the Iraqi Institute for the Economic Reform (2017) and one awarded by Arab Authority for Agricultural Development (2019).
- Participation in many training courses in Iraq, USA, Jordan, United Arab Emirates and Malaysia related to public health, embryo transfer, cell culture, and flow cytometry, Theriogenology and cytogenesis as well as on remote education during COVID-19 pandemic.
- Published more than 80 scientific papers in local and international journals.
- Editorial Board Member in many peer-reviewed international journals.

3- Professional:

3-1 Education:

Degree	University	Country	year
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:

Degree	University	Year
Assistant lecturer	University of Bagdad, Iraq	1996
Lecturer	University of Baghdad	2001
AssistantProfessor	University of Bagdad	2008
Professor	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).
- Consultant of embryo transfer (ET) for cattle project in Iraq with ten years experience in this technique (2009 until now). Thirty three percentage of conception, pregnancy and calving rate were achieved by applying ET technique for Holstein cattle in Iraq. Forty five calves were obtained, 18 males and 27 females. Also, 13 calves of F1 generation (9 males and 4 females) were get during the last ten years. 123494 semen straws from ET bulls were obtained with net profit of 308,488,012 ID. Moreover, 38197 semen straws were obtained from F1 bulls with net profit of 95,416,106 ID.
- Scientific consultant in the field of buffalo nutrition and reproduction (2008 until now).
- Providing consultancies to private livestock sector schemes related to developing buffalo, 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.
- Team leader of development the knowledge of Iraqi AI staff in collaboration with World Wide Sires Company, California, USA (2011).
- Development of buffalo, dairy cattle and camel early pregnancy detection tools using PSPB in cooperation with Biotracking LLC Company and University of Idaho, USA (2007-2015).

- 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).
- 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- Animal Production consultative for Agricultural Extension Organization, Artificial Insemination Center/ Ministry of Agriculture(2008 – until now).
- 2- Team member working with the extension program related with the vaccination programs and diseases prognosis in Livestock owners.

- 3- Team leader of three years training courses curriculum preparation project (2009-2012) for animal owners in Iraq related to animal reproductive physiology, nutrition, intensive production and management for buffalo, sheep, goat and cattle.
- 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 (buffalo, cattle and sheep) pertaining to the Directorate of Agricultural Extension and Training, Ministry of Agriculture (2008-until now).
- 7- Participation (as a committee member)in developing specialized extension Diploma program at the College of Agriculture, University of Baghdad for graduating of specialized extension employees (2011- 2014).

6- Studies and researches related to the buffalo production and reproduction:

1. **Early pregnancy detection of Iraqi buffalo using PSPB and progesterone:Recent Approach For Improving Buffalo Reproduction and Production.**by LAP Lambert Academic Publishing, Germany, (English Language), 2012.
2. **Buffalo Breeding in Iraq:** Analytical Study for Prospective and Perspective (2017).

3. **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. 6th Asian Buffalo Congress, Lahore, Pakistan, 27-30 October, 2009.
4. **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.
5. **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.
6. **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. *PakistanVet.J.* 32:345-348.
7. **Abdulkareem, T.A. 2013.** Some hematological and blood biochemical profile of Iraqi riverine buffaloes (*Bubalus bubalis*) duringdifferent gestation period.*J.Buffalo Sci. (India)*, 2: 78-84.
8. **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.
9. **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 (*Bubalusbubalis*).*International Animal Science Congress of Turkish and Relative Communities, Isparta*, 11-13 September. pp. 240-251.

10. **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. 3rd Annual Iraqi buffalo Congress, 20 Dec. pp.13-23.
11. **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. 5th Scientific Conference for Developing Iraqi Buffalo, April, 23rd , Baghdad, Iraq.
12. **Abulkareem, T. A., Eidan, S. M. and AlSharifi, S. A. M. 2021.** Effect of hCG hormone administration on estrus induction and reproductive performance of anestrus Iraqi buffaloes (*Bubalus bubalis*). Submitted to the Buffalo Bulletin.
13. **Abdulkareem, T. A. and Abbas, A. M. 2021.** Detection of some biomarkers in the semen of Iraqi buffalo bulls (*Bubalus bubalis*) and the effect of adding resveratrol to different extender types on post-cryopreserved sperm quality. **PhD Thesis under supervision of Prof. Dr. Talal A. Abdulkareem.**
14. **Abdulkareem, T. A. and Musa, K. S. 2021.** - Relationship of some biomarkers with fresh and cryopreserved semen quality of Iraqi buffalo bulls (*Bubalus bubalis*). **PhD Thesis under supervision of Prof. Dr. Talal A. Abdulkareem.**

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	Iraqi Red Meat Association	Iraq	2009-2012

Texas A&M and Michigan State Universities, USA			
Developing of focus groups that investigated the obstacles of business and services of different jobs in Iraq.	4-Points Bussiness 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 Effeciency of Dairy Cattle	College of Agriculture, University of Baghdad	Iraq	2014
Artificial insemination in dairy cattle	Directorate of Agricultural Extension and Training, Ministry of Agriculture	Iraq	2016
Embryo transfer in dairy cattle	Directorate of Agricultural Extension and Training, Ministry of Agriculture	Iraq	2016
Artificial insemination in dairy cattle (Supplementary)	Directorate of Agricultural Extension and Training, Ministry of Agriculture	Iraq	2016

7.2. Training courses participated in with certification:

Title	Organization	Location	Year
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
The Future of e-learning After Covid-19 “Virtual Workshop”	College of Science, University of Qadisiyah	Iraq	2020
Molecular Genetic Techniques In Improving Ruminants Performance and Genes Related with Buffalo Performance “Virtual Workshop”	College of Agriculture, University of Kufa	Iraq	2020

Let's Break the Chain of COVID-19 Infection”Virtual Training Course”	The Mohammed Bin Rashid University of Medicine and Health Sciences	United Arab Emerates	2020
Health Education Ambassador for COVID-19“Virtual Workshop”	Altoosi University College	Iraq	2020
COVID-19 Impact on Infection Control, Preparedness and Cancer Patients	Harvard Medical School	USA	2020
Importance of Sample Size in the Scientific Research and Methods of Determination“Virtual Workshop”	College of Agriculture, University of Diyala	Iraq	2020
Role of Cytoplasmic Inheritance In Improving Ruminants Performance “Virtual Workshop”	College of Agriculture, University of Kufa	Iraq	2020
Relationship of Sex-Related Inheritance and Sex Chromatin with Sheep and Goat Performance“Virtual Workshop”	College of Agriculture, University of Kufa	Iraq	2020
E-learning breaking time, Space, and Pandemic“Virtual Training Program”	The ITRDC in University of Kufa	Iraq	2020
How to Apply Free Conference Call“Virtual Workshop”	College of Application Sciences, University of Fallujah	Iraq	2020
Artificial Intelgence and its Applications “Virtual Workshop”	Al-Furat Al-Awsat Technical University, Musaib Technical Institute	Iraq	2020
The Medicaly-Documented Herbal Drugs“Virtual Workshop”	Iraqi Society for Clinical Biochemistry	Iraq	2020
Animal Resources and The Environment“Virtual Workshop”	College of Agriculture, University of Sumer	Iraq	2020
Publication In Peer-Reviewed Journals“Virtual Workshop”	College of Agriculture, University of Qadisiyah	Iraq	2020
Self-Sufficiency Post Covid-19 “Virtual Workshop”	Self-Sufficiency Network, International Inspiration Economy Project	Bahrain	2020

How to build a successful agricultural project: bright examples from Iraq and the Arab world“Virtual Workshop”	College of Agricultural Engineering Sciences, University of Baghdad	Iraq	2020
1 st International Scientific Conference on Agricultural Sciences (Virtual)	College of Agricultural Engineering Sciences, University of Baghdad	Iraq	2021
2 nd Scientific Conference of Animal Production Sciences and Technology	Department of Animal Production ,University of Baghdad	Iraq	2021

8- Regional and international scientific meetings attended:

Title	Organizations	Location	Year
Regional Symposium of Integrated Crop – Livestock System in the dry area of WestAsia and NorthAfrica	ICARDA	Jordan	1997
symposium (A prospect of Artificial Insemination InDairy 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 th Scientific Conference of Agricultural Research (AnimalProduction)	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 Qadissiyah	Iraq	2010

1 st Iraqi Buffalo Conference	Ministry of Agriculture	Iraq	2010
1 st International Conference of Agricultural and Natural Resources	Babylon University Razi University	Iraq	2011
2 nd 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 th 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 rd 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 st Scientific Conference for Animal Production Sciences and Technology	University of Baghdad	Iraq	2013
4 th 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 th Iraqi Buffalo Conference	Ministry of Agriculture	Iraq	2015
The Camel is the best future investment in Iraq (Symposium)	Ministry of Agriculture	Iraq	2015

7 th Balkan Animal Science Conference (BALNIMALCON), Sarajevo, Bosnia and Herzegovina, 3-6 th June, 2015.	Faculty of Agricultural and Food Science, University of Sarajevo	Bosnia and Herzegovi	2015
The Medicinal Plant Worth in Iraq	Ministry of Agriculture, College of Science for Women and College of	Iraq	2016
Workshop for the preliminary meeting of International Funding for Agricultural Development (IFAD)	International Funding for Agricultural Development (IFAD)	Jordan	2016
How To Be a Recognized Rsearcher	College of Science for women	Iraq	2017
Artificial Insemination and Embryo Transfer Programs In Iraq. In: Safe Food For The Safe Life Symposium	Biotechnology Center, University of Al-Nahrain	Iraq	2017
Artificial Insemination and Embryo Transfer Programs In Iraq.	College of Agriculture, University of Karbalaa	Iraq	2017
Global Forum for Innovations in Agriculture	Abu-Dhabi Authority for Food Control	United Arab Emirates	2018
6 th Iraqi Buffalo Conference	Ministry of Agriculture	Iraq	2018
First Virtual Iraqi Conference on Camel Disease and Breeding (FVICCDB 2020)	University of Kufa	Iraq	2020
International Symposium on Camel As The Animal of Future	Virtual University of Pakistan	Pakistan	2020
Building a self-resilient economy by improving domestic produce	MENA Food Security DigiConference – AGRI	UAE	2020
Virtual Workshop for Hatcher management	College of Agricultural Engineering Sciences, University of Baghdad	Iraq	2021
Financial and administrative corruption, its causes and negative effects on the individual and society	Administration of Karbala Center for Studies and Research	Iraq	2021
1 st International Scientific Conference on Agricultural Sciences (Virtual)	College of Agricultural Engineering Sciences, University of Baghdad	Iraq	2021
2 nd Scientific Conference of Animal Production Sciences and Technology	Department of Animal Production ,University of Baghdad	Iraq	2021

9. Local and International Awards

1. **The first award** for “ the Scientific day” as best applied scientific research in buffalo reproduction published in International peer-reviewed journal /Ministry of Higher Education and Scientific Research / Iraq (2012).
2. **The second award** for “ the Scientific day” as best applied scientific research in buffalo reproduction published in International peer-reviewed journal /Ministry of Higher Education and Scientific Research / Iraq (2013).
3. **The second award** for the economic development/ Iraqi Institute for Economic Reform (2017).
4. **The third award** for the economic development/ Iraqi Institute for Economic Reform (2017).
5. **The third award** for “The Food Security” / Arab Authority for Agricultural Development / Sudan (2019).

10. Supervision on graduate students

- Supervised on 7 PhD students and 4 M.Sc. students.

M.Sc. Students:

- Effect of Kisspeptin in comparison with eCG protocol on some blood profile and reproductive performance of Karadi ewes(S. J. Muhammad; University of Sulaimani, 2016).**This work done with the cooperation and grant of University of Sulaimany, Iraq.**
- The synergistic effect of some antioxidants added to Tris extender on post-cryopreservative semen quality of Holstein bulls (M. N. Al-Rawi; University of Mosul, 2017).**This work done with the cooperation and grant of Artificial Insemination Department, Ministry of Agriculture, Iraq.**
- Effect of adding *Ferula hermonisether* extract and some antioxidants to Tris extender on post-cryopreservative semen

characteristics of Holstein bulls. (A. H. Salman, University of Dayala, 2017). **This work done with the cooperation and grant of Artificial Insemination Department, Ministry of Agriculture, Iraq.**

- Relationship between CatSper1 and CatSper2 genes polymorphism and semen quality of Holstein bulls (A. J. Al-Saedy, University of Baghdad, 2021 continued). **This work done with the cooperation and grant of Artificial Insemination Department, Ministry of Agriculture, Iraq.**

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). **This work done with the cooperation and grant of Biotracking LLC., Idaho, USA.**
- 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). **This work done with the cooperation and grant of Ministry of Agriculture, Iraq.**
- Effect of adding *Melissa officinalis* water extract and some antioxidants to Tris and milk-based extenders on post-cryopreservative semen characteristics of Holstein bulls (O. H. A. Al-Zaidy, 2015 (continued), University of Baghdad). **This work done with the cooperation and grant of Artificial Insemination Department, Ministry of Agriculture, Iraq.**
- Effect of adding *Rosmarinus officinalis*, *Olea europia* leaves and calcium to Tris and soybean-lecithin extenders on improving post-cryopreservative low semen quality of Holstein bulls. (A. J. Jaffar, University of Baghdad, 2019). **This work done with the cooperation and grant of Artificial Insemination Department, Ministry of Agriculture, Iraq.**
- Effect of adding *Urtica dioica* extract, date palm pollen grain powder, pentoxifylline, nitric oxide and glutamine as antioxidants to Tris and milk-based extenders on post-cooling and post-cryopreservative semen characteristics of Holstein bulls. (Omar A. Mohammed, University of Baghdad, 2020). **This work done**

with the cooperation and grant of Artificial Insemination Department, Ministry of Agriculture, Iraq.

- Detection of some biomarkers in the semen of Iraqi buffalo bulls (*Bubalus bubalis*) and the effect of adding resveratrol to different extender types on post-cryopreserved sperm quality. (Ahmed M. Abbas, University of Baghdad, 2021 continued). **This work done with the cooperation and grant of Artificial Insemination Department, Ministry of Agriculture, Iraq.**
- Relationship of some biomarkers with fresh and cryopreserved semen quality of Iraqi buffalo bulls (*Bubalus bubalis*). (Kareem S. Musa, University of Baghdad, 2021, continued). **This work done with the cooperation and grant of Artificial Insemination Department, Ministry of Agriculture, Iraq.**

11. Graduate students discussion committees

- The graduated and ongoing masters and PhD programs status discussion and evaluation committees as chairman and member

Program	Status	As chairman	As member
PhD	Graduated	5	15
	Ongoing	2	2
Masters	Graduated	8	12
	Ongoing	3	2
Total		18	31

12. 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 research in international peer-reviewed journal "Small Ruminant Research"

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 th 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 job 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 Society 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 Borlaug Institute, Texas A&M University, USA	2010	Outstanding efforts in lecturing and managing the 7-days training course "Ruminant 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 research 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 achievements and exceptional assistance in training Iraqi livestock owners on behalve of Iraqi Red Meat Association.
College of Agriculture	2012	Outstanding achievements in the Central Examination Committee
College of Agriculture	2012	Activeefforts in establishment of the second scientific symposium "Effect of heat stress in dairy cattle" at the Iraqi Society 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	Activeefforts and participation in establishment of the 2 nd 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 resrach 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 nd Scientific Conference "Domestic animals between heritage and contemporary
College of Agriculture	2013	Outstanding efforts for preparation and establishment of the 1 st 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 rd 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 st 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
Minister of Agriculture	2015	Outstanding efforts for publishing new book "Evaluation the activities of artificial insemination for cattle in Iraq".
University of Baghdad	2015	Publishing a scientific research in international peer-reviewed journal "Emirate Journal of Food and Agriculture".
College of Veterinary Medicine, University of Falluja	2015	Acknowledgment for gifting a copy of book " Evaluation the activities of artificial insemination for cattle in Iraq".
College of Agriculture, University of Diyala	2015	Acknowledgment for gifting a copy of book " Evaluation the activities of artificial

		insemination for cattle in Iraq".
College of Agriculture, University of Muthanna	2016	Acknowledgment for gifting a copy of book " Evaluation the activities of artificial insemination for cattle in Iraq".
College of Veterinary Medicine, University of Muthanna	2016	Acknowledgment for gifting a copy of book " Evaluation the activities of artificial insemination for cattle in Iraq".
President of BghdadUniversiy	2016	Publishing a manuscript in highly-qualified peer-reviewed journal.
Dean of The College of Science, University of Babylon.	2016	Being a committee member for PhD student final exam.
Dean of The College of Agriculture, University of Al-Qasim Green.	2016	Being a committee member for master student final exam.
Minister of Agriculture	2016	Outstanding efforts for supervising the project of embryo transfer in Iraq and highlighted results achieved.
Scientific Assistant of Baghdad University President	2016	Outstanding efforts for being scientific reviewers in international peer-reviewed journals.
Minister of Agriculture	2016	Actively participation in the workshop of the preliminary meeting of International Funding for Agricultural Development (IFAD) pertaining the loans and donation for the agricultural projects.
Dean of the College of Science for Women, University of Baghdad	2017	Acknowledgment for participation as a lecturer in the Symposium of "How To Be a Recognized Researcher".
President of the University of Baghdad	2017	Acknowledgment for the Professor scientific promotion.
Minister of High Education and Scientific Research	2017	Acknowledgment for the Professor scientific promotion.
President of Al-Nahrain University	2017	Acknowledgment for the Professor scientific promotion.
Dean of the College of Agriculture, University of Tekrit.	2017	Being a committee member for master student final exam.
Dean of the Infertility Diagnosis and ARTs, University of Al-Nahrain	2017	Being a committee member for master student final exam.
Dean of the College of Agriculture, University of Karbalaa.	2017	Acknowledgment for participation as a lecturer in the Symposium of "Artificial Insemination and Embryo Transfer in Iraq".
President of BghdadUniversiy	2018	Publishing a chapter "Ectopic pregnancy: Diagnosis, Prevention and Management" in highly-qualified peer-reviewed book "Obstetrics" by InTech Open Access".

President of Baghdad University	2018	Publishing a manuscript in highly-qualified peer-reviewed journal.
General Director of Directorate of Animal Service / Ministry of Agriculture	2018	For participating in organizing the 6 th Conference for improving of Mesopotamian Buffalo.
Dean of Genetic Engineering Institute of Higher Education, University of Baghdad	2020	Being a committee member for Doctorate student final exam.
Dean of College of Agriculture, University of Anbar	2020	Being a committee member for Doctorate student final exam.
President of the University of Baghdad	2020	Outstanding efforts for all University instructors during online education during covid-19 pandemic
Minister of Higher Education and Scientific Research	2020	Outstanding efforts for all Iraqi University instructors during online education during covid-19 pandemic
Minister of Higher Education and Scientific Research	2021	Outstanding efforts for all Iraqi University instructors during online education during covid-19 pandemic
President of the University of Baghdad	2021	Outstanding efforts for all University instructors during online education during covid-19 pandemic
Dean of College of Agriculture, University of Diyala	2021	Outstanding efforts for dedication a published book "Reference Physiological Values in Different Animal Species" to the College's staff.
Dean of College of Agriculture, University of Al-Qassim Green	2021	Outstanding efforts for continuous collaboration for reviewing the papers for scientific promotion.

13. Other contributions and activities:

13.1. 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).

13.2. 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.
11. VISER Technologies, Pte.Ltd. Singapore.

13.3. International and local Journals Reviewer

- 1- Reproduction in Domestic Animals.
- 2- Small Ruminant Research.
- 3- African Journal of Biotechnology.
- 4- Journal of Camelid Science
- 5- International Journal of Public Health.
- 6- Asian-Pacific Journal of Reproduction
- 7- Pakistan Journal of Agricultural Sciences
- 8- Indian Journal of Animal Science
- 9- Journal of Camelid Science
- 10- Buffalo Bulletin
- 11- American Journal of Biomedical and Life Science.
- 12- Hematology and Leukemia
- 13- Open Journal of Obstetric and Gynecology
- 14- Journal of Buffalo Science.
- 15- Research Opinions in Animal and Veterinary Sciences.
- 16- Journal of Gynecology and Obstetrics
- 17- American Journal of Agriculture and Forestry, Science Publishing group, USA
18. Animal and Veterinary Science, Science Publishing group, USA.
19. American Journal of Agriculture and Forestry, Science Publishing group, USA.
20. Iraqi Journal of Agricultural Science.
21. Al-Anbar Journal of Agriculture Science.

- 22. Al-Anbar Journal of Veterinary Science.
- 23. Diyala Journal of Agriculture Science.
- 24. Tekrit Journal of Agriculture Science.
- 25. Journal of Pharmaceutical Research International.
- 26. Heliyon
- 27. Baghdad Science Journal.

14. Languages:

- Arabic - Excellent. (native)
- English - Very good (Reading and writing).

15. References:

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Prof. Dr. Lisa Pawloski	Professor and Chair Department of Nutrition and Food Studies, Georg Mason University, USA.	lpawlosk@gmu.edu	(Mob)+1-703-993-4628

16. Publications

16-1. Books and strategic studies

1. Early pregnancy detection of Iraqi buffalo using PSPB and progesterone: Recent Approach For Improving Buffalo Reproduction and Production. 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. Evaluation of Artificial Insemination activities for cattle in Iraq: Survey study. 2015.

4. Buffalo Breeding in Iraq: Analytical Study for Prospective and Perspective (2017).
5. Analytical study for the reality of camel breeding in Iraq, 2020.
6. Buffalo Production (Arabic language), University of Baghdad Publisher, 2020.
7. Reference Values of Different Animal Species (English language), Iraqi Media Network Publisher, 2020.

16-2. International Chapters in Books

- 1- Ectopic pregnancy: Diagnosis, Prevention and Management. In: Obstetrics, InTech Open, Coratia, 2017.
- 2- Uterine Prolaps. In Bubaline Theriogenology, IVIS, Latin American 2018.
- 3- Online learning for higher education continuity (During covid-19 pandemic): The challenges, advantages, disadvantages and how to overcome. In: Modern Perspectives in Economics, Business and Management, BP International, London, UK. 2021.

16-3. 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 F₂ α 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. 2nd. Sci. Conf., (Animal Production). 2-3 Nov. Baghdad, Iraq.
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 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. The Iraqi J. Agric. Sci., 33 (3): 249-256.
 14. **Abdulkareem, T.A. 2002.** Reproductive performance of Awassi ewe lambs following treatment with equine chorionic gonadotropin. The Iraqi J. Agric. Sci. 33 (2): 263-266.
 15. **Abdulkareem, T.A., Al-Mjamei, S.M., Hamra, A.H. , Al-Haboby, A.H.**

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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 .The Iraqi J. Agric. Sci.,36 (3):87-94.
20. **Abdulkareem, T.A.2005.** Seminal proteins of Holstein – Friesian bulls associated with vitamin C supplementation. The Iraqi J. Agric. Sci., 36 (4): 185 - 189.
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- 39. 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.
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- 41. Abdulkareem, T.A., Abdulrahman, Y.T., Al-Rawi, H.M.A. and Eidan, S.M. 2015.** Early pregnancy detection of Iraqi female camel (*Camelus dromedarius*) using different methods. 7th Balkan Animal Science Conference (BALNIMALCON), Sarajevo, Bosnia and Herzegovina, 3-6th June, 2015. Pp. 51.
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54. **Abdulkareem, T. A., Eidan, S. M., Ibrahim, F. F., Ali, M. D., Abdul-Karim, M. G., Abdul-Rahman, Q. A. and Mohamed, O. A. 2017.** Evaluation of some artificial insemination activities for cows in Iraq. 1. Percentage of the artificial insemination and natural mating for cows and the reproductive efficiency according to the type of insemination. *Al-Anbar J. Agric. Sci.*, 15 (2): 413-425.
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