



Full name: Salah Abdulaziz Mohammed AL-Shami

Position: *Professor of Animal Behavior and Production*

ا.د. صلاح بن عبدالعزيز بن محمد الشامي

Personal data

Address: *University:* King Faisal

College: Veterinary Medicine and Animal Resources

Department : Veterinary Public Health and Animal Husbandry

P.O. Box 1757 Al Hufuf – 31982 Saudi Arabia

University I.D. Number: 380129

Nationality: Saudi

Date and place of birth: 1388 H, AL-Ahssa

Marital Status: Married and father to two sons

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Roles and Responsibilities

- *Teaching (lectures, Lab., and farm supervision), and all exams and testing duties to both undergraduate and graduate students of the following, subjects:*

1- Fundamentals of Animal Production.

2- Animal Behavior.

Candidate shares and participates actively in the following scientific activities:

1- Teaching and exam duties of the preciously mentioned courses to undergraduate and graduate students .

2- Teacher, supervisor and examiner committee member of Master and PH. D. students at Veterinary Medicine colleges.

3- Research consultant of scientific research data to staff members at University colleges, and scientific research centers for animal and poultry production.



- 4- *Preparing and designing simple training courses on animal and poultry production for beginner and interested breeders, being arranged by National Developing Projects (Rural and domesticated areas).*
- 5- *Principal investigator and vice - principal investigator of some research projects for genetic improvement through traditional selection and recent biotechnological programs).*
- 6- *Practical training of under - graduate and graduate students in animal production farms and companies.*

Animal and poultry breeding consultant:

- a- *Periodical evaluation for milking cows and sires after computing the breeding value for each cow and sire using the different microcomputer breeding programs.*
- b- *Responsible for evaluating management programs for dairy farms (milking, services, fattening, veterinary care, calving, and culling).*
- c- *Designing and evaluating camel breeding programs (maternal and paternal flocks)*

ADMINISTRATION ACTIVITIES, COMMITTEES & COMMUNITY SERVICE:

A - ADMINISTRATION RECORD:

- 1 - *Vice-Dean for Academic Affairs, 11-9-1423-to1427, 2002 – 2006.*
- 2 - *Head of Department of Veterinary Public Health & Animal Husbandry, 19-12-1422 - 2001-up to date.*
- 3 - *Vice-Dean of Scientific Research Deanship at king Faisal University, 1428 up to Date.*

B - COMMITTEES MEMBERSHIP:

- 1 - *Member, Cultural & Sports Committee, 1412-1413.*
- 2 - *Chairman, Cultural & Sports Committee, 1422-1423.*
- 3 - *Member, Examination Committee in the Vet. College, 1412-1413.*
- 4 - *Chairman, Examination Committee in the Vet. College, 1423-1427.*
- 5 - *Member, Exhibition Committee in the Vet. College, 1413.*



- 6 - Member, Veterinary Medical Society Committee, 1422.
- 7 - Chairman, Public & Community Services Committee in the Vet. College, 1421.
- 8 - Member, University Congregation Ceremony, 1421-1424.
- 9 - Member, International Conference on Achievements of King Fahad Ibn Abdulaziz AL-Saud, 1422.
- 10 - Member, Post graduation Conference, 1422.
- 11 - Chairman, Academic Committee of the Vet. College, 1423-1427.
- 12 - Chairman, Laboratory Animal House, 1421-1427.
- 13 - Chairman, Scientific Photography & Electron Microscopy Unit , 1423-1425.
- 14 - Member, Student Evaluation Committee, 1422-1427.
- 15 - Convener, Collage Board, 1423-1427.
- 16 - Member, University Permanent Academic Committee, 1423-1426.
- 17 - Member of SABIC Committee for Evaluation of Research Projects presented to the Deanship of Scientific Research at KFU, 2007 to date.
- 18 - Member, Scientific Council, King Faisal University, 24/1/1429 H.
- 19 - Member, Scientific Research Deanship Council, Prince Norah Bint Abdurhman University, 1431.

C - COMMUNITY SERVICE:

- 1 - Head of College Community Services Committee, 1421-2000.
- 2 - Chairman, College participation group in Kingdom of Saudi Arabia Project for Usefulness of Meats from Scarified animals of AL-Hadi and Adahi, 1421 & 1422.

Qualifications

- Bachelor of veterinary medicine & A.R., King Faisal University (KFU), 1411H-1991.
- Master of veterinary Medicine (M.V.Sc.), University of Wales, U.K., 1416H-1995.
- Doctor of philosophy in Veterinary Medicine, (Behavior and Production of Farm Animals), University of Wales, U.K. 1420H- 2000.
- Title of Ph.D. Dissertation : "Observations on the Foraging Behaviour of Sheep Using a High-Level Feeder Technique".



EMPLOYMENT RECORD

Title or Status	Name & Address Employer	Date
Professor	Dept. of Vet. Public Health and Anim. Husbandry, College of Veterinary Medicine and Animal Resources, KFU	١٤٣٠
Associate Professor	Dept. of Vet. Public Health and Anim. Husbandry, College of Veterinary Medicine and Animal Resources, KFU	9//11 1425 H
Assistant Professor	Dept. of Vet. Public Health and Anim. Husbandry, College of Veterinary Medicine and Animal Resources, KFU	19-02-1421H 2000
Postgraduate Studies	University of Wales, U.K.	1414-1421 1993- 2000
Demonstrator	Dept. of Vet. Public Health and Anim. Husbandry, College of Veterinary Medicine and Animal Resources, KFU	1412-1421 1991-2000

RESEARCH AREA OF INTEREST

The candidate follows the scientific school that fervors breeding and improvement of productive and reproductive traits for both animals and poultry, especially the native ones.

This objective could be achieved through using modern farm technological techniques. Breeding program should be developed (designed) with continuous backcrossing and subsequent complete laboratory screening to avoid undesirable or point mutations.

Moreover, genetic diversity would be practiced on different camel classes, in order to define the best solutions environmentally and genetically to maximize the performance.

MEMBER IN SOCIETIES

- 1- Member, International Society of Camelid Research and Development (ISOCARD) 2006.
- 2- Member of the Veterinary Medicine Union.
- 3- Member of the college head and chairman committee for several years.
- 4- Member, Saudi Biological Society 2001.
- 5- Member, Saudi Veterinary Medical Society 2003.
- 6- Active member in Education and student affair committee.
- 7 - Active member in the committee responsible for developing, updating, and criticizing teaching policy in Agriculture and Veterinary Medicine.
- 8 - Member, British Society of Animal Science 1996.

المشاريع البحثية والتطبيقية (باحث رئيسي ومناوب).

Principles and Co-Investigator عمادة البحث العلمي (باحث رئيسي ومناوب) (أ)

Deanship of Scientific Research - King Faisal University

- 1 - *Effects of yeast as direct-fed microbial agent on the rumen microbial ecology of Saudi Arabia sheep (2010)*
- 2 - *Comparison of hematological and serobiochemical constituents in an in-door and browsing or grazing camels in Al-ahsa area (2009).*
- 3 - *Genetic Variations Among Indigenous Camel Strains in Saudi Arabia (2008 – 2009).*
- 4 - *Some important traits in selecting Hassawi bulls for breeding (2008).*
- 5 - *Some important traits in selecting Hassawi bulls for breeding (2007).*
- 6 - *Effect of feeding hay supplemented with concentrate on reproductive performance of pre-pubertal heifers and resumption of post-partum ovarian activity in Hassawi cows (2006).*
- 7 - *Effect of replacement of barely grains with bread waste or reject dates on rabbits growth and reproductive performance (2001 – 2003).*
- 8 - *Influence of different planes of nutrition on performance and meat quality of Najdi lambs artificially infected with Haemonchus contortus (2001 – 2003).*



9 - Studies on normal hematological and biochemical parameters of Hassawi cattle breed in Saudi Arabia (2003).

١٠ - تأثير الخلط التبادلي لسلاسل الأغنام المحلية بالمملكة العربية السعودية على كفاءة النمو وصفات الذبيحة للحملان (باحث رئيسي ١٤٢٩ هـ)

Effect of diallel crossing of Native Saudi Arabia Sheep on lamb growth performance and carcass quality

١١ - تأثير تغذية محفزات النمو الحيوية على الكفاءة الانتاجية لحملان التسمين المحلية بالمملكة العربية السعودية (باحث مناوب ١٤٢٩ هـ)

- The Effect Of Feeding Probiotics On The Productive Performance Of Saudi Arabia Sheep Breeds During Fattening

١٢ - الاختلافات الوراثية بين الإبل المحلية بالمملكة العربية السعودية (باحث رئيسي ١٤٣٠ هـ)
Genetic Variations Among Indigenous Camel Strains in Saudi Arabia

١٣ - تأثير الخمائر كإضافات غذائية ميكروبية مباشرة علي البيئة الميكروبية للكرش في الأغنام (باحث مناوب ١٤٣١ هـ)
Effects of yeast as direct-fed microbial agent on the rumen microbial ecology of Saudi Arabia sheep

١٤ - تأثير الجهد الحراري على الاختلافات الوراثية والاستجابة الفسيولوجية وصفات إنتاج الحليب لأبقار الحليب بالمملكة العربية السعودية (باحث رئيسي ١٤٣٢ هـ)

Effect of heat stress on genetic variation, physiological response, and milk production traits of dairy cattle in Kingdom of Saudi Arabia

١٥ - الإختلاف الوراثي و المظهري للون الجلد وبعض الخصائص البيولوجية للأبل المحلية بالمملكة العربية السعودية (باحث مناوب ١٤٣٢ هـ)

Genetic And Phenotypic Variations of Coat Color And Biochemical Characters Among Indigenous Camel Strains in Saudi Arabia

١٦ - تقييم ألبان وأبوال الأبل المغذاة علي نبات القيصوم كأحد بدائل الطب الشعبي بالمملكة العربية السعودية (باحث مناوب ١٤٣٣ هـ)

Assessment of Camel Milk and Urine as Well as Achillea Fragrantissima (QaySuum) as a New Alternative Folk Medicine in Kingdom of Saudi Arabia

١٧ - العلاقة بين رتب حالة الجسم لأبقار الهولشتين عالية الإنتاج وصفات الإدراة الإنتاجية والتناسلية وعدد الخلايا الجسمية في الحليب وبعض الأمراض الأيضية في البيئة شبه الجافه (باحث رئيسي ١٤٣٤ هـ)



Relationship Between Body Condition Score, Dairy Production & Reproduction Traits, Somatic Cell Count and Some Metabolic Diseases of *High Producing Holstein Cattle in Semi-arid Environment*

(Principles and Co-Investigator) **سابك** (II)

SABIC: Saudi Arabia Basic Industrial Company

- 1 - *Ruminal production of volatile fatty acids and nitrogen in sheep fed urea-treated straw (2007).*
- 2 - *Effect of feeding urea-treated wheat straw on rumen environment in sheep and goat (2006).*
- 3 - *Effect of replacing Rhodes grass with urea treated wheat straw on the productive and reproductive performance of Awassi ewes and lambs (2002 – 2003).*
- 4 - *Effect of feeding Agrban treated with urea on the reproductive and productive performance of male and female goats (2003).*

٥ – تأثير إضافة اليوريا بدون أو مع الأحماض العضوية علي النمو، هضم العناصر الغذائية، تخمر الأعور وصفات الذبيحة في الأرانب (باحث رئيسي ١٤٣١ هـ)

Growth Performance, Nutrient Digestibility, Cecal Fermentation and Carcass Traits of Growing Rabbits as affected by Graded levels of urea without or with organic acid supplementation

٦ – دور البيئة الميكروبية للكرش في تقليل سمية اليوريا كمادة نيتروجينية غير بروتينية مغذاة لحملان التسمين في المملكة العربية السعودية (باحث مناوب ١٤٣٢ هـ)

Role Of rumen microbial ecosystem in detoxification of Urea As Non-Protein Nitrogenous Substance fed to Fattening Lambs in Saudi Arabia.

٧ – تأثير اليوريا كمادة نيتروجينية غير بروتينية على التوازن الحامضي – القاعدي , غازات الدم ومؤشرات الأوكسدة في الأغنام (باحث مناوب ١٤٣٢ هـ)

The effect of urea a non-protein nitrogenous substances on acid-base balance, blood gases and oxidative biological markers in sheep.

٨ - دراسة مقارنة بين تأثير الكبريت واليوريا على حملان التسمين في وجود أو في غياب أوليات الكرش (باحث مناوب ١٤٣٣ هـ).

Comparative study on the effect of sulphur and non protein nitrogenous substance (urea) on faunate and defaunate lambs.

٩ - تأثير النترات على البيئة الميكروبية للكرش ومكونات الدم الخلوية والبيوكيميائية في حملان التسمين في وجود أوليات الكرش (باحث مناوب ١٤٣٣ هـ).

Effect of nitrate on rumen microbial ecosystem and blood cellular and biochemical constituents in faunate fattening lambs.

١٠ - تأثير إضافة النترات على الكفاءة الإنتاجية وصفات الذبيحة في الأرانب (باحث مناوب ١٤٣٣ هـ).

Effect of feeding nitrate supplements on the productive performance and carcass traits in rabbits.

١١ - استخدام اليوريا والمولاس في العلائق المحتوية على خشائن منخفضة الجودة وتأثيرها على كفاءة النمو , صفات الذبيحة وجودة اللحم في أغنام النجدي السعودية (باحث مناوب ١٤٣٣ هـ).

Effect Of Urea As Non-Protein Nitrogenous Substance On The Rumen Microbial Ecosystem In Fattening Lambs (1432)

(البرنامج الوطني للأبحاث الاستراتيجية : III)


KACST: King Abdulaziz City for Science and Technology (Submitted)

1 - In-door feed preference of Juvenile camels (2003)

١ - " دراسة اكلينيكية، وبائية ومعملية على النفوق في العجول والحملان حديثي الولادة (مدينة الملك عبد العزيز للبحوث والتكنولوجيا - البرنامج الوطني للأبحاث الاستراتيجية - مستشار المشروع"

٢ - التنوع والتصنيف الوراثي وعلاقاته لأصناف الإبل المحلية في المملكة العربية السعودية

GENETIC DIVERSITY, CLASSIFICATION, AND RELATIONSHIPS OF INDIGENOUS SAUDI ARABIAN CAMEL POPULATION (Ph. D. scholarship student (Joint Research work of King Faisal University and the university of Nottingham (molecular and population genetics Institute) under the supervision of Prof Dr. Chris & Prof Dr. Pamela Burger and Prof. Christian Schlötterer who



heads the institute of population genetics and supervises and the principle investigators of the actual genetic work in the camel project (Institut für Populationsgenetik Department für Biowissenschaften Veterinärmedizinische Universität Wien Veterinärplatz 1 A-1210 Wien, Austria)

ACADEMIC SCHOLARSHIP, HONORS & AWARDS

- 1 - Grant to study for MSc. and PhD. in U.K, King Faisal University, U.K., 1414-1420.**
- 2 - Grant to participate in training course in transmission electron microscope, JEOL, Japan, 2002.**
- 3 - Grant to participate in training course in scanning electron microscope, JEOL, Japan, 2002.**

TEACHING COURSES FOR GRADUATE & UNDERGRADUATE STUDENTS

Teaching (lectures, Lab., and farm supervision), and all exams and testing duties to both undergraduate and graduate students of the following, subjects:

Undergraduate Students:

- 1 - Animal Behavior.**
- 2 – Fundamentals of Animal Production.**

Graduate Students:

- 1 - Animal Behavior.**
- 2 – Fundamentals of Animal Production.**
- 3 – Thesis and Dissertation writing.**

• الكتب المؤلفة كمشروعات بحثية مدعمة من عمادة البحث العلمي بجامعة الملك فيصل

- *Dairy Production: Principles, Practices, and Benefits*
- *Animal and Poultry Behavior and Management*
- *Poultry Production: Principles, Practices, and Benefits*
- *Statistical Principles For Veterinary And Animal Science*
- *Principles of Quantitative Genetics and Animal Genetic Improvement*

PARTICIPATION IN SCIENTIFIC CONFERENCES AND SYMPOSIA

- 1 - *Annual Meeting of British Society of Animal Science, U.K., 1996.*
- 2 - *Annual Meeting of British Society of Animal Science, U.K.1998.*
- 3 - *First Postgraduate Studies Symposium of Saudi University, King Abdulaziz University, Jeddah, 2001.*
- 4 - *Saudi Biological Society Meeting, King Khalid University, Abha, 2002.*
- 5 - *Conference of Arabic Medical Veterinary, Cairo University, Egypt, 2003.*
- 6 - *The 5th Congress of Scientific Research Outlook in the Arab World, 26-30 October 2008 Fez-Morocco.*
- 7 - *2nd Regional Research Seminar for Arab States "The Impact of Globalization on Higher Education and Research in the Arab States", 25th – 26th May 2007 Rabat, Morocco.*



٨- المؤتمر الثاني لتخطيط وتطوير التعليم و البحث العلمي في الدول العربية جامعة الملك فهد للبترول والمعادن ١٧-٢٠ صفر ٢٠٠٨

الفترة	المؤتمر أو دورة أو اجتماع	اسم المعرض	
٢٠١٤/٢/٢٣-١٣ م		معرض الدار البيضاء للكتاب لعام ٢٠١٤ م	٩
١٤٣٦/٥/٢٥ هـ	مؤتمر جمعية المكتبات المتخصصة في قطر		١٠
١٤٣٥/١٨-١٤ هـ ٢٠١٤/١٠/١٢ م		معرض فرانكفورت الدولي للكتاب ٢٠١٤ م	١١
٢٠١٤/١١/٦-٤ م	دورة تدريبية الخاصة بالنشر في تركيا ٢٠١٤ م		١٢
١٤٣٦/٣/١٧ هـ	دورة قياس خدمات المكتبات باستخدام Libqual ومستقبل دور المكتبات في انتاج المعلومات البحرين		١٣
١٤٣٥ محرم ١٥-١٤ هـ ١٨-١٧ نوفمبر ٢٠١٣ م	اجتماع عمداء المكتبات في الجامعات السعودية في دار الملك عبد العزيز		١٤
١٤٣٥/٥/١٣-٣ هـ		معرض الرياض الدولي للكتاب لعام ٢٠١٤ م	١٥
١٤٣٥/٤/٤-٣/١٢ هـ		معرض القاهرة الدولي للكتاب لعام ٢٠١٤ م	١٦
١٤٣٦/١/٢٢-١٢ هـ		معرض الشارقة الدولي للكتاب لعام ٢٠١٤ م	١٧
١٤٣٦/٤/٢٣-٨ هـ		معرض القاهرة الدولي للكتاب لعام ٢٠١٥ م	١٨
١٤٣٥/٦/٢٤-٢٣ هـ	الاجتماع السادس عشر للجنة عمداء مسؤولي المكتبات بالدمام		١٩
١٤٣٦/٤/٢٨-٢٧ هـ	الاجتماع السادس عشر للجنة عمداء مسؤولي المكتبات بجامعة جازان		٢٠
١٤٣٦/٥/٢٣-١٣ هـ		معرض الرياض الدولي للكتاب لعام ٢٠١٥ م	٢١
٢٠١٥/٣/١٩-١٧ م	اللقاء والمعرض السنوي الواحد والعشرين في ابو ظبي		٢٢

Selected publications

- 1 – Salah Abdulaziz Al-Shami, Nagwan El- Habashi, Mohamed A. Mandour , Yehia Ahmed Hussein and Marzook Mohamed Al-EknaH, 2015. The potential effect of camel milk and urine against CCL4 - induced lesions in male rats. *Journal of Animal and Veterinary Advances*. Volume: 13 / Issue: 20 / Page No.: 1160-1166. DOI: 10.3923/javaa.2014.1160.1166.
- 2 - Mohamed Abdel Bary Mandour, Salah Abdulaziz AL-Shami, Marzook Mohamed Al-EknaH, 2015. Body Condition Scores at Calving and Their Association With Dairy Cow Performance and Health in Semiarid Environment Under Two Cooling Systems. *Italian J. of Animal Science*, vol 14, No 1.
- 3 – Mandour, M. A.; S. A. Al-Shami, M. M. Al-EknaH, Y. A. Hussein and I. M. El-Ashmawy (2013): The acute and long-term safety evaluation of aqueous, methanolic and ethanolic extracts of *Achillea fragrantissima*. *African Journal of Pharmacy and Pharmacology*, Vol. 7(32) pp. 2282-2290.
- 4 - Mandour, M.A.; S.A. Al-Shami and Y.A. Hssein (2012): Effect of Feeding Graded Levels of Urea on Growing New Zealand White Rabbit Performance. *Global Veterinaria*, Volume 9 Number (6), 761-768.
- 5 - Fouda, T.A.; Mandour, M.A. and El-Shami, S.A. (2012): Effect Of Urea As Non-Protein Nitrogenous Substance On The Rumen Microbial Ecosystem In Fattening Lambs. *Journal of Animal Research*, 2(2) Spl. I: 145 – 154.
- 6 - Al-Shami, S.A., M.A. Mandour and Fouda, T.A. (2012): Effect Of Urea As Non-Protein Nitrogenous Substance On Blood Cellular and Biochemical Parameters In Fattening Suakin Lambs. *Journal of Animal Research*, 2(1) : 29-37.
- 7 - Hussein, Y. A.; M. M. Al-EknaH; S. A. Al-Shami; M. A. Mandour; T. A. Fouda. (2012): Coat Color Breed Variation In Blood Constituents Among Indigenous Saudi Arabia Camel Strains. *Mansoura, Vet. Med. J.* Vol. XIV, No. 1, 191-204.
- 8 - Mandour, M. A.; Al-Shami, S. A.; Al-EknaH, M. M. and Fouda, T. A. (2012): Effect Of Heat Stress On Milk Production Traits Of High Producing Holstein Cattle In Semi-Arid Environment. *Mansoura, Vet. Med. J.* Vol. XIV, No. 1, 205-215.
- 9- M. A. Mandour, S. A. Al-Shami, and M. M. Al-EknaH (2012): Effect of Feeding Probiotics (BIO-NUTRA) on Growth and Carcass Traits of Saudi Arabia Sheep The 7th Congress, Faculty of Veterinary Medicine – Sadat City, Egypt 24 – 27 /4/2012
- 10 - T.A. Mohammed ; AL-Shami, S.A, and M. A. Mandour (2010): Effect of Season of Year and Time of Day on Water and Feed Consumption by Local and Foreign Breeds. المؤتمر الخامس والعشرين لعلوم الحياة السعودية



- 11 - Mandour, M. A.; S. A. Al-shami, and Al-Tabari, G (2009): The Effect of Feeding Probiotics on the Productive Performance of Saudi Arabia Sheep Breeds during Fattening. Mansoura Veterinary Medical Journal Vol. XI, No. 1, 87 – 103.
- 12 - AL-Shami, S.A. and T.A. Mohammed, (2009): Effect of replacement of barley grains by wasted Bread Crumbs or Rejected dates on growth performance and carcass traits of growing rabbits. *Pakistan Journal of Nutrition* 8 (1): xx-xx.
- 13 - AL-Shami, S.A. (2009): Comparative determination of serobiochemical constituents in in-door and free grazing camels. *Journal of Animal and Veterinary Advances*.
- 14 - Homeida, A.M. and S. A. AL-Shami, (2009): Urinary urea elimination following feeding of low and high diets containing urea in camels (*Camelus dromadarius*). *Journal of Animal and Veterinary Advances*.
- 15 - Mandour, M. A.; S. A. Al-shami, and Al-Tabari, G., (2009): The Effect of Feeding Probiotics on the Productive Performance of Saudi Arabia Sheep Breeds during Fattening. Mansoura Veterinary Medical Journal Vol. XI, No. 1, 87 – 103.
- 16 - Mosaad Abd El-Khalek Soltan and S. A. AL-Shami, (2009): Effect of partial replacement of berseem hay by corn stalk without or with calcium salts of fish oil on rumen fermentation, productive and reproductive performance of early lactating cows. *International Journal of Dairy Science*.
- 17 - AL-Shami, S .A. (2008): Libido score system and testosterone concentration changes in Hassawi bulls. *Alexandria Journal of Veterinary Science* (2008), 27: 1-6.
- 18 - AL-Shami, S. A. (2007): Comparative heamatological and blood bio-chemical components in milk-fed and conventionally-reared Hassawi breed calves. *Scientific Journal of King Faisal University*: 8 (2): 99-106
- 19 - AL-Shami, S. A. (2007): Effect of feeding hay supplemented with concentrates on feedlot and reproductive performance of prepubertal Hassawi heifers. *Journal of Animal and Veterinary Advances*: 6(1), 26-28.
- 20 - AL-Shami, S. A. (2007): Effect of feeding urea-treated wheat straw on rumen environment in Awassi sheep. *Scientific Journal of King Faisal University*.



- 21 - AL-Shami, S. A. and AL-Sultan S. I., (2006): Effect of treating wheat straw with urea on its crude protein content. *Journal of Animal and Veterinary Advances*., 5(5): 440-442.
- 22 - Altabari, G. and S. A. AL-Shami, , (2006): The effect of washing and packing of the sacrificial meat on the level of microbial contamination (In Arabic). *Scientific Journal of King Faisal University*, 7(2): 15-34.
- 23 - Gassan F. Al-Tabri , S. A. AL-Shami and Adel I. AL-Afaleq, (2005): The Project of Kingdom of Saudi Arabia for the Utilization of Hadi and Sacrificial Meat: Achievement and Solidarity (in Arabic).
٢٦١-٢٩٣ ١٤٢٦ هـ الإسلامية الثقافة عاصمة المكرمة مكة اختيار بمناسبة خاص ، عدد فيصل الملك لجامعة العلمية المجلة
- 24 - AL-Shami, S. A., Teleb H. and Hamdy, A. M., (2004): Effect of different plains of nutrition on performance and meat quality of Najdi lambs artificially infected with *Haemonchus contortus*. *Assiut Vet. Med. J.*, 50.
- 25 - AL-Shami, S. A. (2003): Stress status in sheep of Hadi and Adahi (In Arabic). *Scientific Journal of King Faisal University*. accepted: (6) 47-52.
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