



King Faisal University

THE 6th Conference of the International Society of Camelid Research and Development

| ISOCARD-2023 |

"The Role of Camel in Food Security and Economic Development"



الجمعية الطبية البيطرية السعودية
Saudi Veterinary Medical Society



جامعة الملك فيصل
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كلية الطب البيطري
جامعة الملك فيصل

الراعي الأكاديمي

تنظيم

مركز أبحاث الإبل
الجمعية الطبية البيطرية السعودية

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Ministry of Environment Water & Agriculture



أمانة الأحساء
ALAHSA MUNICIPALITY

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المتحدثين Speakers

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Prof Dr. Salah Abdulaziz AL-Shami,
Chairman of Scientific Committee. - President of the Saudi Veterinary Medical Association Saudi Arabia



Faye Bernard PhD
CIRAD - France,
Emeritus expert
France



Prof. Dr. Marzouq Al-Aknah
Professor of animal reproduction
College of Veterinary Medicine , King Faisal University, Saudi Arabia



Professor Rafat Al Jassim,
BSc, MSc, PhD
Nutrition Biochemist & Gut Microbiologist
The university of Queensland, Australia



Prof. Dr. Wael M. El-Deeb
Professor of Veterinary Medicine,
College of Veterinary Medicine , King Faisal University
Saudi Arabia



Gaukhar Konuspayeva PhD
Professor
Al-Farabi University
Kazakhstan



Dr. Faisal Saleh Almathen
DVM, MSc, PhD
Director of the Camel Research Center at King Faisal University,
Saudi Arabia



Abd al-Malik Ibrahim Fadl al-Mawla
A microbiologist expert
Abu Dhabi Authority for Agriculture and Food Safety
UAE

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Peter Pal Nagy, PhD
EICMP, Dubai
Head of department
Hungaria



Pamela Anna Burger
Priv.-Doz. Dr.med.vet,
Senior Researcher
Vetmeduni Vienna
Austria



**Dr. Ahmed Jaafar
Al-Jazzar**
DVM, MSc, PhD
College of Veterinary
Medicine , King Faisal
University, Saudi Arabia



Barbara Padalino
Associate Professor,
University of
Bologna
Italy



**Mohamed Esmat
Moustafa**
Prof. of infectious
diseases
Salam veterinary
group
Saudi Arabia



Nisar Ahmad Wani
BVSc & AH, MVSc, PhD
Reprobiotech.ae
Scientific Directo
India



Carlos Pastrana
BVSc, MSc,
Predoctoral researcher
University of Cordoba,
Spain



Elena Ciani
PhD Associate
Professor
University of Bari
Italy



Taher K. Osman
Research and
development Manager
(Biotechnology)
Salam veterinary
group
Saudi Arabia



Ming Liang
PhD Inner Mongolia
Agricultural
University
China



Davide Monaco
PhD Assistant Professor
University of Bari Aldo
Moro
Italy



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1st
DAY



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CONFERENCE PROGRAM

1ST DAY

SUNDAY, 12nd March 2023

برنامج المؤتمر

Time	Event/Location	
08:00 AM	Registration (Great Ballroom)	التسجيل (بقاعة الاحتفالات الكبرى)
10:00 – 11:00	Opening Ceremony and accompanying exhibition- Coffee Break	الافتتاح الرسمي للمؤتمر والمعرض المصاحب واستراحة للحضور
11:00-11:30	Dr. Rafat Al Jassim, BSc, MSc, PhD The University of Queensland, Australia "Current knowledge of the nutrient requirements of the Arabian camel" (Great Ballroom)	أ.د. رأفت الجاسم جامعة كوينزلاند أستراليا المعرفة الحالية بالمتطلبات الغذائية للإبل العربي (قاعة الاحتفالات الكبرى)
11:30-12:00	Prof. Marzook Al-Ekna College of Veterinary Medicine King Faisal University "Problem-Oriented Diagnosis Of Large Female Camelid Infertility" (Great Ballroom)	أ.د. مرزوق العكنة جامعة الملك فيصل كلية الطب البيطري التشخيص الموجه نحو مشكلة العقم عند الإناث في النوق الكبيرة (قاعة الاحتفالات الكبرى)
12:00 – 12:30	Coffee Break and Zuhr Prayer	صلاة الظهر
12:30 – 01:00 PM	Dr. Nisar Ahmad Wani (BVSc & AH, MVSc, PhD) Scientific Director, Reproductive Biotechnology Centre Dubai, United Arab Emirates Reproductive Biotechnology Techniques in Camelids: Current knowledge and future challenges" (Great Ballroom)	أ.د. نزار أحمد واني المدير العلمي لمركز التكنولوجيا الحيوية والتكاثر دبي-الإمارات العربية المتحدة تقنيات التكنولوجيا الحيوية الإنجابية في الإبل: المعرفة الحالية وتحديات المستقبل (بقاعة الاحتفالات الكبرى)
01:00 – 02:30	Exhibition Visit and lunch break- Posters PPT.	زيارة للمعرض والملصقات واستراحة الغذاء



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Scientific Sessions, Sunday, 12nd March 2023

	HALL 1 <u>(At the theater of the Deanship of Student Affairs)</u> Section: Biology of Camelids Chair: Dr. Said Al-Ramadan Moderator: Dr. Isam Al-Jalli	HALL 2 <u>(Training Hall)</u> Section: Camel production and products Chair: Prof. Dr. Ahmed El-Sheikh Moderator: Abulrahman Hereba	HALL 3 <u>Al Fars Hall(Al Fars Hall, College of Business Administration)</u> Section: Camelids Health and Diseases Chair: Dr. Ahmed Al-jazar Moderator: Dr. Mahmoud Gamil	HALL 4 <u>(Sports Hall)</u> Section: Camelids and Environment Chair: Dr. Mohamed Abdelmohsen Moderator Dr. Ahmed Meligi
02:30 – 02:50 (PM)	The α -lactalbumin in domestic camelids: identification of new polymorphisms at the LALBA gene Pauciullo A., Versace C., Miretti S., Giambra I.J., Cosenza G.	Impact of supplemental urea nitrogen on performance, digestion coefficients of nutrients and some biochemical parameters in camels Sayed, A.N, Abdel-Raheem, S. M	Prevalence of anti-Toxoplasma gondii antibodies in the sera of camels (Camelus dromedarius) owned by nomadic population from tribal areas of Pakistan Muhammad Mudasser Nazir, Jamal Muhammad	The effects of supplementation on performance and forage utilization by grazing camels during the drought season Ahmed R. Askar*, Khalid Z. Kewan, Sami Abo Ragab
02:50-03:10	The CSN1S2 gene (α s2-casein) in the Bactrian camel: genetic diversity discovery and bioinformatics analysis Versace C., Gaspa G., Cosenza G., Pauciullo A.	Preventive Effect and Mechanism of Camel Whey Protein on Liver Injury Induced by Heat Stress Donghua Du, Surong Hasi	Outbreaks of epidemic respiratory complex (AI Nahaz) in Arabian camels in Al Muthanna province/ Iraq karima Al-Salihi*	Effect of Production System on Macro Element contents In Camel Blood, Milk and Meat in Sudan. El-rasheed,M.Y. & Adam,Y.S.I.

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Scientific Sessions, Sunday, 12nd March 2023

03:10-03:30	<p>The Illumina® Agricultural Greater Good Initiative: development of a medium-density SNP chip for camels.</p> <p>Bruno, S; Senczuk, G; Landi, V; Di Civita, M; Brooks, S; Almathen, F; Faye, B; Gaouar, SBS; Piro, M; Kim, K-S; Dadi, H; Iglesias Pastrana, C; Al-Haddad, H; Al-Abri, M; David, X; Eggen, A; Burger, P; Ciani, E.</p>	<p>Nanobody based indirect competitive ELISA for Aflatoxin M1 in dairy products</p> <p>Yili, Haiyuan Liu, Yingda Liu, Jirimutu*</p>	<p>Cystic echinococcosis in dromedary camels and their potential role in the epidemiology of Echinococcus spp. in some regions of Algeria and Egypt: Genotyping and phylogenetic study</p> <p>Mohammed Mebarek BIA*, Said Amer, Seongjun Choe, Dongmin Lee, Hansol Park, Mohammed Hocine BENAÏSSA, Ki-Jeong Na, Keeseon S. Eom</p>	<p>Chemical Composition Determination of Leaves of Some Fodder Trees Preferred by Camel, Sudan.</p> <p>Alsadig. H 1*, Elsamni. O2, Seazar. K3.</p>
03:30-03:50	<p>Investigation of the role of gd T cells in dromedaries using 3D comparative modeling approaches</p> <p>Salvatrice Ciccicarese, Giovanna Linguiti, Vincenzo Tragni, Elena Ciani, Ciro Leonardo Pierri</p>	<p>Serum minerals profile and feeds nutritional value of stall feeding and browsing camels in Egypt</p> <p>Hassan A. M. Abdel-Raheem</p>	<p>Colloid goiter and thyroid gland carcinoma in camelus dromedaries in Sudan</p> <p>Abeer A.M, Musa M.Z, Zakia A.M Muna A.E and Jameel A.A</p>	<p>Analysis on the Fusion of Different Religions and Cultures Based on the Plastic Arts of Bactrian Camels</p> <p>H. Wurihan, T. Batsaikhan*</p>

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03:50-04:10	<p>Apparent digestibility of major minerals in camels (<i>Camelus dromedarius</i>)</p> <p>Seddik Mabrouk Mouldi *, Saifi Ali, Dbara Mohamed, Jarray Naceur, Hammadi Mohamed And Khorchani Touhami</p>	<p>Importance of liner design and milking machine settings for optimal milking performance and welfare in camels</p> <p>S. Kaskous</p>	<p>Investigation of endemic and imported camel diseases in Libya</p> <p>Fouziyah Alghanay</p>	<p>Effect of preslaughter stress simultaneously induced by high loading density, thermo-hygrometric parameters and waiting period on the status of oxidative stress indices and vitamin D in liver and kidney in the Arabian camel</p> <p>El Khasmi Mohammed*, Moussahil Abderrahim, Farh Mohamed, Iddar Abdelghani</p>
04:10-04:30	<p>Fractionation of pepsin-hydrolyzed camel and cow lactoferrin : Investigation of antibacterial activity</p> <p>Jrad Zeineb, El-Hatmi Halima, Adt Isabelle, Degraeve Pascal, Oulahal Nadia and Khorchani Touhami</p>	<p>Quantitative determination of D and L lactates in raw and fermented camel milk in Kazakhstan</p> <p>Zauresh Bilal, Assem Issayeva, Shynar Akhmetsadykova, Gaukhar Konuspayeva, Helene Tormo</p>	<p>Isolation and molecular identification of E. coli on 157:H7 in dromedary camels</p> <p>Ali kadhim Altaee, Afaf Abdulrahman Yousif</p>	<p>Protective Effect of Black Cumin Oil Against the Heat-Induced Oxidative Stress in Camel Meat</p> <p>FARH Mohamed, Moussahil Abderrahim, IDDAR Abdelghani and El KHASMI Mohammed</p>
04:30-04:50	<p>Pharmacokinetic of tetracycline antibiotic in camel milk</p> <p>F. Amutova, Z. Bilal, A. Akhatzhanova, A. Issayeva, N.Akhmetsadykov, S.Akhmetsadykova, G.Konuspayeva</p>	<p>Use of artichoke (<i>Cynara scolymus</i>) flower extract as a substitute To rennet in the manufacture of camel milk cheese</p> <p>Imen Fguiri, Moufida atigui, Amel sboui, samira arroum, Mohamed Dbara, Mohamed Hammadi, Touhami Khorchani</p>	<p>The non-DNA sequence variations of experimentally camel-derived <i>Trichinella spiralis</i> in domestic cats</p> <p>Hussein Mohamed Omar</p>	<p>A comparative study of the mineral status of camels in El Oued region: gender, age, and season effects</p> <p>Titaouine Mohammed</p>

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04:50-05:10	Dromedary urine impacts on human tumour and non-tumour renal cell lines viability in serum-reduced media Maria Noemi Sgobba, Carlos Iglesias Pastrana, Nikola Schlosserová, Francisco Javier Navas González, Juan Vicente Delgado Bermejo, Taher Kamal Sayed Osman, Lorenzo Guerra and Elena Ciani	Cheese making from camel milk: Usefulness of Cynara cardunculus flower extract as substitute to rennet Amel Sboui, Mahassen Naouel, Mohamed Hammadi, Touhami Khorchani	Anatomopathological Profile, Microscopic And Molecular Diagnosis of Paratuberculosis/ John's Disease in Naturally Infected Dromedary Camels (Camelus Dromedaries) El Tigani Ahmed El Tigani-Asil, Ghada Ahmed El Dirdiri, Abdelnasir Mohammed Adam Terab, Hassan Zackaria, Nasareldien Altaib, Hussein Khalil, El Hadi Ahmed Mohamed Abdu, Zhaya Jaber Mohammed Al Marri, Abd Elmalik Ibrahim Khalafallah Fadel Elmola and Asma Mohamed Shah	
05:10-05:30		Effect of the enzymatic hydrolysis on anti-oxidant and anti-obesity activities of camel whey proteins compared to cow, goat, ewe and equine species Ben Yagoub Meriem*, Jrad Zeineb, Oussaief Olfa, Azabou Samia, El-Hatmi Halima.	Sarcoptic mange outbreak in a herd of Bactrian camels (Camelus bactrianus) in Sweden Bornstein S, Bergvall K, Vest G, Erlingsson B, Karlstam E, SeligssonD.	



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05:30-05:50		<p>Preservation of camel meat using different maturation stages of date extracts</p> <p>Saleh*, F. A. Otaibi, M. M.</p>	<p>Rift Valley Fever in Sudanese Camels</p> <p>Nahid. A .M. Ibrahim,Tamador. M.A.Elhassan, Mohammed. E. A. Mansour.,Awatif.A. Ahmed, Manal. A.Abdalla</p>	
05:50-06:10		<p>Influence of Gum Arabic (Acacia senegal) Powder on Quality Characteristics and Stability during Frozen Storage of Camel Meatballs</p> <p>Ikhlas Ahmed Nour and Mohamed Hassan Elbadawi</p>	<p>The efficiency of MERS-CoV MVA vaccine in Camels: A systematic review</p> <p>Ahmed Alsaleem, Mahmoud Kandeel*</p>	



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2nd
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CONFERENCE PROGRAM

2nd DAY

MONDAY, 13rd March 2023

Time	Event/Location
	<p>ورشة عمل تحاليل الجينوم في الإبل تحليل التنوع والصفات الوراثية للإبل العربي باستخدام بيانات تسلسل الجينوم الكامل قاعة الفارس (كلية إدارة الأعمال)</p> <p>Workshop on Camel Genome "Analysis of dromedary genetic diversity and structure using whole-genome sequence data" (Al Fars Hall, College of Business Administration)</p>
8:00 – 09:00	<p>Dr. Faisal Almathen Director Of Camel Research Center, King Faisal University, KSA</p> <p>Priv.-Doz. Dr. Pamela Burger Research Institute of Wildlife Ecology Vienna, Austria</p> <p>Dr. Elena Ciani Università degli Studi di Bari Aldo Moro Italy</p> <p>د. فيصل بن صالح المذن مدير مركز أبحاث الإبل، جامعة الملك فيصل</p> <p>د. باميلا برجر معهد بحوث بيئة الحياة البرية فيينا، النمسا</p> <p>د. إيلينا سياني جامعة ديغلي ستودي دي باري ألدو مورو إيطاليا</p>
9:00 – 09:25	<p>Dr. Abdelmalik Ibrahim Khalafalla Animal Wealth, Veterinary laboratories, UAE Zoonotic Diseases Transmitted from Dromedary Camels and the One Health Approach (Al Fars Hall, College of Business Administration)</p> <p>د. عبد الملك خلف الله الثروة الحيوانية، المختبرات البيطرية، الإمارات العربية المتحدة الأمراض المشتركة في الإبل ومفهوم الصحة الواحدة قاعة الفارس (كلية إدارة الأعمال)</p>
09:25 – 09:45	<p>Prof. Gaukhar Konuspayeva Al-Farabi Kazakh National University Evolution of processing for new camel milk products (Al Fars Hall, College of Business Administration)</p> <p>بروفيسور. جواهر كونسبايفا جامعة الفارابي الكازاخستانية الوطنية تطور التصنيع لمنتجات ألبان الإبل الجديدة قاعة الفارس (كلية إدارة الأعمال)</p>
09:45 – 10:05	<p>Coffee Break</p> <p>استراحة</p>

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10:05 – 10:25	Dr. Bernard Faye A technico-economic modelling to assess the profitability of dairy camel farming <u>(Al Fars Hall, College of Business Administration)</u>	د. برنارد فاي مستشار بمختبرات سي راد بفرنسا نمذجة تقنية بيئية لتقييم ربحية تربية الإبل قاعة الفارس (كلية إدارة الأعمال)
10:25 – 10:45	Dr. Davide Monaco Effect of different sperm washing procedures on motility and kinetic parameters of dromedary camel spermatozoa DVM, PhD, Researcher Università degli Studi di Bari Aldo Moro Dipartimento di Medicina Veterinaria (DiMeV) Sezione di Clinica Ostetrica, Italy <u>(At the theater of the Deanship of Student Affairs)</u>	د. ديفيد موناكو جامعة ديجلي ستودي دي باري ألدو مورو إيطاليا تأثير إجراءات غسل الحيوانات المنوية المختلفة على الحركة والبارامترات الحركية للحيوانات المنوية من الجمل العربي قاعة الفارس (كلية إدارة الأعمال)
10:45 – 11:05	Dr. Carlos Iglesias Pastrana University of Cordoba, Spain Multiple phenotype collection in dromedary camels: zoometrics, kinetics and behavior' <u>(Al Fars Hall, College of Business Administration)</u>	د. كارلوس باسترانا جامعة قرطبة-إسبانيا مجموعة النمط الظاهري المتعددة في الإبل العربية: علم الزوميتريكس ، الحركية والسلوك قاعة الفارس (كلية إدارة الأعمال)
11:05 – 11:25	Dr. Peter Nagy Head of Department, Site FST leader Intensive milk production in dromedaries. What makes it intensive <u>(Al Fars Hall, College of Business Administration)</u>	د. بيتر ناجي شركة الامارات لتصنيع البان ومنتجات الإبل-الامارات العربية المتحدة إنتاج الحليب المكثف في الإبل قاعة الفارس (كلية إدارة الأعمال)
11:25 – 11:45	Barbara Padalino DVM, PhD, DipECAWBM(AWSEL) University of Bologna, Italy The First Protocol for Assessing Welfare of Dromedary Camels (Great Ballroom)	د. بربا بادالينو جامعة بولونا إيطاليا البروتوكول الأول لتقييم راحة الإبل العربية قاعة الفارس (كلية إدارة الأعمال)
11:45 – 12:15	Zuhr Prayer and coffee break	استراحة وصلاة الظهر
12:15 – 01:30	ICCGIC <u>(Al Fars Hall, College of Business Administration)</u>	اجتماع وانتخابات الاتحاد الدولي لتحسين الإبل وراثياً قاعة الفارس (كلية إدارة الأعمال)
01:30-03:30	Lunch Break and Exhibition visits-Posters PPT.	استراحة وغداء وزيارة المعرض والملصقات

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Scientific Sessions (MONDAY, 13rd March 2023)

	HALL 1	HALL 2	HALL3	HALL 4
	<p><u>(At the theater of the Deanship of Student Affairs)</u></p> <p>Section : Camelids Biology</p> <p>Chair: Dr. Al Thunian Ali Thunaian</p> <p>Moderator : Abdelazeem Munir</p>	<p><u>(Training Hall)</u></p> <p>Camel production and products</p> <p>Chair: Dr. Samer Alhegelli</p> <p>Moderator: Hisham Abdelmoez</p>	<p><u>Al Fars Hall(Al Fars Hall, College of Business Administration)</u></p> <p>Section: Camelids Reproduction</p> <p>Chair: Dr. Abdelrahman Al-Haider</p> <p>Moderator: Dr. Magdy Wahid</p>	<p><u>(Sports Hall)</u></p> <p>Section: Special Session</p> <p>Chair: Dr. Mohamed Ali</p> <p>Moderator: Dr. Ahmed Magzob</p>
03:30-03:45 pm	<p>Biodiversity of dromedary and hybrid camels in Kazakhstan</p> <p>Akhmetsadykova Sh., E.Shertai, G.Konuspayeva, Dosybayev K., Kantay A., Talzhaynov T., Baisaparov A. B.Faye</p>	<p>Camel milk as a nutraceutical adjuvant in Autistic children</p> <p>Artabandhu Sahoo1, Raghavendra Singh, Pritpal Singh</p>	<p>Evaluation of reproductive performance by using hormonal treatment in anestrus Iraqi camel (Camelus dromedarius).</p> <p>Al-Hamedawi, T. M.; Alyasiri, E. A. and Al-Fatlawy, A.K.</p>	<p>The importance of camels and the legal & therapeutic philosophy of camel milk and urine</p> <p>Manahil Eltigani</p>
03:45-04:00	<p>Toll-like receptor 2 gene variations in lassi and mareecha camel populations of Pakistan</p> <p>Tanveer Hussain, Shahbaz Haider, Masroor Ellahi Babar, Abdul Wajid, Ayesha Mohiuddin, Goher Ayub, Muhammad Amjad Awan</p>	<p>Influence of feeding different levels of energy and protein supplements on milk yield and composition in early lactating Lassi camels</p> <p>Illahi Bakhsh Marghazani, Baboo Saleem, Gulfam Ali Mughal, Farman Ali Sial, Asim Faraz, Ressim Amina</p>	<p>Effect of management system on reproductive performance, hormonal and blood biochemical changes in non-pregnant Sudanese dromedary camels</p> <p>Eglal E.S., Abdoon A.S., Makkawi A., Sid-Ahmed S., Nesreen A. A.</p>	<p>Camel Ownership as a Passage to Adulthood in Omani Bedouin Culture</p> <p>Ibtisam ALwahaibi, Victoria Daulitova, Harry Wels</p>

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Scientific Sessions (MONDAY, 13rd March 2023)

04:00-04:15	<p>Phenotypic and genotypic characterization of Kazakhstani Bactrian camels</p> <p>Akhmetsadykova Sh., E.Shertay, G. Konuspayeva, A. Torekhanov, K. Dossybayev, A. Kantay, E. Talzhanov, N. Alibayev, B. Faye.</p>	<p>Assessment the variation factors of milk production and composition of camels in Kazakhstan</p> <p>Shertai E., G.Konuspayeva, B. Faye, Baisaparov A., Sh. Akhmetsadykova.</p>	<p>Induction of Estrus and Ovulation in Dromedary Camels (Camelus Dromedarius) in Sudan.</p> <p>Ashwag E. Musaad*, Husna M. Elbasheir, Duriya F. and Salih O. Adam</p>	<p>Developing the Knowledge Between the Field/Specialist and the Future Veterinarian/ Medical Students"</p> <p>Noura Abdelmajeed Alzarooni Abudhabi</p>
04:15-04:30	<p>Influence of oversized follicles on Behavior, hormonal concentrations and fertility of camels (Camelus dromedarius)</p> <p>M.M. Waheed, I.M. Ghoneim, M.M. Hasseeb, F.M. Al-Muhasen</p>	<p>Comparative Study between Nisin extracted From Camel, Caw and Goat Milk</p> <p>Suzan Aziz Awla, and Hanan Mohawia Ibrahim</p>	<p>Impact Of Glycine Betaine On Cooled Camel Semen Quality And Fertility Rate</p> <p>Zeidan, A.E. B. ; *A.M.Amer ; Dalia,S.A.Al-Tahan and Liza A. Abdel-Rafaa</p>	<p>Towards a genomic future for camels in pakistan; enhancing camel potentials using new approaches</p> <p>Masroor Ellahi Babar, Tanveer Hussain, Qurat ul Ain Ali Hira</p>
04:30-04:45	<p>Prediction of gestational age in dromedary camels</p> <p>Ahmed Ali*, Refaat Derar Derar, Fahd A. Al-Sobyil, Omar El-Tookhy</p>	<p>A novel camel yoghurt process using camel gelatin as a texturizing agent</p> <p>Imen Fguiri*, Salma Bessalah, Amel Sboui, Samira Arroum, Mohamed Dbara1, Mohamed Hammadi, Touhami Khorchani</p>	<p>Use of hormones and Ultrasonic for assessment of ovarian activity and uterine condition of she camels (Camelus dromedaries) during early pregnancy stages (non-breeding season)</p> <p>Nesreen Abd alrasoul</p>	<p>Reproduction Practices of Camel Wrestling Culture in Turkey</p> <p>Devrim ERTÜRK; Süleyman ŞANLI</p>

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04:45-05:00	<p>Anti-adhesive (MUC1) and adhesive (OPN) protein expression in the embryonic trophoctoderm of the dromedary camel during the peri-implantation period</p> <p>Mohammed Salem Moqbel *, Saeed Yaseen Al-Ramadan, Abdulraman Khalid Alhaider</p>	<p>Production Profile of Marecha Camelid (Camelus Dromedaries) in Desert Ecosystem of Pakistan</p> <p>Asim Faraz</p>	<p>Female dromedary camel infertility: insights into the causal link, diagnostics and management strategies</p> <p>Ahmed Ali*, Derar R. Derar, Tariq I. Almundarij</p>	<p>Measurements evaluated by camel in Kazakh society</p> <p>Nurseitova M., .Massanov Ye</p>
05:00-05:20	Coffee Break			
05:20-05:35	<p>Profile of Some Trace Elements in The Liver of Camels, Sheep, and Goats in the Sudan</p> <p>Mohamed Hussein</p>	<p>Breeding of dromedary camel heifers based on ultrasonographic detection of ≥ 9 mm follicle reduces the age of first service</p> <p>Sumant Vyas*, Rajesh Kumar Sawal, Mohammed Matin Ansari, Kashi Nath, Subroto Vyas, Govind Narayan Purohit</p>	<p>Male camel infertility: an overview of causes and diagnosis options</p> <p>Ahmed Ali*, Derar Refaat Derar, Tariq I. Almundarij</p>	<p>They Called Them All -Afghans</p> <p>Documentary film with Marie Bejah Williams, descendant of "Afghan" cameleer Bejah Dervish, discussing the history .of camels in Australia</p> <p>Douglas Baum</p>
05:35-05:50	<p>Comparison of the effect of 2 diet content of the concentrate on pH, VFA levels and buffering capacity in camels and sheep</p> <p>Touhami Khorchani, Mabrouk-Mouldi Seddik, Mohamed Hammadi, Mongi *Sghaeir</p>	<p>Effect of habituation to milking parlour on camel's behavioural response during training to machine milking</p> <p>Chayma CHAOUCH AOUN1*, Marwa BRAHMI, Moufida ATIGUI, Houcine KHEDIRI, Wiem BEN SALEM, Mohamed HAMMADI</p>	<p>Physical and physiological changes of dromedary camels as parturition approaches under semi-intensive system</p> <p>Imen Hammadi*; Mouldi-Mabrouk Seddik, Wiem Ben Selem, Mohamed Hammadi</p>	<p>Camel Middle East Network (CAMENET): A genuine step towards maximizing camels' impacts & roles in the region</p> <p>Mohamed Ali AlHosa</p>

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05:50-06:05	Physicochemical, antioxidant and antihypertensive properties of fermented camel milk: A comparative study with fermented cow milk Olfa OUSSAIEF, Zeineb Jrad, Touhami Khorchani & Halima El Hatmi	Therapeutic properties of camel colostrum Taherah Mohammad abadi	Effect of Exogenous Progesterone on Implantation after Embryo Transfer in Dromedary Camel Ayman A Swelum, Hani A Ba-Awadh, Isiaka O Olarinre, Abdullah N Alowaimer	Camels on the Walls of Arabian Peninsula Ashraf Sobhy Mohamad Saber
06:05-06:20	Genetic polymorphisms of lipoprotein lipase (LPL) gene and their associations with camel (Camelus dromedarius) milk fatty acids composition Latifa Chamekha,b, Jorge Hugo Calvoc, Touhami Khorchania, Mohamed Habib Yahyaouia	Effect of Indirect and Direct Boiling on the physicochemical Properties of Camel Milk Sabah Ahmed and Abdelmaged Mohammed	Ovulation induction in dromedary she - camels by using two different protocols during non-breeding season A.aziz Makkawi, Nesreen Abd alrasoul, Dr. Duria Alhag, Tsabeh Hussien Hashem	Camel's milk Products and Food Security Najeeb Al-zoreky & Faisal S. Al-Mathe



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06:20-06:35	<p>Effect of concentrate proportion in diet on intake, digestibility and variations of rumen pH and temperature in fattening camel</p> <p>Mohamed Hammadi, Fatma Abdelkebir, Andreia Castro-Costa, Mabrouk-Mouldi ,Seddik</p> <p>Mohamed Dbara, Touhami Khorchani, Gerardo Caja</p>	<p>Seasonal Effect on Camel Milk Microbiota</p> <p>Abdulaziz Al-Ateeqi*, Abrar Akbar, Husam Alomirah, Mohamed Kishk, Anisha Shajan, Rita Rahmeh</p>	<p>Survivability of the cooled camel spermatozoa added with glycine betaine during storage at 5oc</p> <p>Zeidan, A.E. B ; A.M.Amer; Dalia,S.A.Al-Tahan and Liza A. Abdel-Rafaa</p>	<p>The Camel - a Core of Food security</p> <p>Asim Faraz</p>
06:35-06:50	<p>Oxytocin release during machine milking of dromedary camels: Importance of the milking environmental surroundings</p> <p>Atigui M, Marnet P.G., Brahmi M., Barmat A., .Hammadi M</p>	<p>High hydrostatic pressure preservation treatment of camel's milk</p> <p>Siddig H Hamad, Salah M Aleid & Fahad M Aljassas2</p>	<p>Ultrasonic assessment of ovarian activity and uterine condition of she camels (Cameuls dromedarius) during .early pregnancy</p> <p>A.Aziz makkawi, Nesreen Abd alrasoul, Duria Alhag, Jehan Abdalla Mohammed</p>	<p>The uniqueness of camels</p> <p>Hams AL Mohammad</p>



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3rd
DAY



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CONFERENCE PROGRAM

3rd DAY

TUESDAY, 14th March 2023

Time	Event/Location	
08:00- 08:30	Dr. Ming Liang (Online session) College of Food Science and Engineering, Inner Mongolia Agricultural University Inner Mongolia, P. R. China From Genome to Functional Products: A Research Status of Bactrian Camel <u>(Al Fars Hall, College of Business Administration)</u>	محاضرة علمية عبر الإنترنت د. مينج يانج : كلية علوم وهندسة الأغذية، جامعة الزراعة منغوليا الداخلية، جمهورية الصين الشعبية "من الجينوم إلى المنتجات الوظيفية: حالة بحثية للإبل مزدوج السنام" (قاعة الفارس ، كلية إدارة الأعمال)
08:30-09:00	Dr. Taher Mohammad The effect of flaxseed on milk quality and unsaturated fatty acids of dairy camels Salam Veterinary Company <u>(Al Fars Hall, College of Business Administration)</u>	د. طاهر محمد مجموعة سلام البيطرية محاضرة بعنوان: تأثير بذور الكتان على جودة الحليب والأحماض الدهنية غير المشبعة في ألبان الإبل شركة السلام البيطرية (قاعة الفارس ، كلية إدارة الأعمال)
ورشة عمل بعنوان: الأمراض الطفيلية في الإبل والأغنام: التحديات و الفرص Workshop on " Parasitic diseases in Camels and Sheep: Challenges and Opportunitie		
09:00-12:00	" Prof. Dr. Wael El-Deeb College of Veterinary Medicine King Faisal University, KSA Dr. Ahmed Hamdy Ceva Ruminants Marketing Manager, ME& Egypt <u>(At the theater of the Deanship of Student Affairs)</u>	أد. وائل الديب كلية الطب البيطري-جامعه الملك فيصل د. احمد حمدي شركة سيفا العالمية-مدير قطاع المجترات بالشرق الأوسط ومصر (مسرح عمادة شؤون الطلاب)

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Time	Event/Location	
	ورشة عمل حول أمراض الإبل المعدية والإدارة الصحية Workshop on Camel Infectious diseases and Health Management	
09:00– 10:00	Dr. Ahmed Al-Gazar College of Veterinary Medicine King Faisal University, KSA Prof. Mohamed Esmat and Dr. Hamad Al-Hameed Salam Veterinary Group, KSA Hall 2 (Training Hall)	د. أحمد الجزار كلية الطب البيطري-جامعه الملك فيصل أد. محمد عصمت د. حماد الحماد مجموعة سلام البيطرية (قاعة 2: قاعة التدريب)
	ورشة عمل حول تطورات جراحات الإبل Workshop on Camel Infectious diseases and Health Management	
10:00– 11:00	Dr. Saed El-Shafae and Vet Rayan Al-Harbi Salam Veterinary Group, KSA Hall 2 (Training Hall)	د. سيد الشافعي د. ريان الحربي مجموعة سلام البيطرية قاعة التدريب (قاعة 2)
	ورشة عمل عن تغذية الإبل ورعاية حديثي الولادة Workshop on Advances in Camel surgical procedures	
11:00– 12:00	Prof. Dr. Salah Al-Shami President of SVMS King Faisal University, KSA Dr. Mohamed Esmat, Dr. Ashraf Swedan and Vet. Ahmed Abdulraof Salam Veterinary Group, KSA (At the theater of the Deanship of Student Affairs)	أد. صلاح الشامي رئيس الجمعية الطبية البيطرية السعودية أد. محمد عصمت د. اشراف سويدان د. احمد عبد الرؤوف مجموعة سلام البيطرية (مسرح عمادة شؤون الطلاب)
12.00 – 02:00	ISOCARD Assembly Meeting for Election and Closing Ceremony (At the theater of the Deanship of Student Affairs)	اجتماع الجمعية العمومية للجمعية الدولية لأبحاث وتطوير الإبل
02:00-03:00	Lunch Break- Exhibition visits-Posters PPT.	استراحة الغذاء وزيارة المعرض والملصقات

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	HALL 1 (At the theater of the Deanship of Student Affairs) Topic : Camelids Biology Chair: Dr. Abdhah Rahmatullah Moderator: Dr. Abdulaziz Muhanna	HALL 2 (Training Hall) Camel production and products Chair: Dr. Abullah Al-Mubark Moderator Dr. Mohamed Al-Sabae	HALL 3 Al Fars Hall(Al Fars Hall, College of Business Administration) Camelids Health and Diseases Chair: Dr. Nasser Al-Hammam Moderator: Dr. Gamal Hussein	HALL 4 (Sports Hall) Sustainable develop. & camelid welfare Chair: Dr. Yhia Hussein Moderator: Dr. Nedal Hussein
03- 03:15	TYR variants are associated with light brown and black coat color of the dromedary Alshanbari Fahad Abdullah	Optimization and validation of a linear appraisal scoring system for physical fitness-linked zoometric traits in dromedary camels Carlos Iglesias Pastrana*, Francisco Javier Navas González, Elena Ciani and Juan Vicente Delgado Bermejo	About the first case of Camel in Prion Disease in Tunisia Abdelkader Amara, Kéfi Elmehetli, Michele Angelo Di Bari, Laura Pirisinu, Rihab Andolsi, Souhir Gachout, Boubaker Ben Smida, Meriem Handous, Heni Haj Ammar, Roukaya Khorchani, Malek Zrelli, Barbara Iulini, Lucia Florio, Maria Caramelli, Cristina Casalone, Laura De Antoniis, Geraldina Riccardi, Elena Esposito, Matteo Giovannelli, Claudia D'agostino, Barbara Chiappini, Romolo Nonno, Umberto Agrimi, Gabriele Vaccari	Knowledge and perception on animal welfare at the camel market in Egypt Barbara Padalino*, Beatrice Benedetti, Ziani Abdelali, Laura Menchetti

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03:15-03:30	Histological and Immuno-histochemical Study on prenatal development of pancreatic islets of Langerhans of dromedary Camel with especial emphasis on β - cells. Abdelhay Mohamed Ali	Camel skin valorisation: From lab to market Salma Bessalah*, Touhami Khorchani, Mohamed Hammadi	Histopathological and Histochemical investigation of a case of prion disease in a female camel in Tunisia Abdelkader AMARA*, Kéfia ELMEHETLI, Michele Angelo DI BARI, Laura PIRISINU, Rihab ANDOLSI, SouhirGACHOUT, Boubaker BEN SMIDA, Meriem HANDOUS, Heni HAJ AMMAR, Roukaya KHORCHANI, Malek ZRELLI, Cristina CASALONE, Laura DE ANTONIIS, Barbara CHIAPPINI, Umberto AGRIMI, Gabriele VACCARI	Raising Camels in North America: The Struggles, the Needs and the Plan for the Future Valeri Crenshaw
03:30-03:45	Serum proteins capillary electrophoretic pattern during the transition period in camels (Camelus dromedarius) Nawal Mohamed Elkhair	Effect of heat treatment on the vitamins, proteins and amino acids composition of camel milk Amel Sboui*, Maha Hammouda, Abir Omrani, Mohamed Dbara, Touhami Khorchani	Isolation of Chlamydia abortus from bursal tissue and bursal fluid of female dromedary camels with ovarian hydrobursitis Ahmed Ali, Derar R. Derar, Hadia A. Mousa, Salama A. Osman, Walid Refaai, Tariq I. Almundarij, Msaad A. Al-dubaib, Sahar A. Allam	Assessment of Management Systems and Production Constraints of Camel Herds in North Darfur State, Sudan Amasaib E. O., and Mahala, A.G.
03:45-04.00	The impact of concentrate to roughage ratio on pH, VFA levels and buffering Capacity in camels and sheep Touhami KHORCHANI, Mabrouk-Mouldi SEDDIK, Mohamed HAMMADI, Mongi SGHAEIR *	Production of camel cheese using enzymatic extracts of plant origin Imen Fguiri, Amel sboui, samira arroum, Mohamed Dbara, Mohamed Hammadi, Touhami Khorchani	Serological Survey of some viral and bacterial pathogens Infection among Slaughtered camels in southern east of Algeria Mohammed Hocine Benaissa*, Nora Mimoun; Rachid Kaidi	To Cull or Cultivate: A Case Study of Australian Feral Camels (Camelus dromedarius) Zia Ur Rehman, Tanveer Hussain, Zonah Ali, Khawar Ali Shahzad, Saira Mehmood and Anum Yaseen



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04:00 -04:15	<p>The effects of different energy levels on performance and forage utilization by grazing camels during the drought season</p> <p>Ahmed R. Askar, Khalid Z. Kewan, Sami Abo Ragab</p>	<p>A comparison of the effects of adding carob syrup and powder on the nutritional value and antioxidant capacity of yogurt made from camel milk</p> <p>Abir Omrani*, Amel Sboui, Maha Hamouda, Mohamed Dbara, Mohamed Hammadi, Touhami Khorchani</p>	<p>A Comparative Evaluation of PCR, c-ELISA, SAT and Rose Bengal Tests For Diagnosis of Camel Brucellosis in Khartoum State</p> <p>Ehsan Mansour, EL Sanousi Enaam, Dalia Mursi and G.E. Mohammed</p>	<p>First ethogram for evaluating dairy camel behaviour during training period to machine milking</p> <p>M. Brahmi, M. Atigui, P.G. Marnet, M. Hammadi</p>
04:15-04:30	<p>Three-Dimensional Structure of Camel Lipase Predicted by Homology Modelling Method.</p> <p>Hatem BELGUITH, Imen Glaied</p>	<p>Anovel Camel Yoghurt process using camel gelatin as a texturizing agent</p> <p>Imen Fguiri, Salma Bessalah, Amel sboui, samira arroum, Mohamed Dbara, Mohamed Hammadi, Touhami Khorchani</p>	<p>Genotypic detection of pathogenic genes in Escherichia coli (E. coli) isolated from diarrheic camel calves in Sudan</p> <p>Muna E Ahmed, Sabiel YA, Abeer AM, Manal H Salih, Marmar A El Siddig, Twasul M Mohammed, Abeer M Abass, El-gadal AA, Hind EA.</p>	<p>Suckling behaviour early after birth in housed dromedary camel</p> <p>Imen Hammadi, Mohamed Chniter, Moufida Atigui, Frédéric Lévy, Raymond Nowak, Mohamed Hammadi</p>
4:30-04:45	<p>Quality and antimicrobial activity of camel kefir</p> <p>Arroum S., Sboui A., Fguiri I., Dbara M., Hammadi M., Khorchani T.</p>	<p>Colour measurement of camel dromedary colostrum for estimation its protein composition</p> <p>El-Hatmi Halima, Oussaief Olfa, Hammadi Imen, Dbara Mohamed, Hammadi Mohamed, Khorchani Touhami and Jrad Zeineb</p>	<p>Risks of sub-clinical mastitis associated with teat tissue changes induced by milking clusters in dairy camels (Camelus dromedarius)</p> <p>Atigui M*, Brahmi M, Dahmani K., Seddik M.M., Khedheri H., Marnet P.G., Hammadi M.</p>	

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04:45-05:00	<p>Effect of Cam-β-NGF on mass motility and membrane integrity of camel sperm (<i>Camelus dromedarius</i>) after short storage at 4°C</p> <p>Lamia Doghbri , Imed Salhi, Meriem Fatnassi, Mohamed Dbara, Adriana Casao, Salma Bessalah, Rosaura Pérez-Pé and Mohamed Hammadi</p>	<p>Detection of Antibiotic Residue in Camel Meat, Khartoum, Sudan</p> <p>Abeer Abass Mohamed Adam*, Muna Ahmed Elkhalfa, Alshima Hamdoon Eisa</p>	<p>Epidemiological study on parasitic diseases of camels in Tunisia</p> <p>Mohamed Habib JEMLI1, Haykel KESSA, Wiem BEN SALEM, Hafed KHELIF4 and Talel Hamza.</p>	
05:00-05:15		<p>The Effect of Supplementary Feeding and Farming System on Young Camel Daily Gain</p> <p>Sallam A. Bakheit*, Idriss A. Idriss; Jumaa B.Jadalla; Ali A. Hassabo and Ahmed O. Idriss</p>	<p>An outbreak of abortions and high perinatal mortality associated with an iatrogenically transmitted <i>Trypanosoma evansi</i> infection in a camel farm in the UAE.</p> <p>Mostafa Nasef , Aungshuman Das Gupta</p>	
05:15-05:30		<p>Effect of drying period on quality characteristics of dehydrated camel meat</p> <p>Tyseer Zakaria Abdalla Abas, Ikhlas Ahmed Nour</p>	<p>Nanobodies-based system for High-Sensitivity detection of <i>Escherichia coli</i> in a diarrhea camel feces sample</p> <p>Asma Dhehibi*, Amal Raouafi, Mohammed Terrak, Nourddine Raouafi, Mohamed Hammadi and Imed Salhi</p>	



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05:30-05:45	Camel meat, an alternative for red meat in arid zone: Case of Merguez, a Tunisian traditional sausage K. Belguith, Z. Jrad, O. Ousseif, H. Elhatmi	Sandwich-Based Immunosensor for Detection of Pathogenic F17-Positive Escherichia coli Strains isolated from diarrheic camel calves Imed Salhi, Asma Dhehibi, Amal Rabti, Nouredine Raouafi and Mohamed Hammadi	
05:45-06:00	Prevalence Of The Major Camel Milk Borne Pathogens In Turkey Abderraouf Boughezala, Ahmet Güner	The impact of climate change on Bluetongue Disease in Camels (Camelus dromedarius) in Kassala State, Sudan.	
06:00-06:15	Launching the camel dairy industry in Tunisia: Challenges and opportunities Hammadi M, Atigui M, Brahmi M, Sboui A, Seddik Mm, Sghaier M, Khorchani T	Acaricidal activity of Cymbopogon schoenanthus Whole Plant Extracts against larvae and Engorged females of Hyalomma dromedarii (Acari:Ixodidae) under Laboratory Conditions Maha Ahmed Eltigani*, Omran Fadl Osman, Ilham Mohammed Osman, Sakina Mohamed Ahmed Yagi, Husna Mohammed Elbasher	
06:15-06:30	Design of the first milking parlour for dairy camels in Tunisia M. Brahmi, M. Atigui, M. M. Seddik, H. Khediri, F. Soussi, W. Ben Salem, P.G. Marnet, M.Hammadi		

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