



بسم الله الرحمن الرحيم
 جامعة السودان للعلوم والتكنولوجيا
 Sudan University of Science and Technology
 عمادة البحث العلمي



Deanship of Scientific Research

ISCCRP 2017

21st – 23rd November 2017

Khartoum - Sudan

Scientific Program



المؤتمر العلمي الدولي الثالث لإبحاث وإنتاج الإبل
 Third International Scientific Conference
 of Camel Research and Production

Registration		
19-20th November 2017 10:00 am-3:00 pm	Sudan University of Science and Technology (Western Campus)	Deanship of Scientific Research SUST

Conference Hall Ministry of Higher Education and Scientific Research	20thNovember 2017
07:30 – 9:00pm	Opening Ceremony
07:30 – 07:40pm	Holy Quran
07:40 – 07:45pm	Opening & welcoming address (Dean Deanship of Scientific Research & Chairman of Scientific Committee)
07:45 – 07:50pm	Speech of Vice Chancellor
07:50 – 08:10pm	Speech of Minister of Animal Resources
08:10 – 08:30pm	Speech of Minister of Higher Education and Scientific Research
08:30 – 09:00pm	Reception

Day 1: 21st November 2017 Police Club

08:00 – 09:00am	Registration
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Time	Opening of Scientific Session	Main Conference Hall -3rd Floor
08:55 – 09:00am	Holy Quran	
09:00 – 09:05am	Opening & welcoming address - Chairman of Steering committee	
09:05 – 09:10am	Speech of Dean Deanship of Scientific Research	
09:10 – 09:15am	Speech of Vice Chancellor	
09:15- 09:20 am	Speech of Minister of Animal Resources	

	Keynote presentation Chair: Prof. Ibtisam Amin Goreish	Session 1 Main Conference Hall -3rd Floor	
Day 1: 21st November 2017	09:20 – 09:35am	Anatomical and Physiological Characteristics of the One-humped Camel (<i>Camelus dromedarius</i>) Speaker: Mukhtar Taha Abu-Samra	
	09:35 – 09:50am	Camel Nutrient Requirements Speaker: Rafat Al Jassim	
	09:50 – 10:05am	Current Knowledge on Milk Proteins in Dromedary Camels and Future Perspectives of Genetic Improvement of the Species Speaker: Alfredo Pauciuillo	
	10:05 – 10:20am	Managing the Dry Lands' Natural Endowment: Harnessing Vegetation Resources at Hand in the Face of Increased Climatic Uncertainty in Africa, the Case of Eritrea Speaker: Woldeselassie Ogbazghi	
	10:20 – 10:35am	ISOCARD Presentation Speaker: Abdelwahab Aljebori	
	10:35 - 11:00am	Opening of Exhibition	2nd Floor
	11:00 – 11:30am	Coffee & Tea Break	

	Time	Health & Diseases Chair: Prof. Ahmed, A. Gameel	Session 2 Main Conference Hall -3rd Floor
Day 1: 21st November 2017	11:30 – 11:50am	Doubts and Disputes (D & D) on the Susceptibility of Camels to Tick-borne Diseases Ahmed ELGhali A. ALmokhtar	
	11: 50 – 12:00pm	Diagnostic performance of Loop -Mediated Isothermal Amplification Technique (LAMP) for detection of <i>Echinococcus granulosus</i> one humped camel examined at Tamboul abattoir, Gezira State, Sudan Abakar A.D, Hiba Ali Fadul, Talha, A.A, El Hag, A.M, El Mahdi, I.E	
	12:00 – 12:10pm	Multiplex Detection of Camel Antibodies to <i>Trypanosoma evansi</i> , Paratuberculosis, Tuberculosis , <i>Chlamydia abortus</i> , Dromedary Camel Coronavirus and Caseous Lymphadenitis Neil Watt, Gordon Harkiss, Amanda O'Brien, John Clarke, Mansour Hussein, Abdulrahman Nabi, Omer Kibeida, Philippe Buscher, Carlos Gutierrez	
	12:10 – 12:20pm	Effects of Selenium and Vitamin E Injection during Transition Period on Serum Protein Parameters of Camels (<i>Camelus dromedarius</i>) Reared Under Semi-intensive System Mona Hassan Ahmed and Nawal Mohamed Elkhair	
	12:20 – 12:30pm	Serum Glucose, Albumin and Total Protein Levels in Camels Infected with <i>Trypanosoma evansi</i> in Nyala Area. Maki, A., Abdalla, H.S., Mustafa, M	
	12:30 – 12:40pm	A survey of Bluetongue Virus Antibodies and Associate Risk Factors among Camels in Khartoum State, Sudan Shamsaldeen, I. Saeed and Imadeldin, E. Aradaib	
	12:40 – 01:00pm	Discussion	
	01:00 – 01:30pm	Coffee & Tea Break	

	Time	Reproduction Chair: Dr. Suhair Sayed	Session 3 Seminar Hall 2 -2nd Floor
Day 1: 21st November 2017	11:30 – 11:45am	A study of Variation in Semen Quality of Dromedary Camel Bulls Fatnassi, M., Khorchani, T., Hammadi, M	
	11:45 – 12:00pm	Ultrasonic Assessment of Ovarian Activity and Uterine Condition in She Camels during Early Pregnancy Nesreen Abdalrasoul, A.aziz Makkawi, Duria Alhag, Geehan Abdalla Mohammed	
	12:00 – 12:15pm	Genes Regulate Oocyte Developmental Competence and Natural Parthenod Embryos in Camels (<i>Camelus dromedarius</i>) Kandil, O.M., Hemeida, N.A., El-Sayed, M.A., Abdoon, A.S.S., Abd-Elfatah, A., Tesfaye, D., Shellander, K.	
	12:15 – 12:30pm	The Effects of Management Systems on some Reproductive Efficiency and Embryonic Losses in Sudanese Camel Eglal, S. Elkhider, A. aziz Makkawi, Salah-Eldein. Sid-Ahmed, Ahmed S. Abdoon	
	12:30 – 12:4pm5	Oestradiol-17 β profiles throughout Pregnancy and Postpartum Period Associated with First Estrus Postpartum, in Sudan She Camel (<i>Camelus dromedarius</i>) Algailani A. Albeshir, Syed M. Mohamed	
	12:45 – 01:00pm	Discussion	
	01:00 – 01:30pm	Coffee & Tea Break	

	Time	& Husbandry Genetics, Molecular Biology Chair: Prof. Faisal Bin Saleh Almathen	Session 4 Intermediate Conference Hall
Day 1: 21st November 2017	11:30 – 11:40am	Camel Genomics Research in Pakistan: Status and Prospects Tanveer Hussain, Masroor Ellahi Babar, Akhtar Ali, Fahad Rafiq, Kamran Abbas, Abdul Wajid	
	11:40 – 11:50am	Camel Brands used by the Beja Tribes of Eastern Sudan Osheik Adam Ali	
	11:50 – 12:00pm	Conceptualization of Traditional Knowledge (TK) and Conservation for Sustainable Use of Animal Genetic Resources: Implications for Camel Genetic Resources in Sudan Yassir Ahmed Hassan	
	12:00 – 12:10pm	Definition of Gene Structure of Camel's <i>CSN1S1</i> , <i>CSN2</i> and <i>CSN3</i> using Multispecies Alignment Shuiep, E.S., Berima, M.A., Adam, I.M.M., Eltaher, H.A., El Zubeir, I.E.M.	
	12:10 – 12:20pm	Development of a Paternity Test for Dromedary Camels (<i>Camelus dromedarius</i>) in Tunisia Nouairia, G. and Yahyaoui, M.H.	
	12:20 – 12:30pm	Nigerian Camel Genetic Resource : It's Potential to Smallholders Ogah, D.M. Gbude, I.M. Pauciullo, A.	
	12:30–01:00pm	Discussion	
	01:00 – 01:30pm	Coffee & Tea Break	

	Time	Dairy Production Chair: Prof. Warda Shukrtalla	Session 5 Main Conference Hall -3rd Floor
Day 1: 21st November 2017	01:30 – 01:45pm	Effect of Starter Cultures in Fatty Acids Profile of Sudanese Fermented Camel Milk (<i>Gariss</i>) Ahmed, A.I., Mohamed, B.E., Yousif, N.M.E., Faye, B., Loiseau, G.	
	01:45 – 02:00pm	Effect of Lactoperoxidase Enzyme System, Stage of Lactation and Degrees of Temperature on Microbial Load of Camel Raw Milk Hiba, M.I., Mohamed, Ibtisam, El Zubseir, E.M., Abdelaziz A. Fadlelmoula	
	02:00 – 02:15pm	Effect of Span Ages on Quality of Camel Milk Sawsan Adam Abu Izzadin Ahmed and Kamal Awad Abdel Razig	
	02:15 – 02:30pm	Behavioral Response During Training Period to Machine Milking of Dromedary Camels Brahmi, M., Atigui, M., Ben Fraj, R., Marnet, P.G., Hammadi, M.	
	2:30 – 2:45pm	Camel Commercial Automatic Milking in Al-Watania Agric. Co. KSA Hashim M. Abdullah	
	02:45 – 03:00pm	Discussion	
03:00 – 04:00pm	Lunch		
04:00 – 4:30pm	Poster Session		2nd Floor
04:30 – 5:00pm	Companies Session		Main Conference Hall -3rd Floor

	Time	Anatomy Chair: Prof. Hassan Ahmed Ali	Session 6 Seminar Hall 2 -2nd Floor
Day 1: 21st November 2017	01:30 – 01:45pm	Migration and Morphological Study of the Primordial Germ Cells in Camel Embryos (<i>Camelus dromedarius</i>) Tahany, M. MA. Elnagy and Dafalla, I. Osman	
	01:45 – 02:00pm	Histological Study on Prenatal Purkinje Fibres (PF) Development on Dromedary Camel Marwa-Babiker, A.M., Ali, H. A., Ibrahim, Z. H., Ismail, H. I.	
	02:00 – 02:15pm	Ultrastructural Analysis of the Vascular Zones of the Dromedary Neurohypophysis Djazouli, Alim F.Z. and Mahy, N.	
	02:15 – 02:30pm	Comparative Histology and Histometry of the Renal Capsule in Dromedary She Camel (<i>Camelus dromedarius</i>), Cow (<i>Bos indicus</i>) and Ewe (<i>Ovis aires</i>) Eissa, L. Ismail, H.I., Elhassan, M.M.O., Yaseen, R.B., Ali, H.A.	
	02:30 – 02:45pm	Studies of Season-based Histo-morphometric and Histochemical Changes on the Lacrimal Gland of the One-humped Camel (<i>Camelus dromedarius</i>) Huyam-Elmahdi M. Elmahi, Zarroug H. Ibrahim, Tahany M.MA. Elnagy	
	02:45 – 03:00pm	Discussion	
03:00 – 04:00pm	Lunch		
04:00 – 4:30pm	Poster Session		2nd Floor
04:30 – 5:00pm	Companies Session		Main Conference Hall -3rd Floor

Day 2: 22nd November 2017

	Time	Nutrition, Range & Environment Chair: Prof. Faisal Awad	Session7 Main Conference Hall 3rd Floor
Day 2: 22nd November 2017	09:00 – 09:15am	Some Aspects of Applied Camel Nutrition Rafat Al Jassim	
	09:15 – 09:30am	Worldwide Nomadism with Special Reference to Postural Nomadism in Sudan Angara, T-E. E., Eisa M-Z., Maha, M.M.A	
	9:30 – 9:40am	Identification of Suitable Trees and Shrubs for Sustainable Camel Production Mengistu Russom Araya	
	09:40 – 10:50am	The Future's Choice in Challenging Environment is the Promising Camel Raziq, A., M. Younas and Kerstin De Verdier	
	09:50 – 10:00am	Some Rumen and Blood Metabolites and Total Bacterial Count in Camels Hassna A. Elsayed, M. E. Elimam, Salwa A. Elbasheer, Noha H. Taleb, Y. A. Sabeel and A. I. Abdelgabar	
	10:00 – 10:15am	Discussion	
	10:15 – 11:00am	Coffee & Tea Break	

	Time	Health & Disease Chair: Prof. Abdelrahim Idris	Session 8 Seminar Hall 2 -2nd Floor
Day 2: 22nd November 2017	09:00 – 09:15am	Characterization and Antimicrobial Susceptibility of Extra-intestinal Pathogenic <i>Escherichia coli</i> in Healthy Camel in South Tunisia Salma Bessalaha, Imed Salhia, John Morris Fairbrotherc, Ghyslaine Vanierc, Meriem Fatnassia, Hager Harrabia, Touhami Khorchania, Mouldimabrouk Seddika, Mohamed Hammadia	
	09:15 – 09:30am	Epidemiological, Bacteriological and Histopathological Studies of Mastitis in Camels (<i>Camelus dromedarius</i>) in Tumboul Abattoir, Sudan. Abeer, A.M., Elshafie, E. I., Zakia, A.M.	
	09:30 – 10:45am	Effect of Transportation Stress on Some Behavioral Patterns and Hematological Parameters of Dromedary Camel (<i>Camelus dromedarius</i>) Hosny, H. Emeash, Rabie, H. Fayed, Elhussiny, M.Z.	
	09:45 – 10:00am	Comparative Evaluation of Rose Bengal Plate Test and Serum Agglutination Test in Diagnosis of Brucella Infection in Camels in Khartoum State, Sudan. Elamir Gafar Saad Mohamed, Enaam Mohamed El Sanousi, Abdelhamid Ahmed Mohamed Elfadil	
	10:00 – 10:15am	Discussion	
	10:15 – 11:00am	Coffee & Tea Break	

	Time	Meat Production Chair: Dr. Ikhlas Ahmed Nour	Session 9 Intermediate Conference Hall
Day 2: 22nd November 2017	09:00 – 09:15am	Mineral Contents of Camel Meat: A Review Nur El Huda Isam El Din Osman	
	09:15 – 09:30am	Study of Some Physiochemical Attributes of Camel and Goat Meat Siham Abdelwhab Alamin	
	09:30 – 10:45am	Physicochemical and Sensory Characteristics of Burgers Manufactured from Camel Meat with Different Levels of Cowpea Ghada. A. Ibrahim, Egbal S. Abushulukh, Ikhlas.A.Nour, B.A. Dayain	
	09:45 – 10:00am	Effect of Gum Arabic (<i>Acacia senegal</i>) Powder Coating and Sun Drying Period on the Proximate Analysis and Colour of Dehydrated Camel Meat Abdalla, T. Z. and Nour, I. A.	
	10:00 – 10:15am	Discussion	
	10:15 – 11:00am	Coffee & Tea Break	

	Time	Reproduction, Health & Diseases Chair: Prof. Ahmed ELGhali A. ALmokhtar	Session 10 Main Conference Hall-3rd Floor
Day 2: 22nd November 2017	11:00 – 11:10am	Early Pregnancy Detection of Iraqi Female Dromedary Camels (<i>Camelus dromedarius</i>) Using Different Methods Talal Anwer Abdulkareem, Hani Muneeb Al-Rawi, Yassen Taha Abdul-Rahaman, Sajeda Mahdi Eidan	
	11:10 – 11:20am	Effect of Improving Management System on Camels Calving Interval in Western Sudan Bakheit S.A., Faye, B., Salih H.A., Idris, A.O., Hassan, S.	
	11:20 – 11:30am	Camel Trypanosomosis, A potential Emerging Zoonosis: A Review Salma Ali Ragab and Enaam M. El Sanousi	
	11:30 – 11:40am	Prevalence and Distribution Pattern of <i>Sarcocystis</i> spp. in Camels (<i>Camelus dromedarius</i>) in Tambool Slaughterhouse Manal Y.Ishag, A.M .Majid, Salwa ME. Khogali, Manal, H.S.	
	11:40 – 11:50am	Newly Emerging <i>Trypanosoma vivax</i> in Sudanese Camels is the Second Leading Cause of Camel Trypanosomosis in Sudan after <i>Trypanosoma evansi</i> Ehab Mossaad, Bashir Salim, Keisuke Sukanuma, Peter Musinguzi, Mohammed A. Hassan, Elamin EA, Mohammed GE, Amel O. Bakhiet, Xuenan Xuan, Rawan A. Satti, Noboru Inoue	
	11:50 – 12:00pm	Utilization of Crude and Recombinant ELISAs for Serodiagnosis of Camel Trypanosomosis in Sudan Ehab Mossaad, Bashir Salim, Keisuke Sukanuma, Mohammed A. Hassan, Batdorj Davaasuren, Elamin E.A., Mohammed GE, Amel O. Bakhiet, Rawan A. Satti, Noboru Inoue	
	12:00 – 12:20pm	Discussion	
	12:20 – 01:30pm	Coffee & Tea Break	

	Time	Dairy Production Chair: Prof. Hammadi, M.	Session 11 Seminar Hall 2 -2nd Floor
Day 2: 22nd November 2017	11:00 – 11:15am	Effect of Milking Routines, Hygiene Practices and Storage Condition on Milk Production and Quality in Small-scale Dairy Camels' Farms Atigui, M., Ghzaiel, B., Brahmi, M., Hammadi, M.	
	11:15 – 11:30am	Use of Camel Milk for Curing Some Diseases: A survey Study in Khartoum State Hussein, R.M.	
	11:30 – 11:45am	Antimicrobial Activity of Lactic Acid Bacteria Isolated from Camel Milk against Pathogenic Bacteria Isolated from Urinary Tract Infected Patients, Sudan Asmaa, B. Ibrahim, Hisham, N. Altayb, Zeinab, A.M. Elgadi	
	11:45 – 12:00am	Chemical and Sensory Characteristics of Yoghurt Made from Camel Milk Osman, S.E., Eisa, M.O., Babiker, T.M.	
	12:00 – 12:20pm	Discussion	
	12:20 – 01:30pm	Coffee & Tea Break	

Time	Closing Ceremony Chair: Prof. Mahir Suliman Salih	Session 12 Main Conference Hall 3rd Floor
01:30 – 02: 50pm	Camels in Sudan Civilization Prof. Hamed Elnil Mohamed	01:30 – 01: 50pm
	Branding of Camels in Sudan Prof Ali Mohammed Osman Mahjoub	01:50 – 02: 10pm
	Role of Camels in the Sudan Heritage Mohammed Elfatih Y. Abuagala	02:10 – 02: 30pm
	Closing Ceremony & Recommendations Chairman of Scientific Committee	02:30 – 02: 50pm

	Day3: 23rd November 2017	06:00 am
	Camel Racing (Hijin) Social & Excursion Program	