

JOURNAL OF CAMEL PRACTICE AND RESEARCH

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Subscription : Annual subscribers are advised to send the subscription for the year 2014 and onwards in favour of “**Camel Publishing House**” Bikaner. Renewals should invariably be done before April every year so that the number of subscribers may be ascertained before the next issue of the Journal of Camel Practice and Research (JCPR) is published.

SUBSCRIPTION RATES - 2014

ANNUAL	Rs. 2200/- or US \$ 220
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Publisher : The **Journal of Camel Practice and Research** (biannual) is published by the “**Camel Publishing House**” 67, Gandhi Nagar West, Near Lalgah Palace, Bikaner-334001, India. Phone : 0091-151-2527029, email: tkcamelvet@yahoo.com

Cover Design: Dr. T.K. Gahlot

Cover Photo: Downer Animal Bay designed by Dr. T.K. Gahlot at Teaching Veterinary Clinical Complex, College of Veterinary and Animal Science, Bikaner, India to lift the camels needing such assistance; In background "Tulip Garden" of Srinagar, India.

Courtesy: Dr. T.K. Gahlot

Printer: Sankhla Printers, Vinayak Shikhar, Near Polytechnic College, Bikaner-334003, India.

Phone: 0091 - 151 - 2242023

Molecular identification of bacteria and protozoa in camels

The camel science is heading towards a precision in disease diagnosis by adopting molecular identification of bacteria and protozoa in camels. The current issue of Journal of Camel Practice and Research contains four manuscripts based on molecular identification of lactic acid bacteria, *Laswonia intracellularis*, *Babesia* species and *Corynebacterium pseudotuberculosis*. Additionally it has papers on dermatophilosis and faecal community DNA isolation. There are numerous papers based on camel milk related to milk enzymes, bacteria and physical properties. JCPR brings out a paper on pharmacology in its every issue and this time it is based upon effect of enrofloxacin on hepatic microsomal oxidases. This issue also contains important genetic study using twenty five polymorphic microsatellite loci for genotyping some camel types & subtypes from Sudan, Qatar, Chad and Somalia.

The research on Bactrian camels is gaining momentum in recent past. The notable manuscripts published in current issue include electron microscopic studies of lumbar lymph nodes, detection of *Leptospira*, adaptation of of bactrian camel to hot desert climate using interspecies embryo transfer, renal expression and functions of AQP1 and AQP2 and wild camels in the lop nur nature reserve.

Two archaeological studies make this issue special in unraveling the facts about dromedary camels. Dr.Trevor Wilson documents introductions (either from Gaddafi's gifts or from other sources) and the presence of the one-humped camel in West and Central African countries to the south of the 14E N parallel of latitude and west of the 30E East line of longitude in areas that are outside its "normal" distributional range. Dr M.Dioli authored interesting note on the missing hump with a clarification on the reported two-humped stage in the embryonic development of the dromedary.

The current issue also contains manuscripts based on mandibular fractures, fibroma, evisceration, intestinal obstruction, rupture of urinary bladder and uterus in addition to the manuscripts based on physiology, anatomy and production. The news section provides interesting information about "The Rajasthan Camel (Prohibition of Slaughter and Regulation of Temporary Migration or Export) Bill, 2015" that bans the slaughter, trading and unauthorised transportation of camels. Camel had been declared as the State animal last year though there was some opposition from the communities whose livelihoods depend on camel. It also makes causing injury to camel punishable. Recently the National Bureau of Animal Genetic Resources (NBAGR), Karnal, Haryana has certified the Kharai breed as ninth camel breed in India. A rapid response group to fight the scourge of feral camels has been formed by pastoralists in Western Australia's northern Goldfields.

I am sure that the readers will find this issue quite informative and will continue the all round support to this unique periodical on camels.



(Dr. T.K. Gahlot)
Editor

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FOR
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PRACTICE AND RESEARCH**

(BIANNUAL IN ENGLISH LANGUAGE, JUNE AND DECEMBER ISSUE EVERY YEAR)

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