

# Biodiversity and Conservation

April 27-28, 2017 Dubai, UAE

3RSXODWLRQ VLJH DQG KDELWDWGazella bennettii WLCR Q LRDP, QSUDDU HDJH  
Nowshera, Pakistan

6DLI 8OODK 0DTVRRG \$QZDU 7DULT 0HKPRRG 0XKDPPDG 5DLV 6DIGDU \$OL 6KDK 0XKDPPDG \$

The Indian gazelle (*Gazella bennettii*) also known as Chinkara, is a very adaptable wild animal. Present study determined the population size and habitat association of Indian gazelle in Manglot near Nizampur area of District Nowshera from September 2015 to July 2016. The data on population density was collected by direct counting using vantage point method and scanning from these vantage points. A total of 19 Indian gazelles were observed at four different study sites located between 328 m and 504 m elevation in the study area. Of the total individuals observed, 21% were males, 37% were females, 32% were yearlings and 10% were young. Habitat analysis was done through vegetation survey using quadrat method in its habitat. Relative density, relative frequency, relative cover and importance value index were calculated for all plant species recorded in Indian gazelle habitat at four study sites. A total of 22 quadrats were taken between the elevation of 328 m and 504 m near selected vantage points. As many as 33 plant species belonging to 16 families were recorded in Indian gazelle habitat among which trees were 24.2%, shrubs 30.3%, herbs 18.8% and grasses 27.3%. Indian gazelle in the study area is facing problems due to increasing human population and also extension of agricultural practices in its potential habitat.

### Biography

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ZRUNLQJ DV YLVLWLQJ /HFWXUHU DW 'HSDUWPHQW RI =RRORJ\ 8QLYHUVLW\ RI 3HVKDZDU +H KDV ZR  
JDJHOOH GXULQJ KLV 03KLO GHJUHH (DUOLHU LQ %6 +RQV GHJUHH KH KDG FRQGXFWHG UHVHDFK  
:LOGOLIH %LRORJLVW KLV IRXU SDSHUV DUH LQ SXEOLVKLQJ SUHV +H KDV SUHVHQWHG KLV 03KLO D  
FRQIHUHQFHV DQG FRQJUHVHV +H KDV ZRUNHG DV ,QVHUQHH IRU XQJXODWH VXUY\ FRQGXFWHG LQ

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