Plate 3.1

Map of Rajasthan showing locations of Sanctuaries comprising the study area

A. Mt. Abu Wildlife Sanctuary
B. Phulwari-ki-Nal Wildlife Sanctuary
C. Sitamata Wildlife Sanctuary
D. Kumbhalgarh Wildlife Sanctuary
Plate 6.1

Representative Food items of both fowl species during Monsoon in study area

a. *Sorghum halepense*  
b. *Cleome gynandra*  
c. *Cyperus compressus*  
d. *Themeda quadrivalvis*  
e. *Apludamutica*  
f. *Dichanthemum annulatum*  
g. *Pupalialappacea*  
h. *Pnicumpsilopodium*
Plate 6.2

Representative food items of both fowl species during Winter in study area

a. Ziziphusmauritiana fruit
b. Ziziphusnummularia fruit
c. Ziziphusxylopyrus fruit
d. Apludamuticaflower
e. Lantana camarafruit
f. Apludamuticaseeds
g. Dendrocalamusstrictus bud
h. Emblicaofficinalis fruit
Plate 6.3

Food items of both fowl species during summer

a. Fruit of *Ficus benghalensis*
b. Fruit of *Aegle marmelos*
c. Flower of *Butea monosperma*
d. Dung Beetle
e. Fruits of *Ficus racemosa*
f. GJF pair feeding on dung beetles
g. Fruits of *Lantana camara*
h. Fruits of *Ficus glomerata*
i. Fruits of *Ficus religiosa*
j. Scattered dung left after feed
Plate 7.1

Habitat sharing with birds

a. Spotted dove
b. Grey Francolin
c. Flame-back Woodpecker
d. Rose-ringed Parakeet
e. Plum-headed Parakeet and Spotted dove with GJF female
f. Red vented Bulbul
g. Indian Peafowl with GJF
h. Rock pigeon with ARSF
Plate 7.2

Habitat Association with mammals

a. Wild boar
b. Neelgai
c. Hanuman langur
d. Cheetal
e. Chinkara
f. Sloth bear
g. Indian Fox
h. Four-horned antelope
Plate 7.3

Display communication

a. Signaling by eye and head movement in GJF
b. Signaling by waving tail feathers in GJF
c. Eye and head movement in ARSF
d. Flapping of wings with simultaneous jumping in ARSF
Plate 7.4

Foraging behavior

a. Food being picked up by GJF rooster
b. GJF rooster exploring food
c. Walk towards identified food by GJF
d. GJF rooster pecking for food
e. Ground scratch by GJF rooster and hen
f. GJF rooster drinking water
g. ARSF rooster exploring food
h. Food being picked by ARSF hen
i. ARSF hens drinking water at water hole
j. ARSF rooster pecking for food
Plate 7.5

Courtship behavior

a. Dabbling and head movement by GJF rooster near hen
b. Freezing over food by GJF rooster
c. GJF rooster picking food for presenting it to hen
d. GJF rooster following the hen
e. Courtship calling on feeding ground by GJF rooster
f. Freezing over food by ARSF rooster
g. Dabbling and head movement by ARSF rooster
h. Courtship display by wing flapping by ARSF rooster
i. ARSF rooster picking food for presenting it to hen
j. Courtship call by ARSF rooster
Plate 7.6

Parental care

a. RSF rooster, hen and chicks
b. Protection to ARSF chick by keeping it between both roosters
c. ARSF rooster and hen with chicks
d. ARSF hen sheltering chicks
e. ARSF hen teaching chicks to feed
f. Nest of ARSF
g. GJF eggs in nest
h. GJF rooster and hen
Plate 7.7

a. ARSF ground roosting site under F. benghalensis
b. ARSF pit for Roosting
c. *Ficus benghalensis* ree used for roosting by ARSF
d. Ground roost under *Lantana* shrub
e. Roosting pit of GJF
f. and  g. Tree roost (*Aeglemarmalos*) of GJF
h. Roosting pit of ARSF
Plate 7.8

a. and b. ARSF hiding in tall grass
b. ARSF rooster and hen watching over chicks
c. ARSF hen trying to hide behind the boulder
d. and f. GJF rooster trying to hide in bushes
e. g. GJF hen hiding in bushes
f. GJF rooster among bushes
Plate 8.1

Problems observed in study area

a. Wood collection in PKNWLS
b. Tree stump left
c. Post forest fire shrub habitat of SMWLS
d. JCB being used in construction activity in KWLS
e. Fire in potential habitat of Mt. Abu WLS
f. Construction of anicut in valley zone t
g. Pucca road and vehicular traffic near Sanctuary
h. People making fire for cooking food in PA
Plate 8.2

Problems observed in study area

a. Feather remnants of GJF left by predator at river bank in SMWLS
b. Temple in Mt. Abu WLS
c. Residence near feeding and roosting ground of fowls within the sanctuary
d. State highway along KWLS
e. Cattle grazing in SMWLS
f. Heavy ecotourist pressure at Mt. Abu WLS
g. Newly constructed Check dam near roosting ground in PKNWLS
Plate 8.3

Predators of fowls

a. Monitor Lizard
b. Common mongoose
c. Indian Fox
d. Jungle cat
e. Jungle Cat
f. Asiatic Jackal
g. Crested serpent eagle
h. Common kestrel
i. Brown fish owl
j. Crested hawk eagle
Plate 8.4

Conservation measures taken up by Department of Forests

a. Signages to create awareness
b. c. and d. awareness programmes for villagers
e. and f. Fire fighting in sanctuary
g. Eco guides
h. Providing food (Chugga)
i. Anicut constructed to provide water
j. Ater being filled in water tub