Plate 1(a): Map of India showing the location of Allahabad in Uttar Pradesh
Plate 1(b): Topographical map of Allahabad showing different tehsils and villages
Plate 1: Location map of Allahabad in Uttar Pradesh State of India
Plate 2: Forest cover map of Uttar Pradesh
Plate 3: Collection of faecal samples from different wild animals at Deer Park, UCL, Chhatnag, Jhunsi

(a) Collection of faecal pellets of spotted deer in ziplock polythene bags
(b) Faecal pellets of spotted deer
(c) Piling of pellets of black buck
(d) Faecal drooping of peafowl
(e) Ziplock polythene bags containing faecal samples kept in carton box
Plate 4(a) A peacock exhibiting courtship during rainy season in Deer Park, UCL Chattanag, Jhunsi

Plate 4(b) Crow pheasant

Plate 4(c) Brown-capped Pygmy Woodpecker

Plate 4: Avifaunal biodiversity in Deer Park, UCL Chattanag, Jhunsi, Allahabad
Plate 5: Avifaunal biodiversity in Deer Park, UCL Chattanag, Jhunsi, Allahabad
Plate 6: Avifaunal biodiversity in different places in Allahabad
Plate 7(a) Black headed gulls flocking for the readymade feed offered by tourists

Plate 7(b) Readymade bird feed sold by a boatman for black headed gulls

Plate 7: Migratory Black headed gull during winters in Sangam area
Plate 8(a): Breeding colonies of black headed gull in the marshlands in Sangam area

Plate 8(b): Mixed flock of Black winged stilt and great sand plover during winters in a wetland before Shashtri bridge in Allahabad

Plate 8(c): Spotbill duck in a pond in Naini area

Plate 8: Avifaunal biodiversity in wetlands of Allahabad
Plate 9(a): Nesting by spotted munia

Plate 9(b): Nesting of common babbler in *Casurina* spp. plants

Plate 9(c): A nest of common babbler filled with a pair of hatchlings

Plate 9: Photographs showing nests and hatchlings of birds in SHIATS campus, Allahabad
(a) Breeding and roosting colonies of bank myna in the bank of Yamuna river in Naini area
(b) Nesting holes of bank myna
(c) Egg of bank myna in the nesting hole
(d) Water drainage holes of an over bridge in NH-7 utilized for nesting by common myna
(e) An artificial nest hanged by house owner for house sparrow in Gangotri Nagar

Plate 10: Photographs showing the natural and manmade bird habitats in different locations of Allahabad
(a) Heavy infestation of water hyacinth in the out shore of Sangam area
(b) Rotten eggs thrown in open in the bank of river Yamuna
(c) Water submerged area due to heavy flood in river Yamuna during rainy season
(d) Illegal fishing in the offshoot water channels of river Yamuna
(e) Leftover effluents of huts constructed in stream of river Ganga causing water contamination

Plate 11: Photographs showing factors affecting wildlife survival in Allahabad
(a) Pollution in a wetland owing to commercial cloth washing and solid waste disposal in Daraganj area
(b) Light pollution, a concern to the wetland birds and aquatic wildlife near Sangam during Mahakumbh
(c) Photograph showing wastes of pooja (worship) offerings in a wetland in Sangam area

Plate 12: Photographs showing factors affecting wetland health in Allahabad
Plate 13: Topographical map of black buck conservation area in Meja Tehsil of Allahabad
Plate 14(a): A patch of wasteland inhabited by black buck and nilgai in village outskirts continuous with agricultural fields and livestock grazing areas

Plate 14(b): A view of Mahuli village

Plate 14(c): Water channels for agricultural uses forming waterhole for wild animals

Plate 14: Black buck inhabited areas under Meja Tehsil of Allahabad
(a) Small Indian civet cat died due to cold stress and pneumonia
(b) Common mongoose died due to traumatic shock in a road accident
(c) i. Indian cobra died of traumatic shock in road accident being scavenged by crows
   ii. Note the head and abdominal area of cobra severely damaged in road accident
(d) Bank mynas strangulated in kite thread and died of capture myopathy
(e) Pariah kite died of septicemia owing to dislocation of elbow joint and haemorrhage

Plate 15: Carcasses of wild animals and birds died due to different reasons
a. Health management of a golden jackal victim of electric shock
   (i) Jackal with protruding tongue and excessive salivation (close-up view)
   (ii) Jackal with protruding tongue and excessive salivation (full view)
   (iii) Fluid therapy of Golden jackal  (iv) Fluid therapy and medication of Golden jackal
b. A three striped palm squirrel with severe hemorrhage in right ear due to road accident
c. An elephant with hard endurated abscess in its left hind limb

Plate 16: Disease diagnosis and their management in different mammalian species in Allahabad
(a): Collection of blood from brachial vein in pariah kite
(b): An artificial perching site made for pariah kite
(c): Young pariah kite tied with a loose string and being practiced to fly
(d): Pariah kite being practiced feeding of chicken meat in naturalistic way
(e): Release of pariah kite after successful treatment and recovery

Plate 17: Health management of a pariah kite diagnosed for septicemia and heal stroke
a. A pariah kite treated for paraplegia and wing injury
b. A pariah kite with ruffled feathers sitting upon branch of a peepal tree
c. An orphaned common babbler chick rescued and rehabilitated successfully
d. i. Close-up view of right eye of a blue rock pigeon, lost in attack of stray cat
   ii. Blue rock pigeon fed with multivitamins and antibiotics

Plate 18: Disease diagnosis and their management in avifauna in Allahabad
(a) Entrance gate of the Cheoki Ecological Park  
(e) A herd of spotted deer resting under tree shed  
(e) Spotted deer in good body condition  
(f) Duck rearing in water pool  

Plate 19: Photographs showing architecture and animals of Cheoki Ecological Park, Cheoki
(a) Front view of Triveni Environmental Park
(b) Small aviary and rabbit house located in front of Triveni Sports Complex
(c) Landscape of golf ground within the premises of Triveni Environmental Park

Plate 20: Layout of the Triveni Environmental Park, Bamrauli
(a) Runway of Bamrauli Air Port situated at front side of Triveni Environmental Park
(b) Black bucks running away behind the Air Traffic Control unit
(c) A herd of black buck in good body condition
(d) Black buck in average body condition

Plate 21: Photographs showing environmental and black buck health status
(a) Small animal house  (b) Animal cages
(c) Spotted deer grazing in the lush green premises of deer park
(d) Animals being fed with chopped fodder and wet black gram by the animal attendant
(e) Shed antlers of spotted deer  (f) Shed horns of black buck

Plate 22: Zoo architecture and management at Deer Park, UCL Chattanag, Jhunsi
(a) Female spotted deer in poor body condition

(b) Male black buck in good body condition

(c) Male spotted deer in poor body condition with deformity of antlers

(d) Overgrown hooves in the forelimbs of a spotted deer

Plate 23: Body condition evaluation and physical examination in different wild herbivores
Plate 24: Body condition evaluation of black buck and nilgai in Meja tehsil

(a) Black buck herd in average good body condition
(b) Black buck in good body condition
(c) Female nilgai in good body condition
(d) Male nilgai in average body condition
(e) Male nilgai in good body condition
a. Rhesus macaque feeding on guava

b. Open solid waste disposal site often visited by Rhesus macaques in search of food

c. Readily available drinking water in a temple
d. Very old railway office premises forming suitable habitat for monkeys

e. A troupe of monkeys resting upon the roof of Stores Department, NC Railway, Allahabad

f. Old and shut store room, a permanent breeding and resting place of monkeys

Plate 25: Photographs showing monkey menace in Balaipur Railway Colony, Allahabad
Plate 26(a): A herd of nilgai in the village outskirts in Meja tehsil

Plate 26(b): Herd of nilgai entering into the cultivation fields

Plate 26(c): A farmer displaying linseed crop damaged by herds of black buck and nilgai

Plate 26: Photographs showing human wildlife conflict in Meja tehsil of Allahabad
Plate 27: Displays of musk pods and siyar singhi installed by Tantrikas and women vendors for pooja and sale during Mahakumbh 2013

(a) A Tantrik's stall displaying musk pods (fake) and Siyar singhi during Mahakumbh 2013
(b) Sale of musk pods and Siyar singhi in a shop installed by women vendor
(c) Displaying musk pods
(d) Displaying Siyar singhi
(e) Musk pod (close-up)
(f) Musk pod and Siyalsinghi (Close-up)
(a) Caged spotted munia  (b) Spotted munia selecting prophecy cards for customers  
(c) Spotted munia and parakeet in Mela area used in prophecy by prophets and Sadhus  
(d) and (e) Traders selling peacock feathers, Morparkha and Morchal during Mahakumbh 2013

Plate 28: Trade of wild birds and their parts in Allahabad city
(a) Green vine snake for display and sale in front of railway station, Allahabad
(b) A weak and debilitated green vine snake kept for long on poor diet
(c) Saw scale viper for display and sale in front of railway station, Allahabad
(d) A monitor lizard tied in hind limbs with cloth and string
(e) Meat of monitor lizard
(f) Adults and young ones of Giant Indian Forest scorpion

Plate 29: Photographs showing trade of alive reptiles and their parts in Allahabad
(a) A snake charmer playing with a bun and displaying an Indian cobra in front of COD, Cheoki
(b) A snake charmer displaying an Indian cobra in Sangam area
(c) A teenage boy wearing the costumes of Lord Shiva including replica of tiger skin and Indian cobra

Plate 30: Photographs showing snake charmers and devotees of Lord Shiva in Allahabad
Plate 31(a) A view of Panchi Bazar, Nakhas Kona

Plate 31(b) Different species of Indian and exotic birds for sale

Plate 31(c) Spotted munia

Plate 31(d) House sparrow

Plate 31(e) Oriental turtle dove

Plate 31(f) Common bustard or quail

Plate 31: Different species of Indian birds for sale in Panchi Bazar, Nakhas Kona, Allahabad
Plate 32(a) Fledglings of rose ringed parakeet  Plate 32(b) Rose ringed parakeets

Plate 32(c) Slaty headed parakeet  Plate 32(d) Alexandrine parakeet

Plate 32(e) Plum headed parakeet

Plate 32: Different species of parakeets for sale in Nakhas Kona area of Allahabad
Plate 33(a) Hill myna

Plate 33(b) Green avadavat

Plate 33: Different species of birds in illegal wildlife trade
Plate 34(a) Magpie pouter
Plate 34(b) Masakali pigeon
Plate 34(c) Budgerigar
Plate 34(d) Rosy faced lovebird
Plate 34(e) Java sparrow
Plate 34: Photograph showing different species of pet birds
(a) A view of the Jajipurwa village in Chaka tehsil
(b) Women from snake charmers family extracting meat from chicken meat offal
(c) Snakes kept in a dark room
(d) Snake charmer with Khanta, an instrument used in snake handling and capture
(e) Snake charmer with Jholi (cloth sling) and Jhanpi (bamboo basket inside Jholi)
(f) Mule rearing for carriage and sale during trade fair

**Plate 35:** A view of general living conditions of snake charmers in Jajipurwa village of Chaka
(a) Showing two sand boa and a cobra, note the goat rearing by charmer
(b) Sand boa
(c) Cobra
(d) Displaying defectively broken and bleeding fang teeth of cobra

Plate 36: Demonstration of different snake species in trade used by snake charmers