

Student projects carried out on TBA courses in Madagascar are listed under the following headings and subheadings. Within each category projects are chronological.

### **BIRDS**

Behaviour and distribution generally  
Drongo behaviour  
Parrot feeding  
Sunbird foraging

### **INVERTEBRATES**

Ants  
Butterflies  
Other invertebrates

### **OTHER VERTEBRATES**

Lizards and geckos  
Mammals

### **PLANT AND FOREST ECOLOGY**

Distribution  
Plant ecology  
Pollination

## **BIRDS**

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### **Behaviour and distribution generally**

What species are mostly present at the water point and how do they interact? (2002)

Vigilance behaviour of crested drongo (*Dicrurus forficatus*), giant coua (*Coua gigas*), and red-fronted brown lemur (*Eulemur fulvus rufus*) at an open and covered area in Kirindy forest (2009)

Territorial response to bioacoustic playback in *Copsychus albospecularis*, Madagascar magpie-robin, in Kirindy Forest (2010)

Foraging behaviour of the white-breasted mesite (*Mesitornis variegata*) and their associated followers in deciduous dry forest of Kirindy, Western Madagascar (2010)

Drinking behaviour of group and non-group living birds in Kirindy Forest (2011)

Is there a difference in bird diversity, abundance and density in logged with grid, logged without grid and unlogged forest compartments in Kirindy? (2012)

Bird species richness and abundance in edge and forest habitats in Kirindy Forest (2013)

Nest predation in logged and unlogged areas in Kirindy Forest (2013)

### **Drongo behaviour**

Foraging behaviour of the crested drongo (*Dicrurus forficatus*) in the Kirindy deciduous forest, Madagascar (2006)

Strategies and success of *Dicrurus forficatus* feeding behaviour (2007)

### **Parrot feeding**

The impact of flower predation through the lesser Vasa parrot (*Coracopsis nigra*) on big and small trees (*Hildegardia* spp) in Kirindy Forest, western part of Madagascar (2004)

### **Sunbird foraging**

The pattern of sunbird visits on *Hildegardia erythrosiphon* and *Combretum* sp. in Kirindy Forest, Madagascar (2003)

Foraging behaviour of the Nectariniidae in Kirindy Forest, using *Chadsia ironodoensis* as the focal plant species (2004)

Feeding ecology of Souimanga sunbirds (*Nectarinia souimanga*) (2006)

Specialization pollination? A case study of *Chadsia flammea* and the Souimanga sunbird in Kirindy Forest, Madagascar (2006)

Environmental effects on sunbird activity and nectar resources at *Combretum coccineum* in Kirindy Forest (2013)

## INVERTEBRATES

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### Ants

Foraging behaviour of *Aphaenogaster swammerdami* - are they as stupid as they look? (2002)

Distribution of exotic ants, *Pheidole* spp. and *Camponotus* spp., and the native *Aphaenogaster swammerdami* in Kirindy Forest (2003)

Distribution and activity pattern of *Aphaenogaster swammerdermi* in Kirindy Forest (2004)

How well do ants protect *Fernandoa grevei* from herbivory? (2007)

Nectar production, number of ants, and herbivory in relation to leaf position on *Fernandoa grevei* (2007)

Activity patterns of ants at the extrafloral nectaries of *Fernandoa* spp. in Kirindy Forest (2008)

Density and habitat preferences of *Aphaenogaster swammerdami* (2008)

Is intra-specific competition for food affected by the relative activity rate of neighbouring colonies of *Aphaenogaster swammerdami*? (2008)

Effect of habitat on the activity pattern of *Aphaenogaster swammerdami* (2009)

The impact of distance on the level of between colony aggression in the ant *Aphaenogaster swammerdami* in Kirindy Forest, Madagascar (2009)

Resource partitioning between ants and bees, a descriptive study on ecological associations of *Albizia* sp. (2009)

Ant scavenging behaviour as a sampling tool (2010)

Effect of logging on density, foraging range and colony size of *Aphaenogaster swammerdami* in Kirindy Forest (2011)

Impacts of logging on ant diversity and abundance in Kirindy Forest, Madagascar (2013)

### Butterflies

Spatial distribution of butterflies at the water point of Kirindy Forest (2004)

Characteristics of the activity patterns and morphological traits of male *Danaus chrysippus* in Kirindy Forest (2006)

Community composition and behaviour of butterflies at a permanent water point in Kirindy Forest (2007)

Butterfly activity relative to canopy openings in the Kirindy dry forest, Madagascar (2009)

### Other invertebrates

Trap effectiveness and spacing behaviour in ant-lions larvae (2002)

Aspects of feeding habits in ant lions (2003)

Occurrence of the snail *Achatina fulica* along Kirindy River and around Kirindy Forest camping site (2003)

- Water flicking behaviour in two species of dragonflies (2003)
- Ant lions in Kirindy Forest: spatial distribution, habitat choice, and pit structure variation (2007)
- On the relationship between the invasive snail *Achatina* sp. and moisture gradient in Kirindy Forest, (2007)
- Density and activity of tunnel-web-building spiders in Kirindy Forest – influence of arthropod abundance and micro-habitat (2008)
- Effect of human disturbance on arthropod diversity at Kirindy Forest (2008)
- Spatial distribution of termite mounds in an area of forest in the Kirindy Reserve (2008)
- Activity patterns of two apoid wasp species in the dry deciduous forest of Kirindy, Madagascar (2010)
- Web characteristics, hunting behaviour and cooperation between conspecifics in *Stegodyphus* social spider from Kirindy Forest (2010)
- Distribution and size of ant lion traps in relation to prey availability in the dry deciduous forest of Kirindy, Madagascar (2011)
- The density, size and distribution of termite mounds in habitats of different soil types in Kirindy Forest (2012)
- Is antlion larvae pit distribution driven by prey availability? (2012)
- A study of the effects of termite mounds and *Aphaenogaster swammerdami* ant nests on neighbouring seedling density and environment in the dry forests of Madagascar (2013)
- Web of intrigue: investigating the abundance of ground-web spiders in the Malagasy dry deciduous forest of Kirindy (2013)

## OTHER VERTEBRATES

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### Lizards and geckos

- A study of home range, territoriality and activity level of *Zonosaurus laticaudatus* in the dry and semi-deciduous forest of Kirindy (2002)
- Survey of the nocturnal ground geckos of the genus *Paroedura* in the dry deciduous forest of Kirindy (2003)
- Rotten logs: their importance as a microhabitat for geckos in Kirindy Forest (2006)
- Behavioural ecology of iguanid lizard *Oplurus cuvieri* in Kirindy forest: associations with sex and colour morph (2007)
- Activity patterns of ground geckos (*Paroedura picta*) in Kirindy Forest (2008)

### Mammals

- The diversity of sifaka diet during a period of stress in Kirindy Forest (2006)
- Diet overlap of *Propithecus verreauxi verreauxi* and *Eulemur fulvus rufus* during the late dry season in Kirindy Forest (2010)
- Diet of Verreaux's Sifaka (*Propithecus verreauxi verreauxi*, Grandidier 1867) during the dry season in Kirindy Forest, Madagascar (2011)
- In the mood for food: on the importance of water bodies for insectivorous bats (2011)

Lemurs in the night: the effect of artificial light on the grey mouse lemur (*Microcebus murinus*) (2013)

## PLANT AND FOREST ECOLOGY

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### Distribution

Distribution and regeneration of *Adansonia rubrostipa* in Kirindy Forest (2002)

The effects of logging roads on tree composition, structure and species diversity (2003)

Spatial dispersion of plants and animals along a transect in tropical dry deciduous forest (2004)

Abundance and establishment success of *Strychnos mostueoides* in Kirindy Forest (2007)

Distribution of *Commiphora guillaumini* in Kirindy Forest (2008)

Forest structural variables and evergreen tree composition along the Kirindy river (2009)

Forest structure on a soil gradient in Kirindy Forest (Menabe region, Madagascar) (2009)

Regeneration in logging trails in comparison to the lightly logged forest in Kirindy: the case of *Strychnos decussata* as a focus species (2013)

### Plant ecology

Assessment of dispersal and predation of *Strychnos decussata* fruits and seeds by frugivorous tree visitors in Kirindy Forest (2002)

The fate of the seeds of *Cordyla madagascariensis* (2002)

Is a green bark character an adaptation to dry conditions in Kirindy Forest? (2003)

Fate of baobab (*Adansonia rubrostipa*) fruits in dry deciduous forest of Kirindy (2004)

Vertebrate dispersal and predation processes of seeds and seedlings in a species of *Strychnos* in a dry deciduous forest in western Madagascar (2004)

Seed predation of *Adansonia za* and *A. rubrostipa* in Kirindy Forest (2006)

Do the soil characteristics influence the vegetation type? A study of a dry deciduous forest in Madagascar (2010)

Seed dispersal by wind in Kirindy Forest: relationships between wing loading, seed shadows and tree heights (2010)

Fate of baobab seeds, *Adansonia rubrostipa* (2011)

The adaptation of plants in fire-prone ecosystems: savannah and dry deciduous forest of Kirindy, western Madagascar (2011)

How does a rare understorey plant species survive in a dry deciduous forest? A case study of *Uncarina leandrii* in Kirindy Forest (2011)

Hungry caterpillars – herbivory in a tropical dry, deciduous tropical forest (Kirindy Forest, Madagascar) (2012)

Janzen-Connell effects, seed predation and fruit dispersal in the baobab *Adansonia rubrostipa* (2012)

The relationship between the length of liana and the size of succulent stem of *Adenia firingalavensis* (2012)

Variation in nectar volume and sugar concentration in the nectar of *Chadsia flammea* in Kirindy Forest (2012)

Effects of environmental variables and time of day on the visitation patterns of the Neem tree (*Azadirachta indica*) in Kirindy Forest, Madagascar (2013)

### **Pollination**

Distribution and success of pollination of *Vanilla madagascariensis* on the edge and within the forest (2002)

Pollination of *Uncarina paederia* (Pedaliaceae) (2003)

The sugar content of nectar and the attractiveness of the flower to visitors (2006)

A preliminary early-season flower-visitation web for the Kirindy Forest, Madagascar (2009)

Structural specialisation and pollination ecology in two Malagasy species of *Dalechampia* (Euphorbiaceae) (2012)