

Student projects carried out on TBA courses in Kenya are listed under the following headings. Within each category projects are chronological, then alphabetical by title.

Birds

Behavioural ecology
Distribution
Predation

Invasive Plants

Distribution
Ecology

Community and Human Impact

General
Tea Plantation

Invertebrates

Ants & termites
Aquatic invertebrates
Butterflies & moths
Distribution
Other

Herpetofauna

Behaviour and Physiology
Distribution

Ecology

Epiphytes
Pollination

Plants and Forest Ecology

Distribution

BIRDS

Behavioural ecology

Behavioural traits of group living birds: Case study on silvery-cheeked hornbills *Ceratogymna brevis* in Amani Nature Reserve, East Usambara's, Tanzania (2015)

Risk-perception and escape-decision in Common Bulbul (*Pychnonotus barbatus*) (2012)

Resource partitioning in the sunbird community in Amani Nature Reserve (2013)

The influence of nectar amount and quality on sunbird visitation in Amani Nature Reserve, Tanzania (2010)

Spatial and temporal variation in song rate and song duration in the Little Greenbul *Andropadus virens* (2005)

The role of calling in the social behaviour of Silvery-cheeked Hornbills (2005)

The foraging behaviour of the Olive Sunbird (*Nectarinia olivacea*) on *Spathodea campanulata* (2001)

Foraging and social behaviour of Silvery-cheeked Hornbill *Ceratogymna brevis*, Amani Nature Reserve, Tanzania (2000)

Distribution

The distribution of the Olive Sunbird, *Nectarinia olivacea*, in relation with forest habitats (2002)

The importance of a linear strip of remnant forest for understorey birds in the East Usambara Mountains, Tanzania (1998)

Predation

Predation on artificial nests with distance from forest edge in the East Usambara Mountains, Tanzania (1998)

COMMUNITY AND HUMAN IMPACT

General

The effect of illegal small-scale gold mining on stream macro-invertebrate assemblages in the East Usambara Mountains (2013)

Does clothes washing activity in forest streams have an impact on macroinvertebrate biodiversity? (2007)

The Amani Butterfly Project: an assessment of its impact on Amani Nature Reserve (2006)

The effect of cutting on the floodplain vegetation of Amani, Tanzania (2003)

The impact of human activities on floodplain in Amani, East Usambara Mountains, Tanzania (2003)

Pole extraction in the Amani Nature Reserve forests, Tanzania (2001)

Gender participation in natural resource management in the East Usambara Mountains, Tanzania (1998)

Perception of the local people towards the Amani Nature Reserve: the case for Kisiwani and Mlesa villages (1998)

Tea plantations

Examination of riverine macro invertebrate riffle assemblages with particular reference to impact of tea plantations (2007)

A comparison of tea plantation and forest soil habitats in the East Usambara Mountains, Amani, Tanzania (2003)

Tea plantations as a habitat for wild flowers (2001)

HERPETOFAUNA

Behaviour and physiology

Diet composition of sympatric tropical frog species in Amani Nature Reserve regarding niche segregation (2015)

The importance of sex, body size and colours in social interactions of Usambara Three-Horned Chameleons (*Chameleo deremensis*) (2015)

Call differences and calling site selection between two colour morphs of *Leptopelis flavomaculatus* in Amani pond, Amani Nature Reserve, Tanzania (2014)

Is the roosting behaviour of *Kinyongia matschiei* and *Trioceros deremensis* influenced by predation pressure and prey abundance? (2012)

Impacts of washing detergents on aquatic invertebrates and on tadpole development in Amani Nature Reserve (2009)

Push-ups as territorial displays in *Nectophrynoides tornieri* in the Amani Nature Reserve, Tanzania (2009)

The effect of invasive milfoil on abundance and predator-prey interactions of water scorpions and tadpoles in Amani pond, Amani Nature Reserve (2009)

Does habitat type influence the rate of evaporative water loss (EWL) in frogs? A multi-species test on Eastern African frogs (2008)

Potential of the yellow throat as an honest indicator for male strength in *Phrynobatrachus krefftii* (2008)

The show must go on, but at what cost? Looking for compensating traits to the conspicuous colouration in *Phrynobatrachus krefftii* (2008)

Characterisation of the vocalisations of *Nectophrynoides tornieri* Roux, 1906 (Anura: Bufonidae) (2006)

Differential tadpole response to pond and stream predators (2005)

Does the puddle frog, *Phrynobatrachus krefftii*, return to the same place every night? (2001)

Spacing and calling patterns among males of *Hyperolius puncticulatus* and *Hyperolius mitchelli* (2000)

Spacing between calling males of the African Reed Frog, *Hyperolius puncticulatus* (Pfeffer, 1893) in Amani pond (2000)

Distribution

Microhabitat use by *Hyperolius* and *Leptopelis* amphibians in Amani Pond (2015)

Big frogs in a small pond: illegal gold mining provides suitable breeding habitat for *Xenopus borealis* in Amani Nature Reserve, Tanzania (2014)

Comparative study of chameleons (Chameleonidae): are species composition and abundance influenced by trail edge effects in Amani Nature Reserve? (2013)

Preference of *Hyperolius* and *Leptopelis* for microhabitat characteristics at Amani Pond (2013)

Microhabitat preference of frogs in a floodplain wetland (2012)

Effect of edge on distribution of leaf litter amphibians in Amani Nature Reserve, Tanzania (2011)

The effect of monoculture tree stands on leaf litter frog diversity and abundance in Amani Nature Reserve, Tanzania (2011)

Biogeography of pond-breeding amphibians in Amani Nature Reserve, Tanzania (2010)

Spatial distribution patterns of two hyperolid frog species in Amani pond (2006)

Diversity and abundance variations of anurans with habitat strata across Amani swamp, East Usambara Mountains, Tanzania (2005)

Vegetation and height preference of juvenile frogs (*Hyperolius*) in the Amani pond, Amani Nature Reserve, Tanzania (2005)

Factors determining the diversity and abundance of hyperolid frogs in the emergent vegetation in Amani pond, Tanzania (2003)

Is there a relationship between leaf litter habitat and *Arthroleptis* frog abundance in Amani Botanical Garden? (2002)

The effect of harvesting of water weed (*Myriophyllum*) on the frogs and other fauna of Amani pond, Tanzania (2000)

Do anuran species show preference for certain sites in the Amani pond? (1998)

INVASIVE PLANTS

Distribution

Effect of an alien tree, *Psidium cattleianum*, on the forest understorey at Amani Nature Reserve (2015)

An Invasibility Assessment Tool for *Castilla elastica* in Amani Nature Reserve (2014)

Friend or foe? What impacts does *Maesopsis eminii* have on the understorey bird community in Amani Nature Reserve, Tanzania? (2014)

The struggle of *Lantana camara* to survive in forest gaps in Amani Nature Reserve (2009)

Influence of forest trails and forest edges on the spread of *Clidemia hirta* in Amani Nature Reserve (2008)

The factors influencing the abundance and distribution of *Clidemia hirta* in Amani Nature Reserve (2007)

Tree species composition and abundance of invasive species in selected parts of Amani Nature Reserve (ANR) forest, Tanzania (2007)

Life history of *Maesopsis eminii* – Architecture and behavioural ecology in the forest (2002)

Density variation of *Lantana camara* and *Clidemia hirta* with a forest profile perspective, across the forest edge in Amani Nature Reserve (2002)

Invasive woody species in the Monga Forest, East Usambara Mountains, Tanzania (1998)

Ecology

Plant herbivory on confamilial alien invasive and indigenous plant species: a case study of Amani Nature Reserve (2014)

Investigating the enemy release hypothesis on native and alien plant species: a case study in Amani Nature Reserve (2013)

Is hairy leaf a good strategy against herbivores? Example with *Clidemia hirta* (2013)

The influence of the invasive plant species *Ageratum conyzoides* and *Stachytarpheta jamaicensis* on the diurnal floral visitors of the native plant *Asystasia gangetica* in Amani Nature Reserve, Tanzania (2013)

Benefits of an invasive species: the relationship between *Maesopsis eminii* and its frugivores (2010)

Herbivory and predation on *Clidemia hirta* and native plant species in Amani Nature Reserve (2009)

Comparison of butterfly diversity and nectar reward on *Lantana camara* and *Stachytarpheta jamaicensis* in the Amani Nature Reserve (2008)

The effect of altitude on butterfly community visiting *Lantana camara* (2008)

Comparison of insect diversity on confamilial native and alien species of shrubs: a case study of Amani Nature Reserve (2006)

Visitor-generalist plant interactions: case studies of *Lantana camara* & *Stachytarpheta* sp. at Amani Nature Reserve, Tanzania (2006)

Aspects of the pollination biology of *Lantana camara* (Verbenaceae) (2005)

Effect of shade on leaf length, leaf area, stem diameter and coverage of *Lantana camara* under *Maesopsis eminii* and *Cinnamomum camphora* dominated sites in Amani Nature Reserve, East Usambara Mountain, Tanzania (2005)

Seedling dynamics under *Maesopsis* tree canopy in different forest conditions at Amani Nature Reserve (ANR) (2005)

Small mammals as potential seed predators of *Maesopsis eminii* (2005)

Fruit productivity and other life history traits of *Maesopsis eminii* at a forest edge and in a closed habitat of Amani, East Usambara Mountains, Tanzania (2003)

Reproduction of *Ageratum conyzoides* depending on light and flower colour (2003)

Herbivory of *Clidemia hirta* in two sites within Amani Nature Reserve, Tanzania (2002)

The agro-ecological importance of invasive species on farmlands in the East Usambara Mountains, Tanzania. Case species: *Lantana camara*, *Clidemia hirta* and *Rubus rosifolius* (2001)

Butterfly feeding behaviour around *Lantana camara* (2000)

Factors affecting the invasive success of *Clidemia hirta* in Amani, Eastern Usambara Mountains, Tanzania (2000)

The ecology of *Phyllostachys bambusoides* and its impact on indigenous tree species in Amani Nature Reserve (2000)

Regeneration and population structure of the alien tree species *Maesopsis eminii* in Amani Nature Reserve, Tanzania (2000)

Relationship between seed predation of *Maesopsis eminii* and gaps (2000)

The relationship between *Maesopsis eminii* and *Anisophyllea obtusifolia* regeneration along a slope (2000)

Effects of *Maesopsis* on the fauna of the Amani Nature Reserve in the East Usambara Mountains, Tanzania with specific reference to forest litter amphibians (1998)

INVERTEBRATES

Ants & termites

Occurrence and nesting ecology of snouted termites (*Nasutitermes* sp.) between primary and secondary forests in Amani Nature Reserve, East Usambara Mountains, Tanzania (2013)

Dynamics of shelter tube reconstruction of arboreal nest building *Nasutitermes* (2012)

Factors influencing nest site selection by arboreal termites in the Amani Nature Reserve (2010)

Benefits and benefactors: who reaps the rewards in an ant-scale insect interaction? (2009)

An investigation into the effect on abundance and diversity of terrestrial invertebrates of a changing environmental gradient: looking at the edge effect of primary, tropical submontane forest to monoculture tea plantation habitats (2003)

The nesting behaviour of *Eutermes* sp. (Isoptera: Termitidae) in Amani Nature Reserve, Tanzania (2003)

The distribution pattern of *Nasutitermes* sp. nests in Amani Nature Reserve (2002)

Comparative foraging behaviour and prey choice of the African Stink Ant, *Paltothyreus tarsatus*, in three different habitats in Amani, East Usambara Mountains, Tanzania (2000)

Defence strategies in driver ants "Any meat they meet they eat" (1998)

Aquatic invertebrates

Macro invertebrates' response to change in different land use patterns in Kwamkoro River, Usambara Mountains, Tanzania (2015)

A comparison of the aquatic invertebrate communities in forested and agricultural streams in East Usambara mountains (2012)

Habitat preference and tolerance to disturbance of threatened species of dragonflies and damselflies (Odonata) in the East Usambara Mountains, Tanzania (2011)

Territorial behaviour of *Platycypha caligata* (Selys) and *Platycypha auripes* (Förster) in Amani Nature Reserve, Usambara Mountains, Tanzania (2011)

Odonata assemblages in natural and artificial water systems in Amani Nature Reserve (2010)

An investigation of community structure of benthic invertebrate fauna in a montane tropical river ecosystem and the impact of human disturbance (2000)

Butterflies & moths

Assessing changes in butterfly communities across a forest-edge gradient within the Amani Nature Reserve, Tanzania (2009)

Is diversity in cryptic traits in moths consistent with past character displacement arising from search image avoidance? (2008)

Assessing the learning capacity of *Salamis parhassus* and *Bicyclus safitza* (2007)

Behaviour and feeding preferences of three Amani butterfly species (*Acraea insignis*, *Junonia terea* and *Bicyclus safitza*) (2001)

Investigation of butterfly diversity and abundance in open agricultural land and in forest edge in Amani Nature Reserve, Tanga, Tanzania (1998)

Distribution

Effects of vegetation on richness of leaf litter invertebrates in Amani Nature Reserve, Eastern Arc Mountains, Tanzania (2015)

Comparative study of invertebrate species composition in draining forest and agricultural land streams within Amani Nature Reserve, East Usambara Mountains, Tanzania (2014)

The effect of illegal small-scale gold mining on stream macro-invertebrate assemblages in the East Usambara Mountains (2013)

The comparative analysis of insects on leaf litter in different habitats within Amani Nature Reserve (2011)

Response of ground arthropod assemblages to *Maesopsis eminii* colonisation in Amani Nature Reserve (2009)

Leaf litter communities in natural forest and shade cropping areas (2007)

Effect of disturbance on diversity and abundance of detritus invertebrates in Amani Nature Reserve (2006)

Do ground dwelling insect assemblages in forest fragments differ from those found in linear strips and the surrounding matrix (Tea Plantation) (1998)

Others

The role of *Arthrosphaera brandtii* in the millipede community of Amani Nature Reserve (2012)

Effectiveness of defence mechanisms in insects: a case study of ground beetles and katydids in Amani Nature Reserve (2011)

Patterns of millipede distribution in Amani Nature Reserve (2010)

Pollinator communities in two different management systems in the fragmented landscape of Amani Nature Reserve (2010)

A comparative study of Coleoptera diversity and abundance in disturbed and undisturbed forest in Amani Nature Reserve (2005)

Drosophilids as indicators of the level of environmental changes: A case study at Amani, in East Usambara Mountains (2002)

Investigating the activity patterns of a land slug species of Amani Nature Reserve, East Usambara Mountains, Tanzania (2002)

Cricket (*Gryllus* spp.) calling activity and factors determining call characteristics in Amani, East Usambara Mountains, Tanzania (2001)

Patterns of species abundance within a community of fig-wasps (2000)

PLANT ECOLOGY

Distribution

Diversity of tree species regeneration in natural forest gaps in Mbomole Hill (2015)

Forest and Stream Biomass Turnover in a Tropical Ecosystem: A Case of a Forest Stream in Amani Nature Reserve, Tanzania (2014)

Is there a difference in above-ground biomass between primary and secondary forest? A case study in Amani Nature Reserve, Tanzania (2014)

The impact of footpaths and seed removal on the density and distribution of *Cephalosphaera usambarensis* in Amani Nature Reserve, Tanzania (2012)

What plant species prefer gaps? A baseline study of Mbomole and Monga Forest in Amani Nature Reserve, Tanzania (2011)

Vegetation composition and structure of the valley bottom and the upper slopes habitats in Amani Nature Reserve (2007)

Does plant species composition vary beneath *Cinnamomum camphora* plantation trees, compared to natural forest in Amani Nature Reserve? (2005)

Population density of *Allanblackia stuhlmannii* in the disturbed, semi-disturbed and undisturbed areas of Amani Nature Reserve, East Usambaras, Tanzania (2002)

Distribution and density of *Newtonia buchananii* in Amani Nature Reserve, Tanzania (2000)

Distribution and performance of *Cyathea manniana* in Amani Nature Reserve (2000)

Ecology

Investigating the Enemy Release Hypothesis on native and alien plant species: a case study in Amani Nature Reserve (2013)

Is a hairy leaf a good strategy against herbivores? A case study of *Clidemia hirta* (2013)

Assessment of ant relationships on *Thunbergia grandiflora* flowers (2012)

Effects of removing other trees on population structure of the Tanzanian rainforest endemic *Cephalosphaera usambarensis* (2012)

Influence of *Maesopsis eminii* on the recruitment of other tree species in Amani Nature Reserve (2012)

Ant attendance and nectar production in male and female plants of *Lagenaria sphaerica* (2011)

Anthesis and reproductive phenology of *Dictyophleba lucida* (2011)

The effect of floral manipulation on the behaviour of visitors of *Helianthus* sp. and *Thunbergia alata* (2011)

Exotic versus indigenous trees: The current and future composition of forests in Amani Nature Reserve (2010)

Leaf production in relation to damage of seedlings in Amani Nature Reserve (2010)

Do natural floral path-edges act as wildlife corridors through the tea plantations of Amani Nature Reserve? (2009)

The effect of *Maesopsis*, *Macaranga* and *Cephalosphaera* on diversity of soil decomposer fauna in Amani Nature Reserve (2009)

Influence of visual attractiveness and rewards on insect flower visitation in Amani Nature Reserve, Tanzania (2008)

Effects of tree fall gaps in vegetation composition (2007)

Comparative study of herbivory and herbivore diversity on two plant species of the genus *Piper* (Piperaceae), *Piper nigrum* and *P. umbellatum* in Amani Nature Reserve (2003)

A study of the relationship between size of tree and density of fruits, and the influence of light on fruits density of *Allanblackia stuhlmannii* in Amani Nature Reserve, Tanzania (2003)

A study of the leaf decomposition rate and amount of leaf litter of two gap and two emergent tree species in the Amani Nature Reserve, East Usambara Mountains, Tanzania (2001)

Levels of herbivory on three ecological categories of trees in the Amani Nature Reserve (2001)

The effect of canopy cover on the regeneration pattern and distribution of *Newtonia buchananii* (2001)

A comparison of invertebrate herbivory on native and introduced plant species in Amani Nature Reserve, Tanzania (2000)

A survey of regeneration patterns and spatial distribution of *Cephalosphaera usambarensis*, in Amani Nature Reserve, East Usambara Mountains, Tanzania (2000)

Assessing diversity, how species distance curves can be used for the ecological evaluation of tropical rainforests (2000)

Extent of herbivory in patches of three flowering plant species (2000)

Predation and dispersion of *Allanblackia stuhlmannii* seeds in the East Usambara (2000)

Herbivore response to leaf damage in two herbaceous species (1998)

Epiphytes

Altitude, kind of bark and species constitution of phorophyte can affect the species richness on epiphytes (2015)

Determinants of epiphyte presence and richness on tree species in Amani Nature Reserve (2013)

Determining epiphyte presence and richness on tree species in Amani Nature Reserve (2013)

Distribution patterns of two epiphytic fern species (2012)

Abundance and diversity of epiphytes in native versus non-native tree species in Amani Nature Reserve (2008)

Distribution patterns of epiphytes in Amani or: Epiphytes - spirits of the rainforest (2001)

Investigation of factors influencing the species richness of macro-epiphytes in Amani Nature Reserve, Tanzania (2000)

Pollination

Does the pollination ecology of *Stachytarpheta jamaicensis* differ between two different sites? With a full species description (2014)

Effects of forest proximity and floral diversity on tomato pollination by sonicating bees in Amani Nature Reserve (2013)

Comparison of butterfly diversity and nectar reward on *Lantana camara* and *Stachytarpheta jamaicensis* in the Amani Nature Reserve (2008)

Influence of visual attractiveness and rewards on insect flower visitation in Amani Nature Reserve (2008)

Visitor and reward patterns in *Thunbergia grandiflora* and *Cassia floribunda* (2007)

Visitor-generalist plant interactions: case studies of *Lantana camara* & *Stachytarpheta* sp. at Amani Nature Reserve (2006)

Aspects of the pollination biology of *Lantana camara* (Verbenaceae) (2005)

Am I attractive or not? A case study of *Thunbergia grandiflora* in Amani Nature Reserve, Tanzania (2002)

Plant-insect interactions in a liana species: A case study of *Thunbergia alata* at the Amani Nature Reserve in East Usambara, Tanzania (2002)