

Researchs in the Michelin Ecological Reserve

January 31, 2024

Completed Projects

Mammals

- Jenifer Guinot. 2003.
Elements d'ecologie d'un groupe de singes au Bresil: Elaboration de methodes de recherches sur le ouistiti *Callithrix penicillata* pour la Plantation Michelin de Bahia.
Memoire de fin d'etudes Michelin, Clermont-Ferrand.
- Dr. Kevin M. Flesher, 2006. Rutgers University, Program in Ecology and Evolution.
The biogeography of the medium and large mammals in a human-dominated landscape in the Atlantic Forest of Bahia, Brazil: evidence for the role of agroforestry systems as wildlife habitat.
Doctoral research.
- Juliana Laufer, UESC, 2009.
Variation in the relative abundance of the medium and large mammals of the Michelin Ecological Reserve, Igrapiúna, Bahia: a comparison of before and after the introduction of a guard patrol system.
Master research.
- Leila Ramos Neves, UEFS, 2010.
Small nonvolant mammals in Atlantic Forest fragments in southern Bahia: Inventory, morphological descriptions, and identification key of the species
Master research.
- Andréa Dechner, Michigan State University, 2014.
The ecology of an Atlantic Forest carnivore community in a rubber/forest landscape in southern Bahia, Brazil.
Doctoral research.
- Aluane Silva Ferreira, UESC, 2014.
Ecology of the black tuft-eared marmoset (*Callithrix sp.*) in a rubber plantation in the Baixo Sul of Bahia.
Master research.

Birds

- Pedro Lima, CRETREL, 2005.
Final Bird List for the Reserva Ecológica Michelin, Ituberá, Bahia
Unpublished technical report, presented to PMB, 14 pp.
- Claydson Pinto de Assis Bezerra, UFRJ, 2014.

Systematic revision of the Galbulidae (Aves: Galbuliformes)

Doctoral research.

- João Vitor Lino Mota, UFBA, 2015.
Birds as a tool for evaluating connectivity in a forest/agroforestry landscape.
Master research.
- Nathália Diniz Bastos e Silveira, UFBA, 2015.
Food resource availability and territoriality of Atlantic Forest hummingbirds: a field experiment.
Master research.
- Mario Henrique Barros Silveira, UFBA, 2018.
Biogeographical history of Atlantic Forest enclaves using birds as a phylogenetic model.
Doctoral research.
- Nathália Diniz Bastos e Silveira, UFBA, 2019.
Humming bird foraging strategies: Behavioral flexibility and community spatial structure in heterogeneous habitats.
Doctoral research.
- Sidnei Sampaio dos Santos, UFBA, 2021.
Sound signals in the fire-eye (Genus *Pyriglena*, Aves: *Thamnophilidae*): evolution of songs and calls and the effects of phylogeny on vocal recognition.
Doctoral research.

Reptiles and Amphibians

- Dr^a. Flora Acunã Juncá and Felipe Camurugi Almeida Guimarães, 2008.
Composition of the Anuran-fauna in Atlantic Forest Fragments of the Reserva Ecológica Michelin, Ituberá, Bahia.
Research.
- Marco Antonio de Freitas, UESC, 2008.
Geographic distribution, ecology and conservation Status of the jaracuçu-tapete, *Bothrops pirajai* Amaral, 1923.
Master research.
- Tasso Meneses Lima, UEFS/UFBA, 2008.
A study of the terrestrial leaf litter reptiles and amphibians in the Reserva Ecológica Michelin – BA.
Master research.
- Juliana Rodrigues dos Santos Silva, UESC, 2009.
Reproductive behavior of *Ischnocnema ramagii* (Boulenger, 1888) (Anura: Brachycephalidae) in southern Bahia, Brazil.

Master research.

- Tatiana Raquel Alves Vilaça and Dr. Mirco Sole, UESC, 2009.
Reproductive Ecology of Two Species of *Phyllomedusa* (Anura, Hylidae) in southern Bahia.
Master research.
- Edinei da Almeida, UEFS, 2010.
Toxocenoses of tadpoles (Lissamphibia – Anura) in streams and ponds in forest and rubber groves along the Southern Bahian Coast.
Master research.
- Airan Dos Santos Protázio, UEFS, 2011.
Plasticity in tadpoles of *Allobates olfersioides* (Lutz, 1925) and *Bokermannohyla capra* Napoli & Pimenta, 2009 (Amphibia, Anura)
Master research.
- Flávio José Mendes Santos, UEFS, 2011.
Phenotypic plasticity of tadpoles of *Aplastodiscus cavicola* (Cruz & Peixoto, 1985) (Anura: Hylidae) and diet of tadpoles of two *Aplastodiscus* Lutz 1950 species in a forest fragment and rubber grove in the Reserva Ecológica Michelin, Igrapiúna, Bahia, Brazil.
Master research.
- Felipe Camurugi Almeida Guimarães, UEFS, 2012.
Reproductive, territorial, and vocalization behavior of *Hypsiboas atlanticus* (Caramaschi & Velosa, 1996) (Anura: Hylidae) in the Baixo Sul of Bahia, Brazil.
Master research.
- Caio Vinicius de Mira Mendes, UESC, 2012.
The structure of amphibian communities in the vegetation mosaic of the Reserva Ecológica Michelin, Baixo Sul of Bahia, Brazil.
Master research.
- Raoni Rebouças, UESC, 2012.
Analysis of the diets of amphibians in the Baixo Sul of Bahia.
Master research.
- Danilo Silva Ruas, UESC, 2012.
The effects of biotic and abiotic factors on tadpole communities in the Atlantic forest, Baixo Sul of Bahia, Brazil.
Master research.
- Renan Manoel de Oliveira, UESC, 2013.

Diet of two *Phyllomedusa* Wagler, 1830 species living sympatrically in an area of southern Bahia: insights into prey selection and the division of trophic resources.

Master research.

- Danielle Lima Alves, UEFS, 2014.
Ecology and behavior of *Allobates olfersioides* (Lutz, 1925)(Anura: Aromobatidae).
Master research.
- Maiara Carvalho Alves, UESC, 2016.
Thermal tolerance in neotropical anuran species of the genus *Dendropsophus Fitzinger, 1843* and the potential effect of temperature on predation.
Master research.
- Indira Maria Castro, UESC, 2016.
Diet of two species of leaf litter anurans in the Reserva Ecológica Michelin.
Master research.
- Caio Vinicius de Mira Mendes, UESC, 2016.
Evaluation of the influence of local factors and the landscape on the composition of amphibian assemblages in the Atlantic Forest of southern Bahia.
Doctoral research.
- Danilo Silva Ruas, UESC, 2016.
The effect of climate change on amphibian community structure.
Doctoral research.
- Fernanda Natascha Pimentel Freitas, UESC, 2017.
Histological and histochemical description and comparison of skin glands of species of the *Dendropsophus* (Anura: Hylidae) species.
Master research.
- Josemar da Silva Mendes, UEFS, 2017.
"Like father, like son": unpalatability of tadpoles of *Phyllomedusa bahiana* (Phyllomedusidae: Anura) as an anti-predator defense.
Master research.
- Anat Balesan, U of Michigan, 2018.
Relationship of land use with disease in amphibians.
Doctoral research.
- Diego Alejandro Flores Padrón, UESC, 2018.
Ecology of *Lachesis muta* using telemetry.
Master research.

- César Alexandre, Instituto Butantan, 2019.
Poison glands and biology of helmet frogs.
Doctoral research.
- Leildo Machado Carilo Filho, UESC, 2019.
Thermal biology and evolution in Atlantic Forest herpetofauna: integrating ecological patterns, physiological metrics, and phylogeny.
Master research.
- Ramon Costa Dominato, UESC, 2019.
Taxonomic complexity in agricultural lands: how to preserve diversity? Genetic characterization, specific delimitation and evolution of the *Adenomera thomei* Steindachner, 1867 (Anura: Leptodactylidadae) clade.
Master research.
- Daniela Pareja Mejía, UESC, 2021.
Following the tracks of treefrogs: a telemetry study of Hylid and Phyllomedusid frogs at the Reserva Ecológica Michelin.
Doctoral research.
- Paola De la Quintana, UESC, 2023.
Telemetry and natural history of the false corral snake *Oxyrhopus petolarius* in the Reserva Ecológica Michelin.
Master research.
- Rachel dos Santos Pinto de Souza. UESC, 2023.
Ecological aspects and the influence of small-scale heterogeneity on the diversity of arboreal lizards in Atlantic Forest/agricultural mosaic.
Master research.
- Samantha Vieira, UESC, 2023.
The influence of environmental heterogeneity on the trophic ecology of leaf litter anurans.
Master research.
- Pérsides Ribeiro dos Santos, UESC/UFSB, 2024.
Trophic ecology in water bodies in the Atlantic forest based on tadpole stomach analyzes using resulting isotopes and metabarcoding.
Master research.

Fish

- Prof. Dr. Alexandre Clistenes de Alcântara Santos and Leonardo Evangelista Moraes, UEFS, 2008.

Characterization of the Fish Taxocenoses of the Reserva Ecológica Michelin (BA).

Research.

Invertebrates

- Edivan Dias de Assunção, UEFS, 2008.
Richness, diversity, and abundance of termites (Insecta: Isoptera) in the Reserva Ecológica Michelin, Costa do Dendê, Bahia, Brazil.
Master research.
- Elaine Cambuí Barbosa, UFBA, 2009.
Community organization of frugivorous butterflies in a landscape dominated by rubber (Euphorbaceae: *Hevea brasiliensis* Muell. Arg.) plantations.
Master research.
- Zafira Evelma Gurgel, UFBA, 2009.
Evaluation of transfer heterologous microsatellite primers to study the spatial structure of mosaic populations of *Tetragonisca angustula* (Apoidea, Hymenoptera).
Master research.
- Dr^a. Priscila Paixão Lopes, Elkiaer Moraes Campos, and Anderson Matos Medina, UEFS, 2009.
Diversity and functional structure of detritus beetles in forests with differing structures in the Costa do Dendê (Ituberá, Bahia).
Research.
- Elkiaer Moraes Campos, UEFS, 2009.
Characterization of a detritivore beetle community in an Atlantic Forest reserve (Ituberá, BA).
Scientific Initiation.
- Janete Jane Resende, UEFS, 2009.
Ant (Hymenoptera, Formicidae) communities in different forest habitats in the Atlantic Forest region of southern Bahia.
Master research.
- Mirian Silva Santos, UESC, 2009.
Community composition and population fluctuations of fruit flies (Diptera: Tephritidae) in three Atlantic Forest fragments and an orchard in the Sul and Extremo Sul Regions of Bahia.
Master research.
- Alessandra Rodrigues Santos de Andrade, U Católica, 2010.
The influence of natural tree fall gaps on the distribution of daddy long-legs (Arachnidae) in an Atlantic Forest remnant in northeastern Brazil.

Scientific initiation.

- Clarissa Machado Pinto Leite, UFBA, 2010.
Web-spinning spiders as ecological indicators in tropical forests: an analysis from the Atlantic Forest.
Master research.
- Dr. Adolfo Calor & Dr. Carlos Copatti, UFBA, 2013.
Using the composition of the benthic macro-invertebrate fauna to evaluate water quality.
Research.
- Dr. Sergio R. Andena, UEFS, 2013.
Census of social wasps (Vespidae, Polistinae) in the Reserva Ecológica Michelin.
Research.
- Kátia Regina Benati, UFBA, 2013.
The effect of leaf litter structural complexity on temporal variation in the distribution of spiders and ants in an Atlantic Forest fragment.
Doctoral research.
- Janete Jane Resende, UEFS, 2013.
Sub-soil ant community structure in Atlantic Forest fragments of the Reserva Ecológica Michelin.
Doctoral research.
- Sheila Luzia de Santana Varjão, UFBA, 2013.
Comparative study of the influence of leaf litter structure on the composition of spiders (Arachnida: Araneae) and ants (Hymenoptera: Formicidae) in an Atlantic Forest remnant and rubber grove in Bahia, Brazil.
Master research.
- Thalles Plantiny Lavinsky Pereira, UEFS, 2014.
Insects associated with fire ants *Solenopsis* group *Geminata* (Hymenoptera, Formicidae, Myrmicinae).
Master research.
- Dr. Marcos Gonçalves Lhano, UFRB, 2015.
Biodiversity of Orthoptera in the Reserva Ecológica Michelin, Igrapiúna, Bahia.
Research.
- Lucas Medeiros, UFBA, 2015.
Behavior of social spiders.
Master research.
- Victor Montalvão Moreno, UFBA, 2015.

Distribution and habitat use of social spiders.

Master research.

- Lúcia Carvalho Neco, USP.
Metrics of sociability in spiders of the genus *Anelosimus*.
Master research.
- Dr^a. Elizabeth Gerardo Neves, UFBA.
Study of the Malacofauna in conservation areas in Bahia: Reserva Ecológica Michelin.
Research.
- Alessandra Rodrigues Santos de Andrade, UFBA, 2018.
Biogeography of Opilions in the Atlantic Forest - Patterns of Diversity.
Doctoral research.
- Marcelo César Lima Peres, UFBA, 2012.
The effect of natural tree fall gaps on ants (Formicidae) and spiders (Areneae) in an Atlantic Forest.
Doctoral research.
- Denilson Martins, UFMA.
Climatic and Phylogeographic modeling of Euglossini bees (Hymenoptera: Apidae) of open areas in South America.
Doctoral research.
- Leonardo Palloni Accetti Resende, UFBA, 2018.
Modeling the behavior of social spiders: Influence of personality and morphology on web structure and information transmission systems.
Doctoral research.

Plants

- Maria Lenise Silva Guedes & Rômeo de Medeiros Valadão, UFBA, 2007.
Floristic inventory of the Fazenda Michelin, Ituberá/Igrapiúna, Bahia.
Research and Scientific Initiation.
- Dr. Cid Passos Bastos & Silvana Brito Vilas Boas Santos, UFBA, 2008.
Floristic and ecological studies of bryophytes in the Plantações Michelin da Bahia, Baixo Sul, Bahia, Brazil.
Research and Doctoral research.
- Silvana Brito Vilas Bôas Bastos, UEFS, 2008.
Musgos Pleurocárpicos dos fragmentos de Mata Atlântica da Reserva Ecológica Michelin, Município de Igrapiúna, Bahia, Brasil.
Master research.

- Dr^a. Cláudia Elena Carneiro, UEFS, 2008.
Census of the Sapotaceae species of the Reserva Ecológica Michelin, Igrapiúna, Bahia.
Research.
- Dr^a. Silvana Helena N. Monteiro, UEFS, 2008.
Census of the Orchidaceae family in the Reserva Ecológica Michelin, Igrapiúna, Bahia.
Research.
- Dr. Reyjane Patrícia de Oliveira, UEFS, 2010.
Census of the grass (Poaceae) species of the Reserva Ecológica Michelin, Igrapiúna, Bahia.
Research.
- Fernanda Vilela & Dr. Kevin Flesher, CEB, REM, 2010.
The recruitment ecology of biriba (*Eschweilera ovata*, Cambess. [Miers], Lecythidaceae) at three spatial scales in the Atlantic Forest of southern Bahia.
Post-Master research.
- Elton M.C. Leme, Herbarium Bradeanum, & Ludovic J.C. Kollmann, Museu de Biologia Prof. Mello Leitão, 2011.
Bromeliad diversity and conservation in the Reserva Ecológica Michelin.
Research.
- Larissa Rocha Santos, UESC, 2011.
Phenology and structure of trees in differing successional stages in the Atlantic Forest of the Reserva Ecológica Michelin, Bahia, Brazil.
Master research.
- Carla V. Chízmar F., Yale, 2012.
Ecophysiological and anatomical traits of native tree species used in the restoration of the Atlantic Rainforest, Brazil.
Master research.
- Caio Vinicius Vivas Damasceno Melo, UESC, 2012.
DNA Barcode in arboreal Sapotaceae species of the Atlantic Forest.
Master research.
- Hermes Cassiano de Oliveira, UEFS, 2013.
Diversity and ecology of epiphytic bryophytes in the Atlantic Forest of Bahia, Brazil.
Doctoral research.
- Larissa Rocha Santos, Daniela Custódio Talora, and Ana Cristina Schilling, UEFS, 2013.
A comparison of sampling methods for phenological studies.

Post-master's research.

- Flávia de Andrade Brito, UESC, 2014.
Phenology of sub-canopy trees in an Atlantic Forest fragment in the Reserva Ecológica Michelin, Igrapiúna, Bahia.
Master research.
- Antonio Campos Rocha Neto, UNICAMP, 2015.
Taxonomic and morphological studies of the genus *Griffinia* Ker Gawl. (Amaryllidaceae).
Master research.
- Dr. Daniel Piotto, UFSB, 2017.
An evaluation of various planting methods for the enrichment of a rubber plantation landscape with native trees in the Atlantic Forest of southern Bahia, Brazil.
Research.
- Dr^a. Fernanda Amato Gaiotto, UESC.
Restoring the past, reconstructing the future: how genetic parameters can help forest restoration?
Research.
- William Jacinto de Jesus Silva, UEFS, 2023.
Community structure of shrub/trees and Araceae in riparian habitat in the Atlantic Forest of Southern Bahia, Brazil.
Master research.

Plant-animal Interactions

- Dr. Mauro Ramalho, Ciro Tavares Florence, Daniela Monteiro, Fernanda de Souza Vilela, Jaqueline Figuerêdo Rosa, João Paulo Loyola de Oliveira, Mariana Laly Silva Batista, Marília Dantas e Silva, Paulo César Leão Gouvêa, Maise Silva Santana Dos Santos, UFBA, Instituto de Biologia, Departamento de Botânica, 2007.
Spatial dynamics of pollinators and the associated flora: habitat heterogeneity and functional connectivity in the Central Corridor of the Atlantic Forest - BA.
Research.
- Paulo Prates Júnior, UFBA, 2008.
The stratification of foraging behavior of orchid bees (Euglossini, Apoidea) in the Atlantic Forest.
Scientific initiation.
- Anderson Matos Medina, UEFS, 2008.
Detritivore beetles and their effect on nutrient cycling in an Atlantic Forest reserve (Ituberá, BA).

Scientific initiation.

- Daniela Monteiro, UFBA, 2008.
Generalist bees (Meliponina) and the reproductive success of the mass flowering tree *Stryphnodendron pulcherrimum* (Willd.) Hochr., (Fabales-Mimosaceae) in the Atlantic Forest, Bahia.
Master research.
- Fernanda de Souza Vilela, UFBA, 2008.
Influence of predation and dispersal of seeds on the recruitment of biriba (*Eschweilera ovata* [Cambess.] Miers. (Lecythidaceae) seedlings in Atlantic Forest, Reserva Ecológica Michelin, BA.
Master research.
- Oscar da Silva Pereira Netto, UFBA, 2009.
The spatial distribution and diversity of bees in different habitats in an Atlantic Forest mosaic – Bahia.
Scientific initiation.
- Jaqueline Figuerêdo Rosa, UFBA, 2009.
Spatial dynamics of the diversity of Centridini bees: floral oil availability as a measure of habitat quality.
Master research.
- Ludmila Oliveira Isaias da Silva, UFBA, 2009.
Experimental analysis of functional connectivity in the Atlantic Forest: response of Euglossine bees to a rubber matrix.
Scientific initiation.
- Marcos da Costa Dórea, UEFS, 2012.
Pollen morphology, reproductive phenology and floral biology of forest Poaceae species.
Doctoral research.
- Marília Dantas Silva, UFBA, 2012.
The social bee Meliponini (Hymenoptera: Apidae) community in the Atlantic Forest fragments of the Reserva Ecológica Michelin, Ituberá, Bahia.
Doctoral research.
- Aline Góes Coelho, UEFS, 2013.
The plant community utilized by hummingbirds in the understory of an Atlantic Forest fragment in southeastern Bahia, northeastern Brazil.
Doctoral research.
- Dr^a. Marilia Dantas Silva, UFBA, 2013.
Characterization of the arboreal substrates nesting of Meliponina (Apidea, Hymenoptera) in the Reserva Ecológica Michelin, Igrapiúna, Bahia.

Post-Doctoral research.

- Daniela Monteiro, UFBA, 2014.
The dynamics of temporal and spatial partitioning of resources by stingless bees (Hymenoptera - Meliponini) in the Atlantic Forest of Bahia.
Doctoral research.
- Jaqueline Figuerêdo Rosa & Dr. Mauro Ramalho, UFBA, 2014.
Evaluation of gene flow and genetic structure of Euglossini bees in an Atlantic forest/rubber mosaic.
Doctoral research.
- Paulo Cesar Leão Gouvêa, UFBA, 2016.
Effect of *Tetragonisca angustula* massing on a meta-population of Meliponini (Hymenoptera, Apidae) in a forest-silviculture mosaic.
Master research.
- Brenna Pinheiro Bastos, UEFS/UFBA.
The influence of spatial heterogeneity on plant-bee interaction networks in the Atlantic Forest of Southern Bahia.
Doctoral research.

Fungi

- João Ronaldo Tavares de Vasconcellos Neto, UEFS, 2009.
Diversity and selection of basidiomycetes Afiloforóides fungi for the production of lignocelulolíticas enzymes in an Atlantic Forest in Southern Bahia.
Master research.
- Danilo Batista Pinho, UFV, 2012.
Contributions to the understanding of fungi of the order Meliolales and their phylogenetic position.
Doctoral research.
- André Luiz Firmino, UFV, 2013
New taxa and phylogenetic placement of the Asterinales of Brazil.
Master research.

Restoration

- Amaya Sathurusinghe, Yale University, 2023.
Growth and establishment of native rainforest species under rubber (*Hevea brasiliensis*) plantations in Bahia, Brazil.
Master research.

Human Ecology

- Mônica Pereira & Tarcísio Botelho, Ação Ambiental Consultoria, Ltd., 2011.

Socio-environmental diagnostic of the communities neighboring the Reserva Ecológica Michelin, Bahia, Brazil: a relationship to be constructed.
Contracted study.

Projects Underway

Mammals

- Dr. Kevin Fleisher, CEB, REM, 1997.
Long-term monitoring of the medium and large mammals of the Reserva Ecológica Michelin.
Research.

Reptiles and Amphibians

- Daniel Grundmann Nascimento, UEFS, 2023.
Impact of higher average temperatures and dehydration on the locomotor performances of *Rhinella hoogmoedi* Caramaschi e Pombal, 2006 (Anura, Bufonidae) of Atlantic Forest of South Bahia.
Doctoral research.
- Dr. Mirco Solé, UESC.
Home range and locomotion patterns of the herpetofauna of the Atlantic Forest of Southern Bahia.
Research.
- Rafaella Silva Roseno, UESC, 2023.
The effects of climate change on the ecological interactions and the population persistence of the genera *Coleodactylus* and *Leposoma* (Squamata) in the Atlantic Forest of Bahia.
Doctoral research.
- Rosane Cardoso da Silva Aguiar, UESC, 2023.
Home range and site fidelity of *Leptodactylus latrans* (Steffens, 1815) in Southern Bahia.
Master research.
- Pérsides Ribeiro dos Santos
Trophic ecology in water bodies in the Atlantic Forest based on tadpole stomach analyzes using resulting isotopes and metabarcoding.
Master research.

Invertebrates

- Dr. Adolfo Ricardo Calor, UFBA.
ENTOMOBÁHIA: Long-term entomological studies with a focus on canopy biodiversity and biotic interactions.
Research.
- Jociara Silva Costa, UEFS, 2023.

Community structure of Euglossini bees (Hymenoptera: Apidae) in habitats with varying levels of complexity.

Doctoral research.

Plants

- Dr. Kevin Flesher & André Souza dos Santos, CEB, REM, 2005.
Long-term monitoring of the enrichment planting plots in the Reserva Ecológica Michelin.
Research.
- Dr^a. Isys Souza.
Taxonomic identification of fruits and flowers of the Reserva Ecológica Michelin.
Research.
- Dr^a. Lidyanne Aona & Dr. Everton Hilo de Souza, UFRB, 2022.
Taxonomy, ecology, phenology, physiology and reproduction of Bromeliads and other epiphytes of southern Bahia.
Research.

Restoration

- Arun Dayanandan, Yale University, 2023.
Natural regeneration experiment
Doctoral research.
- Dr^a Larissa Rocha Santos, UESC, 2024.
Dynamics of arboreal species communities in areas with different histories in areas of the Atlantic Forest.
Research.