

"The Amazon rainforest, the most biodiverse ecosystem on Earth, is a hot spot for any naturalist to experience the diversity of life. We worked and lived in the most remote location in this rainforest for 3 full months, as if we were part of one of the ancient natural expeditions we always dreamed about. Our study focused on nocturnal fauna and so our routine was quite simple. We always started walking in the late afternoon, returning only when the first signs of sunlight dripped through the trees.

Naturalists that hike and work in the tropical rainforest during the night are likely to have been taught, as we were, survival techniques, first aid protocols and safety rules to avoid unnecessary dangers. We are so used to hearing "always bring security headlamps," "protect against snake bites," "don't forget the first aid kit...compass...map...radio transmitter... batteries," "do not touch this and that," "do not sit on the floor without checking what's hiding between the leaves..." The list of precautions went on. However, when walking on those small paths in the heart of the wild Amazon, we started to realise what we were never advised to do.

To stop, and look through the darkness. To observe how animals survive, in the darkest darkness of the Amazon. We started to realise the astonishing diversity of strategies that had already developed among many different nocturnal fauna, from the perfectly cryptic camouflage of the "bacuraus" to the sky gliding technique of some tiny frogs.

Everything we were advised for, and prepared for, nature had its own set of survival techniques that were far more impressive than our compasses and head lamps."







Left: Velvet worms

(Onychophora spp.)
are slow but effective predators are slow but effective predators of small insects. They catch them by secreting astrong and stretchy 'slime,' made up of water and proteins like collagen. It can use this slime in defense too, and may even block the chelicerae (jaws) of some spiders! They have a life of up to 6 years and are social animals that live in groups of one to 15 individuals with a strong hierarchial structure. structure.

Right: Captured by an array of water and land predators (especially capuchin monkeys!), crabs have adapted to life in the jungle and have colonised the deepest corner of the Amazon thanks to their unique climbing ability, strong shell and claws that can save them from many attacks.











