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The shape of dispersal of propagules by Seolncr

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Plants produce propagules in the form of seeds , accompanied by nude or parts derived from other organs (fruit), which ideally should be dispersed at a distance. The advantage of the dispersion obtained far is multiple: the species is an opportunity to extend its area, the feet are not growing together as related (will not be as "blood") which will increase the vigor of their common ancestry, the new individuals not compete with the mother plant for space and nutrients.

There are several ways to promote the removal of propagules, which especially distinguish anemochory (wind dispersal) and zoocoria.

For zoocoria seeds or fruits have specialized external parties to facilitate their association with animals. We distinguish two types:

? Epizoocoria . You also receive the names of ectozoocoria and exozoocoria . Fruit seeds or adhere to the surface of the animals by means of adhesives or mechanical structures that promote attachment, such as hooks or spears.

? Endozoochory . The seeds are swallowed by certain animals, attracted to it by a testa (seed coat), a fleshy fruit or some other bait. Fruit and seeds are prepared for that lures rewards or carriers with which both attract their dispersing agents.

In Castilian called caltrops to different fruit skewers or fitted with hooks that stick to the fur of mammals or clothing. Many grasses produce spikelets with the same property. In other cases, the fixing is achieved by adhesive substances.

Many plants produce fleshy fruits or seeds fleshy, watery, nutritious, rich in flavors and bright colors. Adaptation involving the attraction of animals that eat them. seeds from the animal's digestive tract. Seeds not only resist the gastric juices, but generally do not reach the full capacity to germinate if not experience its effects.

In parasitic plants that grow on the branches of trees, such as mistletoe (Viscum album) and other lorantÃ¡ceas , the dispersion depends on the birds and arboreal animals, and is the only way to ensure that seeds reach new branches on which germinate.

Olives, for example, must be swallowed, before germinating, what they do medium-sized birds like magpies. Small fruits are abundant in more or less intensely colored red, like cherries, which should continue this treatment. Its color corresponds precisely with the maximum sensitivity of the eye of birds, the equivalent of which is yellow in our own vision. Many tropical fruits are yellow or orange adapted to be eaten by monkeys. In fact interpreted the vision of color that distinguishes the primates (monkeys) from other mammals (not distinguish colors) represents a case of coevolution or coadaptation of primates, arboreal as are the trees of the tropics where they originated. Another group of mammals, including primates, is called the dispersion is that of macroquirÃ³pteros, called voladorres foxes, large bats rainforests own flock to the flowers, also acting as pollinators , and fruit. It's called frugivores (fruit eaters literally) to animals with this adaptation.

In cherries the bait is part of the fruit, in particular the mesocarp , but other species can be directly part of the seed, as in the pomegranate, the seeds are provided with a sarcotesta colorful and sweet.

Some fruits have seeds dispersed in the pulp, as in melons, watermelons and squash (cucurbits,

fam. Cucurbitaceae) and in apples, pears and otherrosaceous related. In these cases the dispersing agent is typically a mammalian omnivore.

EndozoÃ³coras plants obtained another advantage for its seeds, and they are "planted" to the accompaniment of a dose of fertilizer, which represent the stool next to those that are abandoned.

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