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Biology Of Myrmecophytes The Interrelationship Between

For four years, we monitored populations of two Amazonian myrmecophytes, *Cordia nodosa* and *Duroia hirsuta*, and their symbiotic ants.

The intertwined population biology of two Amazonian

Ecology, 90(6), 2009, pp. 1595-1607 2009 by the Ecological Society of America The intertwined population biology of two Amazonian myrmecophytes and their symbiotic ants

The intertwined population biology of two Amazonian

BIRDS AND THE ANT X ACACIA INTERACTION IN CENTRAL AMERICA, WITH NOTES ON BIRDS AND OTHER MYRMECOPHYTES DANIEL H. JANZEN Department of Entomology The University of Kansas Lawrence, Kansas 66044 (Present address: Department of Biology University of Chicago Chicago, Illinois 60637)

Birds and the Ant x Acacia Interaction in Central America

The reproductive biology of the myrmecophyte, *Hirtella physophora*, and the limitation of negative interactions between pollinators and ants Article (PDF Available) in Arthropod-Plant Interactions ...

(PDF) The reproductive biology of the myrmecophyte

1 Department of Biology, Universidad de La Serena, La Serena, Chile; 2 Department of Genetic Engineering, CINVESTAV, Irapuato, Guanajuato, México Abstract: Ant-plant interactions are classic examples of defensive mutualisms and have served as model systems to study the ecology and evolution of mutualisms since the 19th century.

Comparative anatomy and physiology of myrmecophytes

Myrmecophytes invest a large amount of tissue to domatia formation, which could be potentially useful for the storage of water and assimilates, or even for photosynthesis.

Comparative anatomy and physiology of myrmecophytes

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John F. Addicott and H.I. Freedman, On the structure and stability of mutualistic systems: Analysis of predator-prey and competition models as modified by the action of a slow-growing mutualist, *Theoretical Population Biology*, 26, 3, (320), (1984).

Allelopathy by Myrmecophytes: The Ant Azteca as an

1Department of Biology, Program in Ecology, Evolution, and Conservation Biology, University of Nevada, ... Indeed, the vast majority of myrmecophytes feed ants in part via the honeydew of hemipteran scale insects [7]. Although both ants and hemipterans can obtain their required energy from plant phloem sap, several key nutri-

Community analysis of microbial sharing and specialization

Ecology, 90(6), 2009, pp. 1595–1607 © 2009 by the Ecological Society of America The intertwined population biology of two Amazonian myrmecophytes and their symbiotic ants MEGAN E. FREDERICKSON¹ AND DEBORAH M. GORDON Department of Biological Sciences, Stanford University, Stanford, California 94305-5020 USA Abstract.

The intertwined population biology of two Amazonian

Myrmecophytes depend on symbiotic ants (plant-ants) to defend against herbivores. Although these defensive mechanisms are highly effective, some herbivorous insects can use myrmecophytes as their host-plants. The feeding habits of these phytophages on myrmecophytes and the impacts of the plant-ants on their feeding behavior have been poorly ...

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ductive biology of non-acacia myrmecophytes by focusing on the species-specific interaction between the Neotropical myrmecophyte, *Hirtella physophora* Mart. & Zucc. (Chrysobalanaceae), and its obligatory ant partner, *Allo-merus decemarticulatus* Mayr (Myrmicinae) (Grangier et al. 2009). Previous studies on this association demon-

The reproductive biology of the myrmecophyte, *Hirtella*

Myrmecophytes share a mutualistic relationship with ants, benefiting both the plants and ants. This association may be either facultative or obligate. Obligate mutualism. In obligate mutualisms, both of the organisms involved are interdependent; they cannot survive on their own.

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