Puebla, México

Extrafloral nectaries in plants of Zapotitlan Salinas Valley

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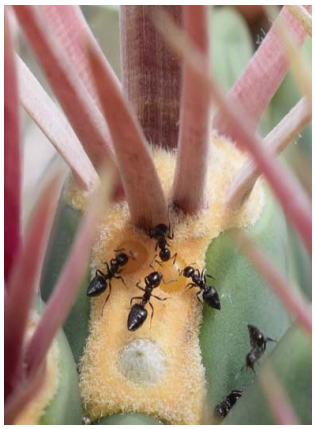
The Zapotitlan Salinas Valley is located in the southeast area of Puebla, Mexico (18° 20´N, 97° 28´W, 1540 m a.s.l.) and is part of the Tehuacan-Cuicatlan Biosphere Reserve (TCBR); It has an annual average temperature of 21ºC and 380 mm of precipitation. The TCBR is considered a site of high diversity and endemism. The predominant vegetation corresponds to xerophilous scrub, with a large extent of columnar cactus forest. Extrafloral nectaries are glands that can be located on any vegetative part of the plant (stem, petiole, stipules, leaves, bracts), that produces nectar and attracts a great diversity of insects but are not associated with the pollination process. The objective of this guide is to show the diversity of extrafloral nectaries associated with 17 plant species.

Panoramic view of Zapotitlan Salinas Valley, Puebla, México



1 *Ferocactus latispinus*
CACTACEAE

2 *Ipomoea arborescens*
CONVOLVULACEAE

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3 *Ipomoea conzattii*
CONVOLVULACEAE

4 *Cnidoscolus tehuacanensis*
EUPHORBIACEAE

5 *Ricinus communis*
EUPHORBIACEAE

6 *Acacia subangulata*
FABACEAE (Mimosoideae)

7 *Chamaecrista greggii*
FABACEAE (Caesalpinioideae)

8 *Leucaena esculenta*
FABACEAE (Mimosoideae)

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Photos by: Armando Aguirre Jaimes y Miriam M. García Rodríguez. Produced by: Miriam M. García Rodríguez y Betsabé Ruíz Guerra.

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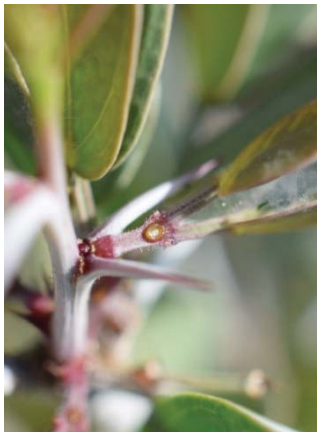
9 *Lysiloma acapulcense*
FABACEAE (Mimosoideae)


10 *Mariosousa compacta*
FABACEAE (Mimosoideae)


11 *Prosopis laevigata*
FABACEAE (Mimosoideae)


12 *Senna multiglandulosa*
FABACEAE (Caesalpinioideae)


13 *Senna galeottiana*
FABACEAE (Caesalpinioideae)

14 *Vachellia bilimekii*
FABACEAE (Mimosoideae)

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15 *Vachellia campechiana*
FABACEAE (Mimosoideae)


16 *Vachellia constricta*
FABACEAE (Mimosoideae)


17 *Passiflora suberosa*
PASSIFLORACEAE