

# The insectivorous genus *Pinguicula* (*Lentibulariaceae*) in the Greater Antilles

by S. Jost Casper

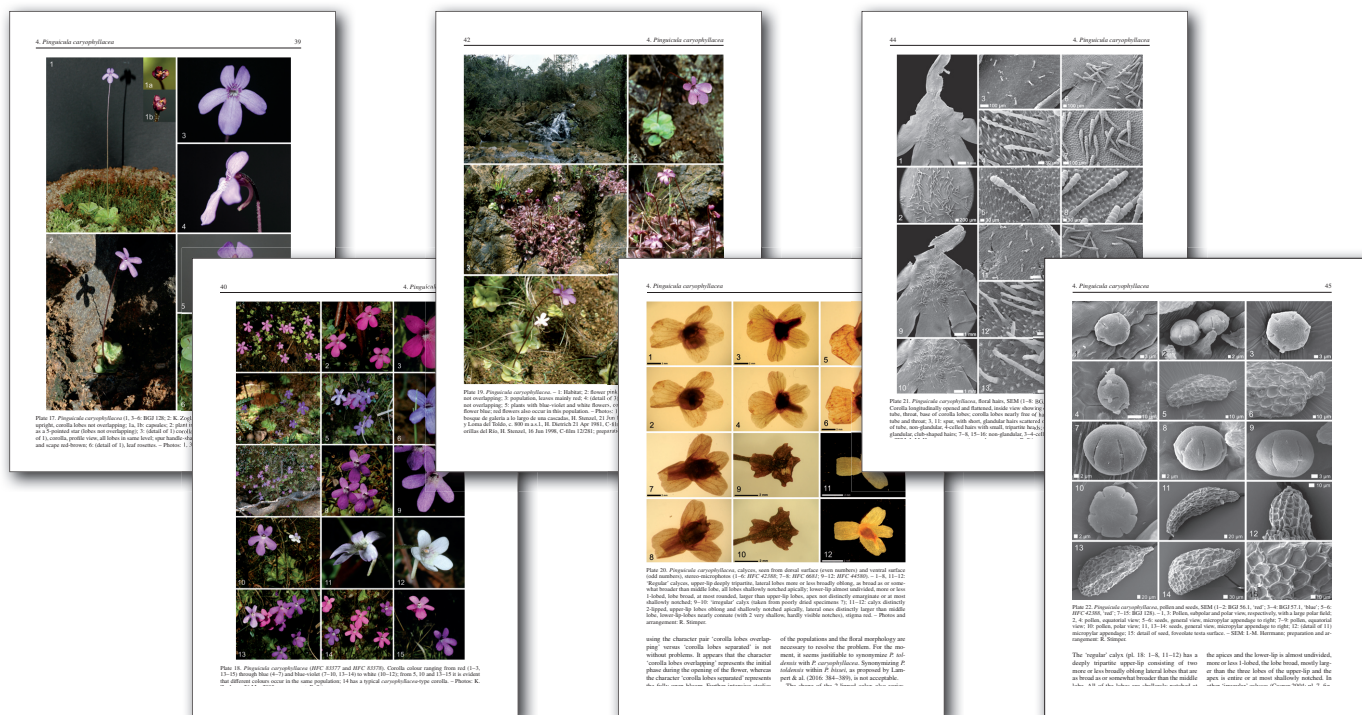
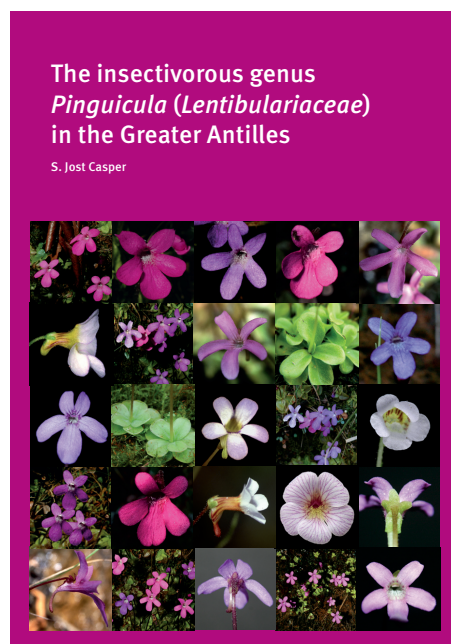
Butterworts (*Pinguicula*, *Lentibulariaceae*) are fascinating, insectivorous plants found in north-temperate regions of the world, extending south to Patagonia and reaching their highest diversity in Central America. In this new monograph, *Pinguicula* specialist S. Jost Casper investigates the 15 species of the Greater Antilles in the Caribbean region, discussing their taxonomy, ecology and biogeography.

Among the 14 species endemic to Cuba and the single species from the Dominican Republic (island of Hispaniola), Casper describes three Cuban species as new to science: *Pinguicula baezensis* Casper, *P. moensis* Casper and *P. orthoceras* Casper. The enigmatic *P. benedicta* Barnhart is also discussed.

The first part of the book includes an identification key followed by detailed accounts of the species: sections on history, descriptions, citations of herbarium specimens and photographs, geographical distributions including distribution maps, habitats and discussion.

In the second part, Casper discusses general aspects of the genus *Pinguicula* in the Greater Antilles: morphology, chromosomes, chorological and palaeogeographical aspects, species differentiation, possible relationships and a summary of molecular systematics and morphology-based classification.

There are 60 plates including colour photographs of living plants in the wild and in cultivation, photographs of flower morphology, images of herbarium type specimens, and images of micromorphological details under light microscopy and scanning electron microscopy. References and indexes of names are also included.



Casper S. J. 2019: The insectivorous genus *Pinguicula* (*Lentibulariaceae*) in the Greater Antilles. – Berlin: Botanic Garden and Botanical Museum Berlin, Freie Universität Berlin. – Englera 35. – ISBN 978-3-946292-30-2. – Softcover, 17,6 × 25 cm, 126 pages, 60 colour or black & white plates, 11 distribution maps. – February 2019.

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