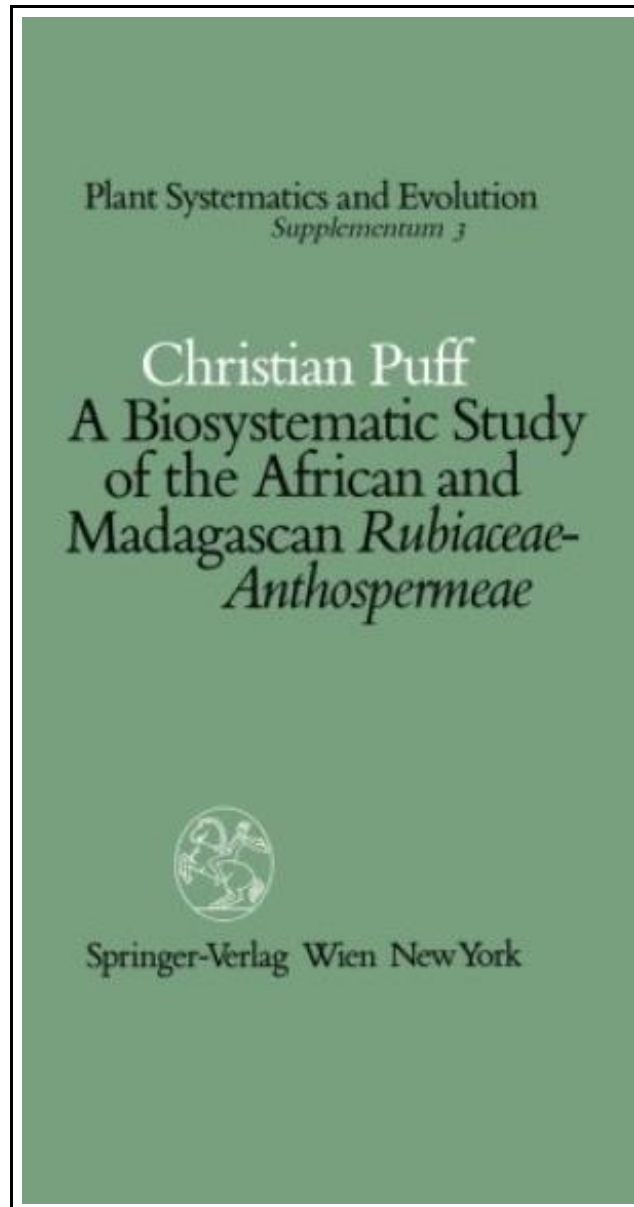


## A Biosystematic Study of the African and Madagascan Rubiaceae-Anthospermeae



Filesize: 8.51 MB

### ***Reviews***

*This ebook is amazing. It is one of the most awesome pdf i have got read through. Your way of life span will probably be transform as soon as you comprehensive looking over this pdf.*

*(Lula Graham IV)*

## A BIOSYSTEMATIC STUDY OF THE AFRICAN AND MADAGASCAN RUBIACEAE-ANTHOSPERMEAE

DOWNLOAD



To read **A Biosystematic Study of the African and Madagascan Rubiaceae-Anthospermeae** eBook, you should refer to the link under and download the file or have accessibility to additional information which might be related to **A BIOSYSTEMATIC STUDY OF THE AFRICAN AND MADAGASCAN RUBIACEAE-ANTHOSPERMEAE** ebook.

Book Condition: New. Publisher/Verlag: Springer, Wien | Biosystematic studies on the Rubiaceae have a long tradition at the Institute of Botany in Vienna. Within this family the Anthospermeae, and especially its African and Madagascan members, are of particular interest because of several aspects in their evolution: 1) Perfection of anemophily within an otherwise nearly exclusively zoophilous family; 2) transitions from hermaphroditism to polygamy and finally dioecy; 3) differentiation from large and long-lived shrubs to short-lived herbs; 4) adaptive radiation from humid to seasonally dry, fire-exposed and xeric habitats. However, morphological diversity linked to sexual differentiation, modificatory plasticity, and eco-geographical polymorphism have for a long time hampered our understanding of the relationships among these African Anthospermeae. Thus, it was imperative to put special emphasis on field observations and to carry out a variety of experiments with cultivated plants in addition to the analysis of an enormous herbarium material. The author, for this reason, carried out extensive field work, often under very adverse conditions, and covered most African countries from Ethiopia to Southern Africa and twice visited Madagascar. In this way a multitude of data was accumulated on the group in respect to germination and growth form, vegetative and reproductive morphology, anatomy and biology, embryology, karyology, crossing relationships, phytochemistry, distribution and ecology, etc. | Abstract.- A. Introduction.- B. Materials and Methods.- C. General Part.- 1. Geographical Distribution and Habitats.- 2. Habit and Growth Form Analyses.- 2.1. Large to Medium-sized Shrubs.- 2.2. Dwarf Shrubs.- 2.2.1. Short-lived Shrubs ("Woody Herbs").- 2.3. Subshrubs.- 2.4. Perennial Herbs.- 2.5. Influence of External Factors on Habit and Growth Form.- 2.5.1. Fire.- 2.5.2. Browsing.- 3. Stems.- 3.1. Indumentum, Cortex, Cork.- 3.2. Wood, Node and Petiole Anatomy.- 4. Leaves.- 4.1. Arrangement; Leafy Short Shoots.- 4.2. Stipules.- 4.3. Blades and Petioles.- 4.4. Age and Persistence.- 4.5. Anatomy.- 4.5.1. Epidermis...



**Read A Biosystematic Study of the African and Madagascan Rubiaceae-Anthospermeae Online**



**Download PDF A Biosystematic Study of the African and Madagascan Rubiaceae-Anthospermeae**

## Relevant Kindle Books



**[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)**

Click the hyperlink below to download and read "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)" file.

[Save eBook »](#)



**[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)**

Click the hyperlink below to download and read "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)" file.

[Save eBook »](#)



**[PDF] TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)**

Click the hyperlink below to download and read "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" file.

[Save eBook »](#)



**[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)**

Click the hyperlink below to download and read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" file.

[Save eBook »](#)



**[PDF] Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Click the hyperlink below to download and read "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications." file.

[Save eBook »](#)



**[PDF] Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities**

Click the hyperlink below to download and read "Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities" file.

[Save eBook »](#)