

Contents

Abstract	7
Zusammenfassung	7
Material	9
Introduction	11
1. Appendages in the vegetative region and the calyx	13
1.1. Apocynaceae	14
1.2. Periplocaceae	15
1.3. Asclepiadaceae	16
1.4. Conclusions on the problem of stipule versus emergence in foliar appendages in the three families	20
2. The corona in Apocynaceae and Periplocaceae	22
2.1. Apocynaceae	22
2.2. Periplocaceae	24
3. The corona in Asclepiadaceae	27
3.1. Position of coronal elements	27
3.2. Conclusions on the position of the corona in Asclepiadaceae	34
3.3. Homology of the staminal corona	35
3.3.1. Topography of the staminal corona: the morphologic character of the basal staminal column	37
3.3.2. Ontogenesis of the corona	41
3.4. Conclusions on the hypotheses concerning the homology of the Asclepiad staminal corona	44
4. Discussion	46
Acknowledgements	49
References	50