

## University of Groningen

### Trachypodaceae

van Zanten, Bernard Otto

**IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.**

*Document Version*

Publisher's PDF, also known as Version of record

*Publication date:*

1959

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

van Zanten, B. O. (1959). *Trachypodaceae: A critical revision*. IJdo.

**Copyright**

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

**Take-down policy**

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

*Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.*

## SUMMARY

### 1. *Trachypus*.

1. *T. bicolor* Reinw. et Hornsch. is divided into 4 varieties:
  - a. var. *bicolor*,
  - b. var. *hispidus* (C. Muell.) Card.,
  - c. var. *viridulus* (Mitt.) Zant. comb. nov.,
  - d. var. *scindifolius* (Sak.) Nog.
2. *T. humilis* Lindb. is divided into 2 varieties:
  - a. var. *humilis*,
  - b. var. *tenerrimus* (Herz.) Zant. comb. nov.
3. *T. baviensis* Besch. has been transferred to the genus *Chrysocladium*.
4. *T. pendulus* Dix. has been transferred to the genus *Papillaria* as *P. semitorta* (C. Muell.) Jaeg.
5. The following species and varieties have been transferred to *T. bicolor* Reinw. et Hornsch. var. *bicolor*:
  - T. nietneri* (C. Muell.) Par. syn. nov.
  - T. bicolor* Reinw. et Hornsch. var. *sinensis* (C. Muell.) Broth.
  - T. appressus* Fleisch. syn. nov.
  - T. cuspidatus* Fleisch. syn. nov.
  - T. bicolor* Reinw. et Hornsch. var. *pilifer* Fleisch. syn. nov.
  - T. bicolor* Reinw. et Hornsch. var. *tenellus* Fleisch. syn. nov.
  - T. bicolor* Reinw. et Hornsch. var. *simplicicaulis* Dix. syn. nov.
  - T. bicolor* Reinw. et Hornsch. var. *floribundarioides* Nog. syn. nov.
6. The following species and varieties have been transferred to *T. bicolor* Reinw. et Hornsch. var. *hispidus* (C. Muell.) Card.:
  - T. bicolor* Reinw. et Hornsch. var. *rigidus* (Broth. et Par.) Card.
  - T. paulensis* (Broth.) Broth. syn. nov.
  - T. molliculus* Broth. et Par. syn. nov.
  - T. rhacomitrioides* Broth. syn. nov.
  - T. bicolor* Reinw. et Hornsch. var. *brevifolius* Broth. syn. nov.
7. The following species, varieties and forms have been transferred to *T. bicolor* Reinw. et Hornsch. var. *viridulus* (Mitt.) Zant.:
  - T. molleri* (C. Muell.) Broth. syn. nov.
  - T. laetus* (Ren. et Card.) Broth. syn. nov.
  - T. subbicolor* Card. syn. nov.
  - T. cuspidatus* Fleisch. var. *brevifolia* Fleisch. syn. nov.
  - T. bicolor* Reinw. et Hornsch. var. *hispidus* (C. Muell.) Card. f. *flagelliformis* Fleisch. syn. nov.
  - T. subbicolor* Card. f. *robusta* Broth. syn. nov.

8. The following species, varieties and forms have been transferred to *T. humilis* Lindb. var. *humilis*:

- T. massarti* Ren. et Card. syn. nov.
- T. novae-caledoniae* Thér. syn. nov.
- T. dimorphus* Dix. et P. Vard. syn. nov.
- T. massarti* Ren. et Card. var. *brachyphyllus* Fleisch. syn. nov.
- T. humilis* Lindb. var. *brevifolius* Card. syn. nov.
- T. humilis* Lindb. var. *major* Broth. syn. nov.
- T. humilis* Lindb. f. *secundus* Nog. syn. nov.

9. The following species and varieties have been transferred to *T. humilis* Lindb. var. *tenerrimus* (Herz.) Zant.:

- T. mauiensis* Broth. syn. nov.
- T. tenerrimus* Herz. var. *flagelliferus* Herz. syn. nov.
- T. humilis* Lindb. var. *gracilis* Nog. syn. nov.

## 2. *Trachypodopsis*.

1. *T. serrulata* (P. Beauv.) Fleisch. is divided into 3 varieties:

- a. var. *serrulata*,
- b. var. *crispatula* (Hook.) Zant. comb. nov.,
- c. var. *guilbertii* (P. Vard.) Zant. comb. nov.

2. The following species have been transferred to *T. serrulata* (P. Beauv.) Fleisch. var. *serrulata*:

- T. nodicaulis* (C. Muell.) Fleisch.
- T. rutenbergii* (C. Muell.) Fleisch.

3. The following species and subspecies have been transferred to *T. serrulata* (P. Beauv.) Fleisch. var. *crispatula* (Hook.) Zant.:

- T. himantophylla* (Ren. et Card.) Fleisch.
- T. crispatula* (Hook.) Fleisch. ssp. *macrodon* (Fleisch.) Reim. syn. nov.
- T. otiophylla* (Card.) Card. syn. nov.
- T. densifolia* Broth. syn. nov.
- T. plicata* Dix. syn. nov.
- T. angustiretis* Dix. syn. nov.
- T. subulata* Chen syn. nov.
- T. crispatula* (Hook.) Fleisch. ssp. *longifolia* Reim. syn. nov.

4. *T. ornans* (Reich.) Fleisch. has been transferred to *T. auriculata* (Mitt.) Fleisch.

5. *T. declinata* (Mitt.) Fleisch. has been transferred to the genus *Duthiella* as *D. declinata* (Mitt.) Zant.

6. *T. tereticaulis* Froehl. has been transferred to the genus *Diaphanodon* as *D. blandus* (Harv.) Ren. et Card. var. *blandus*.

## 3. *Diaphanodon*.

1. *D. blandus* (Harv.) Ren. et Card. is divided into 3 varieties:

- a. var. *blandus*,
- b. var. *recurvedentatus* Zant. var. nov.
- c. var. *ceylonensis* Zant. var. nov.

2. The following species have been transferred to *D. blandus* (Harv.) Ren. et Card. var. *blandus*:

*D. thuidioides* Ren. et Card. syn. nov.

*D. brotheri* Ren. et Card.

*D. javanicus* Ren. et Card. syn. nov.

*Trachypodopsis tereticaulis* Froehl. syn. nov.

3. *D. ? gracillimus* Card. et Thér. has been transferred to the family of the *Thuidiaceae*.

4. *D. blandus* (Harv.) Ren. et Card. has become the type specimen of the genus instead of *D. thuidioides* Ren. et Card.

### 5. *Duthiella*.

1. *D. flaccida* (Card.) Broth. is divided into 3 varieties:

a. var. *flaccida*,

b. var. *rigida* (Broth.) Zant. comb. nov.,

c. var. *media* (Nog.) Zant. comb. nov.

2. *Trachypodopsis declinata* (Mitt.) Fleisch. has been incorporated within the genus *Duthiella* as *D. declinata* (Mitt.) Zant. comb. nov., to which species have been transferred the 2 following species:

*D. complanata* Broth. syn. nov.

*D. mussooriensis* Reim. syn. nov.

3. The following species and varieties have been transferred to *D. flaccida* (Card.) Broth. var. *flaccida*:

*D. japonica* Card.

*D. japonica* Card. var. *pallida* Sak.

*D. pellucens* Thér. syn. nov.

*D. perpapillata* Broth. syn. nov.

*D. lacustris* Reim. et Sak.

*D. emodi* Reim. syn. nov.

*D. brassii* Bartr. syn. nov.

*D. flaccida* (Card.) Broth. var. *gigantea* Nog. syn. nov.

4. *D. rivicola* Sak. has been transferred to *D. flaccida* (Card.) Broth. var. *rigida* (Broth.) Zant.

5. *D. guilbertii* Thér. et P. Vard. has been transferred to the genus *Trachypodopsis* as *T. serrulata* (P. Beauv.) Fleisch. var. *guilbertii* (Thér. et P. Vard.) Zant.