

A monograph of the genus *Passerina* L. (Thymelaeaceae)

by

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Submitted in partial fulfilment of the requirements for the degree

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(Department of Botany)

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PRETORIA

Promoter: Prof. Dr. A.E. van Wyk

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Passerina burchellii



Passerina quadrifaria



Passerina falcifolia



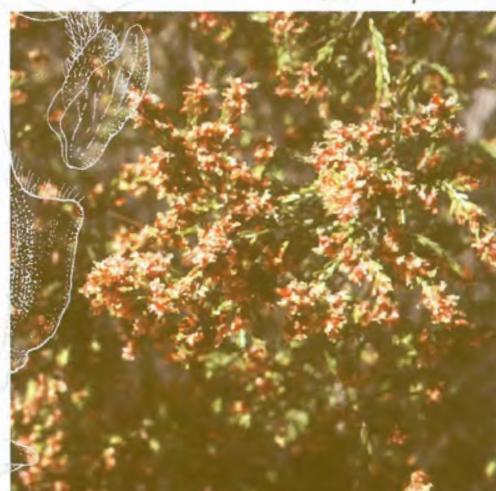
Passerina rigida



Passerina paleacea



Passerina drakensbergensis



Passerina corymbosa



Passerina truncata subsp. *truncata*



Passerina rigida

ABSTRACT

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A monograph of *Passerina* L., a mainly southern African genus, is presented. The genus comprises 20 species and four subspecies. A few species occur along the Great Escarpment, two with outliers in East Africa, but most are concentrated in the Cape Floristic Region. Palynological, macromorphological and anatomical evidence was used in the delimitation of the genus and its infrageneric taxa. A cladistic study supports *Passerina* as a monophyletic genus. Taxonomic and phylogenetic significance of the character set and the most important generic characters were evaluated. A genus treatment and key to species are given. Each species treatment includes a taxonomic description, diagnosis and notes on etymology, economic value and distribution. Illustrations of representative species are provided and distribution maps are included for each species. A list of excluded species names highlights the previous cosmopolitan taxonomic interpretation of *Passerina*, as many names are now in synonymy under other genera of the Thymelaeaceae.

KEYWORDS: anatomy — cladistics — flower — morphology — monograph — palynology — *Passerina* — phylogeny — phytogeography — southern Africa — taxonomy — Thymelaeaceae.

TABLE OF CONTENTS

1. INTRODUCTION.....	1
1.1 Thymelaeaceae	1
1.2 <i>Passerina</i>	3
1.3 Problem statement.....	4
1.4 Objectives.....	5
1.5 Hypotheses	6
1.6 Layout of this thesis.....	7
 2. HISTORICAL REVIEW.....	8
2.1 Thymelaeaceae	8
2.1.1 Interfamilial classification	8
2.1.2 Infrafamilial classification	8
2.2 <i>Passerina</i>	9
2.2.1 Intergeneric classification	9
2.2.2 Infrageneric classification.....	9
 3. MATERIALS AND METHODS	11
3.1 LM.....	11
3.2 SEM.....	12
3.3 TEM.....	12
3.4 Phylogeny	12
3.5 Terminology and author citations.....	12
3.6 Taxonomic concepts.....	12
3.7 Conservation status.....	13
 4. TAXONOMIC SIGNIFICANCE OF CHARACTERS	14
4.1 Palynology	15
4.2 Mucilaginous epidermal cell walls	28
4.3 Epidermis.....	45
4.4 Leaf anatomy	65
4.5 Inflorescences and flowers	85

5. PHYTOGEOGRAPHY	111
5.1 Introduction	111
5.2 Observations	118
5.2.1 Species endemic to the CFR	122
Local centres of endemism within the CFR.....	122
5.2.2 Species near-endemic to the CFR.....	124
5.2.3 Species endemic to the Northern, Western and Eastern Cape Provinces and KwaZulu-Natal	125
5.2.4 Species endemic or near-endemic to the Great Escarpment of southern Africa.....	126
5.3 Conclusions	128
6. PHYLOGENY	130
6.1 Introduction	130
6.2 Choice of outgroup.....	130
6.3 Choice of characters and data matrices	131
6.4 Analysis of the data matrix.....	136
6.4.1 Analysis A.....	136
6.4.2 Analysis B.....	139
6.4.3 Analysis C.....	139
6.4.4 Analysis D.....	144
6.5 Results	147
6.5.1 Analysis A.....	147
6.5.2 Analysis B.....	149
6.5.3 Analysis C.....	150
6.5.4 Analysis D.....	151
6.6 Discussion	152
6.6.1 Historical background.....	152
6.6.2 Cladogram analyses	153
Monophyletic origin of <i>Passerina</i>	153
Hypothetical ancestor.....	153
The dichotomous <i>Passerina corymbosa</i> / <i>P. paleacea</i> clade.....	154
The <i>Passerina corymbosa</i> / <i>P. rubra</i> clade.....	155
The polychotomous <i>Passerina quadrisaria</i> / <i>P. paleacea</i> clade	156

6.7 Conclusion.....	161
7. TAXONOMIC TREATMENT	169
7.1 Circumscription of the genus.....	170
7.2 Key to the species.....	175
7.3 Species treatment.....	178
7.4 Doubtful name.....	308
7.5 Excluded names.....	309
7.6 INDEX TO SCIENTIFIC NAMES IN THE TAXONOMIC TREATMENT	328
8. GENERAL DISCUSSION.....	331
9. CONCLUSIONS.....	339
REFERENCES.....	341
ACKNOWLEDGEMENTS	353
SUMMARY.....	355
OPSOMMING	357
CURRICULUM VITAE	359