



# A bibliography of fynbos ecology

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## PREFACE

The southern and south-western Cape is occupied by an exceptionally rich flora occurring as sclerophyllous shrublands and heathlands known locally as fynbos. The various fynbos ecosystems, their plants and animals, are of considerable scientific and aesthetic interest, while the mountain catchment areas of the Fynbos Biome are of particular economic importance both as a water resource and as recreational areas.

Much research has been conducted in the biome in the past and in order to coordinate current activities, to stimulate new research and to synthesize available scientific information within the region, the Fynbos Biome Project was initiated in 1977.

The project is one of several national scientific programmes within the National Programme for Environmental Sciences administered by the CSIR. The National Programme is a cooperative undertaking of scientists and scientific institutions in South Africa concerned with research related to environmental problems. It includes research designed to meet local needs as well as projects being undertaken in South Africa as contributions to the international programme of SCOPE (Scientific Committee on Problems of the Environment), the body set up in 1970 by ICSU (International Council of Scientific Unions) to act as a focus of non-governmental international scientific effort in the environmental field. The research of participating universities is financed from a central fund administered by the National Committee for Environmental Sciences and contributed largely by the Department of Water Affairs, Forestry and Environmental Conservation.

The first phase (1977 to 1980) of the Fynbos Biome Project has been centred on baseline studies, including the review and synthesis of current knowledge and on broad surveys of climate, soils, vegetation, fauna and land use patterns. This document forms part of the review and synthesis operation and represents an attempt to bring together under one cover a comprehensive list of fynbos references, pertaining to work carried out or initiated prior to the start of the Fynbos Biome Project.

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**ABSTRACT**

References to 814 publications are presented, together with keyword listings and a keyword index. This bibliography forms part of the Phase I review and synthesis activity of the Fynbos Biome Project.

**SAMEVATTING**

Die bibliografie bevat verwysings na 814 publikasies, tesame met sleutel-woordlyste en 'n sleutelwoordindeks. Dit vorm deel van die Fase I hersiening- en sintese-prosesse van die Fynbosbioomprojek.

## INTRODUCTION

The first phase (1977 to 1980) of the Fynbos Biome Project has included the review and synthesis of current knowledge on the ecology of the biome. This document represents an attempt to bring together under one cover a comprehensive list of references to work commenced or completed prior to the initiation of the Fynbos Biome Project. The bibliography includes research, review and discussion papers dealing with aspects of fynbos ecology in its broadest sense.

Published research results are scattered through a range of local and overseas journals, while a considerable volume of unpublished information remains in inaccessible departmental files. The present bibliography attempts to bring together all papers published in the open literature, in theses and in formal departmental bulletins. Brief reports in periodicals, newspapers and pamphlets have usually been omitted, as have university honours and undergraduate project reports.

The Fynbos Biome extends roughly from 31° to 35°S and from 18° to 27°E. Reference to work carried out within this broad geographic region has been included in the bibliography, as have references to "fynbos" communities in other geographic areas within southern Africa.

References are listed alphabetically by author name. Keywords have been provided for all references.

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