

# A SUPPLEMENTARY CHECK-LIST OF PLANTS RECORDED IN THE KRUGER NATIONAL PARK

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A check-list of plants collected in the Kruger National Park by himself and various other collectors, was compiled by Van der Schijff and is to be published as a Botanical Memoir shortly. Since the compilation of this check-list, a number of species were collected which were not previously recorded and thus not incorporated in Van der Schijff's list.

A supplementary check-list of these species is presented below.

The identification of the *Algae* was done by Miss M. I. Claassen of the Pretoria University. All the other species were identified by the staff of the National Herbarium, Pretoria.

## T H A L L O P H Y T A

### FUNGI

*Ganoderma lucidum* (Leyss ex Fr.) Karst.

Collected at Skukuza, growing on the trunk of *Acacia nigrescens*.

*Lentinus* sp.

Commonly found on pieces of dry wood. Punda Milia. Brynard 4287.

*Irpex* sp.

Grey to yellow fungus which grows on dead mopane trunks. Shingomene. Brynard 4288 and 4289.

### LICHENS

*Dermatiscum* ? *viride* Zahlbr.

Common on sandstone rocks in the Pafuri area. Brynard 4291.

*Caloplaca cinnabarina* (Ach.) Zahlbr.

Prefers almost the same habitat as *Dermatiscum* ? *viride*. Pafuri. Brynard 4292(a).

*Candelariella fibrosa* Müll. Arg.

Grows on the bark of *Mundulea sericea*. Pafuri.

*Buellia* ? *stellata* Mudd.

Pafuri. Brynard 4292b.

*Parmelia* sp.

Commonly found on dead branches. Pafuri. Brynard 4286(a).

*Usnea* sp.

Grows on dead branches. Pafuri. Brynard 4286(b).

*Blastenia* sp.

Grows on the bark of *Acacia tortilis*. Pafuri.

*Physcia* sp.

Commonly found on the bark of *Holarrhena febrifuga*. Punda Milia.

#### ALGAE

All the species of *Algae* listed below were collected at Mafayeni, a highly mineralised hot spring, (temperature at the origin 39.5°C) situated about 20 miles N.W. of Shingwedzi.

#### OSCILLATORIACEAE

*Oscillatoria sancta* Kütz.

*Oscillatoria tenuis* Ag.

*Oscillatoria* sp. cf. *O. pseudogeminata* G. Schmid.

*Oscillatoria* spec. nova.

#### OEDOGONIACEAE

*Oedogonium* sp.

#### NOSTOCACEAE

*Anabaena* spec. nova.

#### DESMIDIACEAE

*Cosmarium praemorsum* Bréb. var. nova.

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### S P E R M A T O P H Y T A

#### ANGIOSPERMAE

#### A. MONOCOTYLEDONEAE.

#### NAJADACEAE.

*Najas marina* L.

Procumbent hydrophyte. Collected in Tende river but also recorded from Shingwedzi river. Brynard & Pienaar 4312.

#### GRAMINEAE.

*Alloteropsis cimicima* Stapf.

A perennial grass of medium size. Rare in the Kruger National Park. Prefers sandy soils. Pumbe. Brynard & Pienaar 4250.

*Urochloa stolonifera* (Goossens) Chippindall.

Locally common in shallow pans on the eastern boundary of the Kruger National Park. Pumbe. Brynard & Pienaar 4420.

*Digitaria smutsii* Stent.

Collected at Pumbe. Brynard & Pienaar 4424.

*Digitaria* sp. cf. *D. didactyla* Willd.

Slender grass. Grows in shallow pans. Pumbe. Brynard & Pienaar 4424.

*Pennisetum purpureum* Schum.

A large, coarse, perennial grass known as Napier fodder or Elephant grass to agriculturalists. Indigenous in tropical Africa, but it is planted for ensilage in South Africa. It is possible that it entered the Park from the neighbouring farms on the Sabie River. Collected at Sabiehoek. Brynard & Pienaar 4249.

*Sporobolus virginicus* (L) Kunth.

Stoloniferous grass. Collected on black turf round the outside of a permanent spring. Mafayeni. Brynard & Pienaar 4493.

*Lintonia nutans* Stapf.

A grey-green, perennial, stoloniferous grass. Grows in hollows which become temporarily submerged during the raining season. Shawu and Satara. Brynard & Pienaar 4244.

#### CYPERACEAE.

*Bulbostylis trifida* (Nees) Nelmes.

Small inconspicuous plant. Grows on wet soils amongst rocks. Red Rocks, Shingwedzi. Brynard & Pienaar 4408.

#### LILIACEAE.

*Scilla palustris* Wood & Evans.

Small bulbous plant with purple flowers commonly found on stony rhyolitic soils. Munweni. Brynard & Pienaar 4320.

*Resnova minor* F. v.d. Merwe.

Small bulbous plant. Collected on stony rhyolitic soils. Munweni. Brynard & Pienaar 4320.

#### AMARYLLIDACEAE.

*Haemanthus multiflorus* Mart.

Bulbous plant. Rare. Shangoni Section. Brynard & Pienaar 4313.

#### DIOSCOREACEAE.

*Dioscorea sylvatica* Eckl.

Slender creeper. Munweni. Brynard & Pienaar 4353.

IRIDACEAE.

*Gladiolus gracilicaulis* Lew.

Erect, bulbous plant with light-blue flowers. Locally common on stony rhyolitic soils. Munweni. Brynard & Pienaar 4356.

B. DICOTYLEDONEAE.

PORTULACACEAE.

*Portulaca collina* Dtr.

Small succulent. Locally common on rocky outcrops in the Pafuri area. Pafuri. Brynard & Pienaar 4302.

BASELLACEAE.

*Basella* ? *paniculata* Volkens.

Interesting creeping plant. Extremely rare in South Africa but known from Kenia and Tanganyika. Collected for the first time in the Union of South Africa at Shingedzene, Tshokwane Section. Brynard & Pienaar 4372.

RANUNCULACEAE.

*Ranunculus multifidus* Forsk.

Erect herb with yellow flowers. Grows in wet places. Collected along Luvuvhu river. Brynard & Pienaar 4382.

ANNONACEAE.

*Uvaria caffra* E. Mey et Sond.

Small shrub. Rare in the Kruger National Park. Grows on stony rhyolitic soils. Shingedzene. Brynard & Pienaar 4317.

CAPPARIDACEAE.

*Cleome macrophylla* (Klotzsch) Brig. var. *maculatiflora* (Merxm.) Wild.

Erect herbaceous plant. Punda Milia. Brynard & Pienaar 4373.

*Maerua caffra* (D.C.) Pax.

Small shrub. Commonly found on sandy soils. Nwambia. Brynard & Pienaar 4297.

LEGUMINOSAE.

*Acacia schweinfurthii* Brenan et Exell. var. *schweinfurthii*.

A straggly, woody climber. Nunweni. Brynard & Pienaar 4327.

*Neptunia natans* (L.f.) Druce.

A small procumbent plant which usually grows in dried-up pans. The leaves are extremely sensitive and contract immediately on being touched.

Collected in the Nwambiane Pan in the Nwambia area but also recorded from Machai Pan. Brynard & Pienaar 4248.

*Neorautanenia* sp. cf. *N. edulis* C. A. Smith.

Shrub of about 4 feet high. Grows on basalt soils in Mopane communities. Nwashitsumbe firebreak. Brynard & Pienaar 4383.

#### CELASTRACEAE.

*Maytenus putterlickioides* (Loes) Exell and Mendonca.

( = *Gymnosporia putterlickioides* Loes).

A thorny shrub reaching a height of 6 feet. Extremely rare in the Kruger National Park. Collected at Pafuri which was the first record for South Africa. Brynard & Pienaar 4263.

#### HIPOCRATEACEAE.

*Salacia kraussii* (Harv.) Harv.

A small shrub, the fruit resembling peaches and are eaten by natives. In the Kruger National Park its distribution is confined to sandy soils. Pumbe. Brynard & Pienaar 4261.

#### SAPINDACEAE.

*Atalaya alata* (Sim.) H. Forbes.

Grows into a tree of about 20 feet. Extremely rare in the Kruger National Park and so far only recorded from the Bangu area, Satara Section. Brynard & Pienaar 4369.

*Stadmannia* sp. = Chase 4733 from Umtali.

Tree of about 20 feet high. Collected for the first time in South Africa at Mashikiri poort, Punda Milia Section but also recorded from the Bangu area. Brynard & Pienaar 4253.

#### MALVACEAE.

*Pavonia leptocalyx* (Sond.) Ulbr.

Erect shrub of 1-2 feet high. Punda Milia. Brynard & Pienaar 4395.

#### STERCULIACEAE.

*Melhania didyma* E. & Z.

Erect shrub of about 1 foot high. Brynard & Pienaar 4467.

#### ELATINACEAE.

*Bergia* sp.

A small prostrate plant collected on the outskirts of Machai Pan. Brynard & Pienaar 4264.

#### FLACOURTIACEAE.

*Xylotheca kraussiana* Hochst. var. *kraussiana*.

A small shrub of up to 3 feet with white flowers. Rare in the Kruger National Park and its distribution is strictly confined to sandy soils. Nwambia. Brynard & Pienaar 4254.

#### MYRTACEAE.

*Eugenia zeyheri* Harv.

A small shrub reaching 2 feet in height. Collected in the Pumbe Sandveld. Brynard & Pienaar 4268.

#### UMBELLIFERAE.

*Heteromorpha trifoliata* (Wedndl.) Eckl. & Zeyh.

Shrub of 4-6 feet high. Grows on doleritic outcrops. Kingfisherspruit Section. Brynard & Pienaar 4316.

#### APOCYNACEAE.

*Aconanthera schimperi* (A.D.C.) Schweinf. var. *rotundata* L. E. Codd.

A tree of about 12-15 feet high. Grows on sandstone outcrops. Shantangalane, Punda Milia Section. Brynard & Pienaar 4497.

#### ASCLEPIADACEAE.

*Stultitia paradora* Verdoorn.

Small succulent. Rare in the Kruger National Park. Satara. Brynard & Kloppers 4428.

*Stapelia unicornis* Luckhoff.

Small succulent with mauve flowers. Bangu poort, Satara Section. Brynard & Kloppers 4478.

*Marsdenia* sp. cf. *M. dregea* (Harv.) Schltr.

Slender creeper. Rare in the Kruger National Park. Shingwedzi. Brynard & Fairall 4390.

#### CONVOLVULACEAE.

♀ *Convolvulus farinosus* L.

Procumbent or scandent plant. Grows in sand. Mlambene dam, Malelane Section. Brynard & Pienaar 4448.

*Convolvulus mauritianus* L.

Herb of up to 9 inches high. Grows on clay soils round the outside of Machai Pan. Brynard & Pienaar 4501.

#### BORAGINACEAE.

*Heliotropium indicum* L.

Erect herb of up to 2 feet high. Grows on deep alluvial soils on side of the

Luvuvhu river. Collected at the junction of the Luvuvhu and Limpopo River. Brynard 4410.

#### LABIATAE.

*Hemizygia* sp. nov. cf. *H. obermeyeri* Ashb.

Common on shallow granitic soils especially in overgrazed areas. Kingfisherspruit Section. Brynard & Pienaar 4348.

#### SCROPHULARIACEAE.

*Sutera* sp. aff. *S. pedunculosa* O. Ktze.

Small shrublet commonly found on wet sand. Mlambane Dam, Malelane Section. Brynard & Pienaar 4463.

#### ACANTHACEAE.

*Dyschoriste depressa* Nees.

Small shrub. Pafuri. Brynard & Pienaar 4301.

*Barleria holubii* C.B. Cl.

Thorny shrub of up to 1 foot high. Munweni. Brynard & Pienaar 4352.

*Blepharis acanthodioides* Klotzsch.

Small shrub. Grows on stony rhyolitic soils. Munweni. Brynard & Pienaar 4330.

*Justicia glabra* Koen ex. Roxb.

Herbaceous plant. Collected at the Shahulu spring, Punda Milia Section. Brynard & Pienaar 4492.

#### RUBIACEAE.

*Borreria scabra* (Schum. & Thon.) K. Schum.

Herbaceous plant. Grows in wet places. Matjulu River, Malelane Section. Brynard & Pienaar 4441.

*Paveita harbori* Sp. Moore.

Small shrub which grows on sandy soils. Shingwedzi. Brynard & Fairall 4502.

#### COMPOSITAE.

*Vernonia ampla* O. Hoffm.

A shrub reaching 6 feet in height. Found in wet places. Extremely rare in the Kruger National Park. Shipudza, Punda Milia Section. Brynard & Pienaar 4256.

*Gongrothamnus aurantiacus* O. Hoffm.

Rare shrub reaching about 4 feet in height. Tulamila, Pafuri. Brynard & Pienaar 4489.