

CURRICULUM VITAE--*PETER GOLDBLATT*

Education and Personal Data

Born, Johannesburg, South Africa, 8 October 1943.

B.Sc. and B.Sc. (Hons.)--University of the Witwatersrand, Johannesburg, South Africa, 1965--1966.

Ph.D.--University of Cape Town, South Africa, 1970.

United States Citizenship--1978.

Appointments

1990: Senior Curator, Missouri Botanical Garden, St. Louis, Missouri

1975: Appointed B. A. Krukoff Curator of African Botany, Missouri Botanical Garden, St. Louis

1972--74: Research Botanist, Missouri Botanical Garden, St. Louis

1968--71: Junior Lecturer in Botany, University of Cape Town, South Africa

1967: Junior Lecturer in Botany, University of the Witwatersrand, Johannesburg, South Africa

Courtesy Appointments

2000--2004: Adjunct Professor, Portland State University, Portland, OR

1988 (May-Aug.): Visiting Scientist, Museum National d'Histoire Naturelle, Paris, France

1986: Adjunct Professor, University of Missouri, St. Louis, MO

1980: Adjunct Professor, Washington University, St. Louis, MO

1979: Adjunct Professor, St. Louis University, St. Louis, MO

Societies

American Society of Plant Taxonomists; South African Association of Botanists

Association for the Taxonomic Study of Tropical African Flora (AETFAT) (General Secretary 1982--1985).

Editorial Experience

Editorial Committee, ANNALS OF THE MISSOURI BOTANICAL GARDEN, 1972--1998

Editor, INDEX TO PLANT CHROMOSOME NUMBERS, 1978--

Associate Editor, Systematics, SOUTH AFRICAN JOURNAL OF BOTANY, 2000--2003

Grants Administered

1972-73	U.S.D.A, Biosystematic Study of <i>Papaver</i> sect. <i>Oxytona</i>
1974	National Geographic Society Grant: Plant Collecting in Madagascar
1974-76	NSF Grant BMS 74-18905: Systematics of Iridaceae
1976-78	NSF Grant DEB 76-19907: Systematics of Iridaceae
1978-81	NSF Grant DEB 78-10655: Systematics of Iridaceae
1979	NSF Grant DEB 78-21759: Equipment grant: Zeiss Research Microscope
1979-83	NSF Grant DEB 78-23391: Index to Plant Chromosome Numbers
1982-84	NSF Grant DEB 81-19292: Systematic Studies in Iridaceae
1983-84	NSF Grant DEB 82-11787: A Descriptive Catalogue of the Cape Flora
1984-88	NSF Grant BSR 83-17152: Index to Plant Chromosome Numbers
1985-88	NSF Grant BSR 85-00148: Systematic Studies in <i>Nivenia</i> and <i>Lapeirousia</i>
1985	NSF Grant BSR 84-18003: Eleventh Congress of AETFAT
1985	NSF Grant BSR 84-18203: Herbarium Management Workshop for AETFAT
1988	NGS Grant 3749-88: <i>Lapeirousia</i> (Iridaceae) in Namibia
1989-93	NSF Grant BSR 88-01319: Index to Plant Chromosome Numbers
1989	NGS Grant 3971-88: <i>Gladiolus</i> and <i>Geissorhiza</i> in Madagascar

1989-92	NSF Grant BSR 89-06300: Systematics of <i>Gladiolus</i> in tropical Africa
1992	NGS Grant 4816-92: Pollination Biology of Namaqualand <i>Lapeirousia</i> .
1993	NGS Grant 5153-93: Systematics of <i>Gladiolus</i> in Eastern Southern Africa
1994-99	NSF Grant DEB 93-07063: Index to Plant Chromosome Numbers
1995-1996	NGS Grant 5408-95: Pollination Biology of <i>Gladiolus</i> (Iridaceae) in Southern Africa
1997-1999	NGS Grant 5994-97: Long-tongued Fly Pollination in Southern Africa
2000	NGS Grant 6704-00: Pollination biology and taxonomy of <i>Babiana</i> (Iridaceae)
2000-04	NSF Grant DEB 99-81249: Index to Plant Chromosome Numbers
2001	NGS Grant 7103-01: Pollination biology and taxonomy of <i>Babiana</i> (Iridaceae): Phase 2.
2002	NGS Grant 7316-02: Pollination biology and phylogeny of the African <i>Ferraria</i> (Iridaceae)
2005	NGS Grant 7799-05: Systematic studies in the South African genus <i>Ixia</i> (Iridaceae)

Field Experience

South Africa, 1968-1971: Iridaceae, mainly Cape Province but also Transvaal, Zimbabwe
Iran, Turkey, 1972 & 1973 (May-July): Specialist collecting of *Papaver* species.
Southern Africa, 1974 (May-Oct.): *Moraea*, *Galaxia*, other Iridaceae, general collecting.
Africa, 1976 (July-Dec.): *Homeria*, *Galaxia*, *Moraea* (Iridaceae): S. Africa, Zimbabwe, Malawi.
South Africa, 1978-81, annually to study the systematics of *Freesia*, *Homeria*, *Geissorhiza*, *Hesperantha*, and *Moraea*.
Mediterranean, 1979 (Mar.-Apr.): *Gynandriris* in Israel, Greece, and Sicily.
Kenya, 1981 (July): Iridaceae, especially *Hesperantha* and *Moraea*.
South Africa, Swaziland, 1982-1983 (Oct.-Jan.): Iridaceae, especially *Watsonia*.
Malawi, Zambia, South Africa, 1985-1986 (Nov.-Feb.): Iridaceae, especially *Watsonia*, *Nivenia*
South Africa, Tanzania, 1986 (Oct.-Nov.): Iridaceae
Namibia, 1988 (Mar.-Apr.): field studies of *Lapeirousia*, general collecting.
Zambia, Madagascar, 1989 (Mar.): Iridaceae, especially *Gladiolus*.
Malawi, Zimbabwe, 1991 (Mar.-Apr.): *Gladiolus*, *Lapeirousia*.
South Africa, 1992-2004, annually to study various genera and their pollination biology, including *Babiana*, *Crocasmia*, *Ferraria*, *Gladiolus*, *Hesperantha*, *Ixia*, *Lapeirousia*, and *Sparaxis*.

Current Research

Systematics, biology, and evolution of Iridaceae—with emphasis on African genera. Current studies include systematic revisions of *Babiana* (c. 88 spp.), *Aristea* (c. 55 spp.), *Ferraria* (c. 12 spp.), and *Ixia* (c. 65 spp.); pollination biology of *Babiana*, *Ferraria*, and *Geissorhiza* (c. 85 spp.).
Phylogeny of the Iridaceae, especially focussing on African genera of subfamily Crocoideae (syn. Ixioideae), and the New World tribe Tigridieae, using molecular and traditional characters.
Molecular phylogenetics of *Moraea* (195 spp); evolution and radiation of the genus, linking ecology and biology to phylogeny to develop hypotheses about speciation patterns especially in the Cape region of southern Africa.
Pollination biology of Pacific Northwest monocots, emphasizing genera of the Iridaceae.

PUBLICATIONS - Peter Goldblatt

The genus *Sparaxis*. J. S. African Bot. 35: 219–252. 1969.

The Iridaceae of Daniel de la Roche. J. S. African Bot. 36: 291–318. 1970 [with T. T. Barnard].

Romulea hantamensis (Diels) Goldblatt. Fl. Pl. Africa 4l: tab. 1613. 1970.

A new species of *Gladiolus* and some nomenclatural changes in the Iridaceae. J. S. African Bot. 37: 229–236. 1971.

Cytological and morphological studies in the southern African Iridaceae. J. S. African Bot. 37: 317–460. 1971.

Tulps. Veld & Flora 1: 68–70. 1971.

- A revision of the genera *Lapeirousia* Pourret and *Anomatheca* Ker in the winter rainfall region of South Africa. *Contr. Bolus Herb.* 4: 1–111. 1972.
- Syringodea unifolia* Goldblatt. *Fl. Pl. Africa* 42: tab. 1638. 1972.
- Moraea insolens* Goldblatt. *Fl. Pl. Africa* 42: tab. 1639. 1972.
- Tritonia crocata* (L.) Ker. *Fl. Pl. Africa* 42: tab. 1655. 1972.
- Tritonia squalida* (Ait.) Ker. *Fl. Pl. Africa* 42: tab. 1656. 1972.
- Chromosome cytology in relation to classification in *Nerine* and *Brunsvigia* (Amaryllidaceae). *J. S. African Bot.* 38: 261–275. 1972.
- Biosystematic and taxonomic studies in *Homeria* (Iridaceae). *J. S. African Bot.* 39: 133–140. 1973.
- Contributions to the knowledge of *Moraea* (Iridaceae) in the summer rainfall region of South Africa. *Ann. Missouri Bot. Gard.* 60: 204–259. 1973.
- Lapeirousia oreogena* Schltr. ex. Goldbl. *Fl. Pl. Africa* 42: tab. 1670. 1973.
- Biosystematic studies in *Papaver* section *Oxytona*. *Ann. Missouri Bot. Gard.* 61: 264–296. 1974.
- A contribution to the knowledge of cytology in Magnoliales. *J. Arnold Arb.* 55: 453–457. 1974.
- Montbretiopsis*: reduced to synonymy in *Tritonia* (Iridaceae). *Bothalia* 11: 281. 1974.
- Moraeas*. *Veld & Flora* 4: 63–65. 1974.
- Chromosome numbers in phanerogams 4. pp. 901–902. *Ann. Missouri Bot. Gard.* 61: 901–904. 1974.
- Identification of *Papaver bracteatum* and other species of *Papaver* sect. *Oxytona* from vegetative material. *Scientific Research on Papaver bracteatum* 19: 1–4. United Nations Secretariat, Geneva. 1975.
- A reappraisal of the application of specific epithets of the type species of *Moraea* and *Dietes* (Iridaceae). *Taxon* 24: 125–131. 1975 [with T. T. Barnard].
- Revision of the bulbous Iridaceae of North America. *Brittonia* 27: 373–385. 1975.
- Evolution, cytology and subgeneric classification in *Moraea* (Iridaceae). *Ann. Missouri Bot. Gard.* 63: 1–23. 1976.
- Iridaceae. In Dyer, R. A. (editor), *Genera of South African Plants*. Ed. 3, 2: 61–981. Government Printer, Pretoria. 1976.
- Cytotaxonomic studies in the tribe Quillajaeae (Rosaceae). *Ann. Missouri Bot. Gard.* 63: 200–206. 1976.
- Barnardiella*: A new genus of the Iridaceae and its relationship to *Gynandriris* and *Moraea*. *Ann. Missouri Bot. Gard.* 63: 309–313. 1976.
- The genus *Moraea* in the winter-rainfall region of southern Africa. *Ann. Missouri Bot. Gard.* 63: 657–786. 1976.
- Gyrostemonaceae: status and affinity. *Bot. Notiser* 129: 201–206. 1976 [with J. W. Nowicke, T. J. Mabry, and H. Dietmar Behnke].

Chromosome number in *Gomortega keule*. Ann. Missouri Bot. Gard. 63: 207–208. 1976.

Chromosome cytology, pollen structure, and relationship of *Retzia capensis*. Ann. Missouri Bot. Gard. 63: 321–325. 1976 [with R. Keating].

Chromosome cytology of *Hessea*, *Strumaria* and *Carpolyza* (Amaryllidaceae). Ann. Missouri Bot. Gard. 63: 314–320. 1976.

Chromosome number and its significance in *Batis maritima* (Bataceae). J. Arn. Arb. 57: 526–530. 1976.

New or noteworthy chromosome records in the Angiosperms. Ann. Missouri Bot. Gard. 63: 889–895. 1976.

The African herbarium of Adele Lewis Grant. Taxon 25: 375–376. 1976.

Cytology and evolution in Hamamelidaceae. J. Arn. Arb. 58: 67–71. 1977. [with P. K. Endress.]

Chromosome numbers in Legumes. Ann. Missouri Bot. Gard. 64: 121–128. 1977. [with G. Davidse.]

Chromosome number in *Pillansia* (Iridaceae). Ann. Missouri Bot. Gard. 64: 36–37. 1977.

Moraea loubseri Goldbl. sp. nov. Fl. Pl. Africa 44: tab. 1724. 1977.

Moraea barnardii L. Bolus. Fl. Pl. Africa 44: tab. 1725. 1977.

Moraea moggii N. E. Br. subsp. *albescens* Goldbl. Fl. Pl. Africa 44: tab. 1726. 1977.

Systematics of *Moraea* (Iridaceae) in tropical Africa. Ann. Missouri Bot. Gard. 64: 243–295. 1977.

Herbertia (Iridaceae) reinstated as a valid generic name. Ann. Missouri Bot. Gard. 64: 378–379. 1977.

Moraea loubseri—an exciting new species doomed to extinction. Veld & Flora 63(3): 15–16. 1977.

Moraea barkerae Goldbl. Fl. Pl. Africa 44: tab. 1747. 1977.

Moraea gracilentia Goldbl. Fl. Pl. Africa 44: tab. 1748. 1977.

A contribution to cytology in *Cornales*. Ann. Missouri Bot. Gard. 65: 650–655. 1978.

An analysis of the flora of southern Africa: its characteristics, relationships and origins. Ann. Missouri Bot. Gard. 65: 369–436. 1978.

The identity of *Papaver pollakii* Kerner. Ann. Missouri Bot. Gard. 65: 775. 1978.

Chromosome number in two cytologically unknown New World families, Tovariaceae and Vivianiaceae. Ann. Missouri Bot. Gard. 65: 776–777. 1978.

New species of Cape Iridaceae. J. S. African Bot. 45: 81–89. 1979.

Chromosome cytology and karyotype change in *Galaxia* (Iridaceae). Plant Syst. Evol. 133: 61–69. 1979.

The species of *Sparaxis* and their geography. Veld & Flora 65(1): 7–9. 1979.

Biology and systematics of *Galaxia* (Iridaceae). J. S. African Bot. 45: 385–423. 1979.

- Preliminary cytology of Australasian Iridaceae. *Ann. Missouri Bot. Gard.* 66: 851–855. 1979.
- Cytology of Bignoniaceae. *Bot. Notiser* 132: 475–482. 1979 [with A. H. Gentry].
- The *Homeria* species of Thunberg's herbarium. *Ann. Missouri Bot. Gard.* 66: 588–590. 1979.
- Foreword to reprinted edition of *Histoire particulière des plantes orchidées recueillies sur les trois îles australes d'Afrique*: Du Petit-Thouars, A. A. Earl Coleman, Stanfordville, New York. 1979.
- Further notes of Retziaceae: chemical contents and affinities. *Ann. Missouri Bot. Gard.* 66: 545–556. 1979 [with R. Dahlgren, B. J. Nielsen & J. Rourke].
- Roggeveldia*, a new genus of southern African Iridaceae—Irideae. *Ann. Missouri Bot. Gard.* 66: 839–844. 1979.
- Savannosiphon* gen. nov., a segregate of *Lapeirousia* (Iridaceae—Ixioidae). *Ann. Missouri Bot. Gard.* 66: 845–850. 1979 [with W. Marais].
- Miscellaneous chromosome counts in Angiosperms II, including new family and generic records. *Ann. Missouri Bot. Gard.* 66: 856–861. 1979.
- Chromosome number in two primitive dicots, *Xymalos monospora* (Monimiaceae) and *Piptocalyx moorei* (Trimeniaceae). *Ann. Missouri Bot. Gard.* 66: 898–899. 1979 [with B. G. Briggs].
- Uneven diploid numbers and complex heterozygosity in *Homeria* (Iridaceae). *Syst. Bot.* 5: 337–340. 1980.
- Proposal for the conservation of *Freesia* Klatt (Iridaceae). *Taxon* 29: 331–332. 1980.
- Polyploidy in angiosperms: monocotyledons. In W. H. Lewis (editor) *Polyploidy: Biological Relevance*: 219–239. Plenum Press, New York. 1980.
- Systematics of *Gynandriris* (Iridaceae), a Mediterranean-southern African disjunct. *Bot. Notiser* 133: 239–260. 1980.
- Redefinition of *Homeria* and *Moraea* (Iridaceae) in the light of biosystematic data, with *Rheome* gen. nov. *Bot. Notiser* 133: 85–95. 1980.
- Chromosome number in *Thaminophyllum* (Asteraceae-Anthemideae). *J. S. African Bot.* 46: 193–195. 1980.
- The African program at the Missouri Botanical Garden. *Taxon* 29: 690. 1980.
- Cytology and the phylogeny of Leguminosae. Pp. 427–463 in R. M. Polhill & P. H. Raven (eds.) *Advances in Legume Systematics*. Royal Botanic Gardens, Kew. 1981.
- Index to Plant Chromosome Numbers 1974–1978 (Editor). *Monogr. Syst. Bot. Missouri Bot. Gard.* 6: 1–553. 1981.
- Moraeas*—one lost, one saved. *Veld & Flora* 67(1): 19–21. 1981.
- Systematics, phylogeny and evolution of *Dietes* (Iridaceae). *Ann. Missouri Bot. Gard.* 68: 132–153. 1981.
- Systematics and biology of *Homeria* (Iridaceae). *Ann. Missouri Bot. Gard.* 68: 413–503. 1981.
- Notes on the cytology and distribution of *Anapalina*, *Tritoniopsis* and *Sparaxis*, Cape Iridaceae. *Ann. Missouri Bot. Gard.* 68: 562–564. 1981.
- Chromosome cytology of Bruniaceae. *Ann. Missouri Bot. Gard.* 68: 546–550. 1981.

Chromosome numbers in Legumes II. *Ann. Missouri Bot. Gard.* 68: 551–557. 1981.

A note on the rediscovery of *Argyrolobium involucratum* (Thunb.) Harv. and the generic borderline between *Argyrolobium* and *Melolobium* (Fabaceae–Crotalariaeae). *Ann. Missouri Bot. Gard.* 68: 558–561. 1981 [with R. Dahlgren].

Meta-carboxy-substituted aromatic amino acids and v-glutamyl peptides: chemical characters for classification in the Iridaceae. *Biochem. Syst. Ecol.* 9: 313–323. 1981 [with P. O. Larsen, F. T. Sorensen & E. Wiczorkowska].

Systematics of *Freesia* Klatt (Iridaceae). *J. S. African Bot.* 48: 39–91. 1982.

Notes on *Geissorhiza* (Iridaceae): the species in Madagascar. *Ann. Missouri Bot. Gard.* 69: 379–381. 1982.

Gynandriris pritzeliana (Diels) Goldbl. *Fl. Pl. Africa* 47: tab. 1851. 1982.

Chromosome cytology in relation to suprageneric systematics of Neotropical Iridaceae. *Syst. Bot.* 7: 186–198. 1982.

Corm morphology in *Hesperantha* (Iridaceae, Ixioidae) and a proposed infrageneric taxonomy. *Ann. Missouri Bot. Gard.* 69: 370–378. 1982.

Botanical exploration of Madagascar. *Nat. Geogr. Res. Rep.* 14: 273–276. 1982.

A synopsis of *Moraea* (Iridaceae) with new taxa, transfers and notes. *Ann. Missouri Bot. Gard.* 69: 351–369. 1982.

Anomatheca viridis (Ait.) Goldbl. *Fl. Pl. Africa* 47: tab. 1867. 1983.

Babiana lobata Lewis. *Fl. Pl. Africa* 47: tab. 1866. 1983.

The species of *Geissorhiza* (Iridaceae) of Thunberg's herbarium (Uppsala, Sweden). *Nordic. J. Bot.* 3: 437–442. 1983.

Confirmation of the chromosome number in Cephalotaceae and Roridulaceae. *Ann. Missouri Bot. Gard.* 70: 197–198. 1983 [with C.-I Peng].

Estimation of genome size (C-value) in Iridaceae by cytophotometry. *Ann. Missouri Bot. Gard.* 71: 176–180. 1984 [with V. Walbot & E. A. Zimmer].

Index to Plant Chromosome Numbers 1979–1981 (Editor). *Monogr. Syst. Bot. Missouri Bot. Gard.* 8. 1984.

A revision of *Hesperantha* (Iridaceae) in the winter rainfall area of southern Africa. *J. S. African Bot.* 50: 15–141. 1984.

Proposal to conserve 1176 *Amaryllis* and typification of *A. belladonna* (Amaryllidaceae). *Taxon* 33: 511–515. 1984.

A survey of seed surface morphology in *Hesperantha* (Iridaceae). *Ann. Missouri Bot. Gard.* 71: 181–190. 1984 [with W. L. Wagner].

Sessilistigma, a new monotypic genus of Iridaceae–Iridoideae from the southwestern Cape. *J. S. African Bot.* 50: 149–157. 1984.

Occurrence of crystals in Iridaceae and allied families and their phylogenetic significance. *Ann. Missouri Bot. Gard.* 71: 1013–1020. 1984. [with J. Henrich & P. Rudall.]

Plants of the Cape Flora: A Descriptive Catalogue. *J. S. African Bot. Suppl.* 13: 1–455. 1984 [with P. Bond].

New species and notes on the southern African genus *Ixia* (Iridaceae). *S. African J. Bot.* 51: 66–70. 1985 [with D.

Snijman].

New taxa and notes on southern African *Gladiolus* (Iridaceae). J. S. African Bot. 50: 449–459. 1984.

New species of *Galaxia* (Iridaceae) and notes on cytology and evolution in the genus. Ann. Missouri Bot. Gard. 71: 1082–1087. 1984.

Systematics of the southern African genus *Geissorhiza* (Iridaceae-Ixioideae). Ann. Missouri Bot. Gard. 72: 277–447. 1985.

Familial position of the Cape genus *Empleuridium*. Ann. Missouri Bot. Gard. 72: 167–183. 1985 [with H. Tobe, S. Carlquist & V. C. Patel].

Index to Plant Chromosome Numbers 1982–1983 (Editor). Monogr. Syst. Bot. Missouri Bot. Gard. 13. 1985.

Notes on the systematics of *Hesperantha* (Iridaceae) in tropical Africa. Ann. Missouri Bot. Gard. 73: 134–139. 1986.

Cytology and systematics of the *Moraea fugax* complex (Iridaceae). Ann. Missouri Bot. Gard. 73: 140–157. 1986.

Convergent evolution of the *Homeria* flower type in six new species of *Moraea* (Iridaceae) in southern Africa. Ann. Missouri Bot. Gard. 73: 102–116. 1986.

The *Moraeas* of Southern Africa. Ann. Kirstenbosch Bot. Gard. 14: 1–224. 1986.

Buxaceae and taxonomy of the boxwoods (*Buxus*). Boxwood Bull. 26: 25–27. 1986.

Correlations between phenolic patterns and tribal classification in Iridaceae. Phytochemistry 25: 2135–2154. 1986 [with C. A. Williams & J. B. Harborne].

Systematics and relationships of the bigeneric Pacific family Campynemataceae (Liliales). Bull. Mus. Nat. Hist. Nat., 4 sér., sect. B, Adansonia 8: 117–132. 1986.

Chromosome number in Sarcolaenaceae. Ann. Missouri Bot. Gard. 73: 828–829. 1986 [with L. J. Dorr].

Notes on the variation and taxonomy of *Watsonia borbonica* (*W. pyramidata*, *W. ardernei*) (Iridaceae) in the southwestern Cape, South Africa. Ann. Missouri Bot. Gard. 74: 570–572. 1987.

Notes on chromosome cytology of Rutaceae–Diosmeae. Ann. Missouri Bot. Gard. 74: 443–444. 1987 [with I. Williams].

Notes on *Cipura* (Iridaceae) in South and Central America, and a new species from Venezuela. Ann. Missouri Bot. Gard. 74: 333–340. 1987 [with J. E. Henrich].

Chromosome cytology of *Oldenburgia* (Asteraceae–Mutisieae). Ann. Missouri Bot. Gard. 74: 331–332. 1987.

Systematics of the southern African genus *Hexaglottis* (Iridaceae–Iridoideae). Ann. Missouri Bot. Gard. 74: 542–569. 1987.

Notes on the floral biology, cytology and embryology of *Campynemanthe* (Liliales: Campynemataceae). Ann. Missouri Bot. Gard. 74: 573–576. 1987 [with P. P. Lowry II & H. Tobe].

A review of the New World species of *Orthrosanthus* Sweet (Iridaceae). Ann. Missouri Bot. Gard. 74: 577–582. 1987 [with J. E. Henrich].

Mesoamerican *Sisyrrinchium* (Iridaceae): new species, records and notes on typification. Ann. Missouri Bot. Gard. 74:

903–910. 1987 [with J. E. Henrich].

The Mesoamerican *Neomarica* (Iridaceae), *N. variegata* Henrich & Goldblatt, comb. nov. Ann. Missouri Bot. Gard. 74: 911. 1987 [with J. E. Henrich].

Affinities of the Madagascan endemic *Geosiris*, Iridaceae or Geosiridaceae. Bull. Mus. Hist. Nat., 4 sér., sect. B, Adansonia 9: 239–248. 1987 [with P. Rudall, V. I. Cheadle, L. J. Dorr & C. A. Williams].

New species and notes on southern African *Hesperantha* (Iridaceae). S. African J. Bot. 53: 459–463. 1987.

Relationships between subfamilies, tribes and genera in Iridaceae inferred from chemical characters. Biochem. Syst. Ecol. 15: 575–579. 1987 [with P. O. Larsen, M. Sundahl, F. T. Sorensen & E. Wiczorkowska].

Index to Plant Chromosome Numbers 1984–1985 (Editor). Monogr. Syst. Bot. Missouri Bot. Gard. 23. 1988.

Modern systematic studies in African botany. Monogr. Syst. Bot. Missouri Bot. Gard. 25. 1988 [with P. P. Lowry II, eds.].

Pollen morphology of *Pillansia* L. Bolus (Iridaceae). Ann. Missouri Bot. Gard. 75: 399–401. 1988 [with B. A. Stein].

Observations on the chromosome cytology of Velloziaceae. Ann. Missouri Bot. Gard. 75: 192–195. 1988 [with M. E. Poston].

New species of *Gladiolus* (Iridaceae) from the southern Cape and the status of *G. lewisiae*. S. African J. Bot. 55: 259–264. 1989 [with J. H. J. Vlok].

Chromosome number in *Walleria* (Tecophilaeaceae). Ann. Missouri Bot. Gard. 76: 925–926. 1989 [with J. C. Manning].

The genus *Watsonia*. A systematic monograph. Ann. Kirstenbosch Bot. Gard. 17: 1–148. 1989.

Geissorhiza callista sp. nov. (Iridaceae). Fl. Pl. Africa 50: t. 1996, 49–52. 1989.

Notes on the pollination mechanisms of *Moraea inclinata* and *M. brevistyla* (Iridaceae). Pl. Syst. Evol. 163: 201–209. 1989 [with P. Bernhardt & J. C. Manning].

Chromosome number in *Phenakospermum* and *Strelitzia* and the basic chromosome number in Strelitziaceae (Zingiberales). Ann. Missouri Bot. Gard. 76: 932–933. 1989 [with J. C. Manning].

Pollen morphology of the shrubby Iridaceae, *Nivenia*, *Klattia*, and *Witsenia*. Ann. Missouri Bot. Gard. 76: 1103–1108. 1989 [with J. C. Manning].

Seed morphology of *Sisyrinchium* (Iridaceae–Sisyrinchieae) and its allies. Ann. Missouri Bot. Gard. 76: 1109–1117. 1989 [with J. E. Henrich & R. C. Keating].

The reduction of *Oenostachys*, *Homoglossum* and *Anomalesia*, putative sunbird pollinated genera, in *Gladiolus* L. (Iridaceae: Ixioidae). Bull. Mus. Hist. Nat., 4 sér., sect. B, Adansonia 11: 417–428. 1989 [with M. P. de Vos].

Miscellaneous chromosome counts in Asteraceae, Bignoniaceae, Proteaceae, and Fabaceae. Ann. Missouri Bot. Gard. 76: 1186–1188. 1989.

The African program at the Missouri Botanical Garden. Newsl. Nat. Resources Management Support Proj. (NRMS) 698: 5–6. 1989.

- Systematics of *Gladiolus* L. (Iridaceae–Ixioidae) in Madagascar. Bull. Mus. Hist. Nat., 4 sér., sect. B, Adansonia 11: 235–255. 1989.
- Revision of the tropical African genus *Zygotritonia* (Iridaceae). Bull. Mus. Hist. Nat., 4 sér., sect. B, Adansonia 11: 199–212. 1989.
- Campynemataceae. In C. Tirel (editor), Flore de la Nouvelle-Calédonie et Dépendances 16: 125–134. 1990.
- Iridaceae. In C. Tirel (editor), Flore de la Nouvelle-Calédonie et Dépendances 16: 119–124. 1990.
- Pollination biology of *Nivenia* (Iridaceae) and the presence of heterostylous self-compatibility. Israel J. Bot. 39: 93–111. 1990 [with P. Bernhardt].
- Devia xeromorpha*, a new genus and species of Iridaceae–Ixioidae from the Cape Province, S. Africa. Ann. Missouri Bot. Gard. 77: 359–364. 1990 [with J. C. Manning].
- The genera of the *Sisyrinchium* alliance (Iridaceae–Iridoideae): phylogeny and relationships. Syst. Bot. 15: 497–510. 1990 [with P. Rudall & J.E. Henrich].
- Leaf and corm tunic structure *Lapeirousia* (Iridaceae–Ixioidae) in relation to phylogeny and infrageneric classification. Ann. Missouri Bot. Gard. 77: 365–374. 1990 [with J. C. Manning].
- Cytological variability in the African genus *Lapeirousia* (Iridaceae: Ixioidae). Ann. Missouri Bot. Gard. 77: 375–382. 1990.
- The Madagascan *Geissorhiza ambongensis* transferred to *Crocoshmia* (Iridaceae–Ixioidae). Bull. Mus. Hist. Nat., 4 sér., sect. B, Adansonia 12: 59–64. 1990 [with J. C. Manning].
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