

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
 2006: Research Associate, Compton Herbarium, South African National Biodiversity Institute, Cape Town, S. Africa

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).
 International Association of Plant Taxonomists

Editorial Experience

Editorial Committee, ANNALS OF THE MISSOURI BOTANICAL GARDEN, 1972–1998
 Editor, INDEX TO PLANT CHROMOSOME NUMBERS, 1978–2010
 Associate Editor, Systematics, SOUTH AFRICAN JOURNAL OF BOTANY, 2000–2003

Grants Administered

1972-73 U.S.D.A, Biosystematic Study of *Papaver* sect. *Oxytona*
 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 *Nivenia* and *Lapeirousia*
 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: *Lapeirousia* (Iridaceae) in Namibia
 1989-93 NSF Grant BSR 88-01319: Index to Plant Chromosome Numbers
 1989 NGS Grant 3971-88: *Gladiolus* and *Geissorhiza* in Madagascar
 1989-92 NSF Grant BSR 89-06300: Systematics of *Gladiolus* in tropical Africa

- 1992 NGS Grant 4816-92: Pollination Biology of Namaqualand *Lapeirousia*.
 1993 NGS Grant 5153-93: Systematics of *Gladiolus* 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 *Gladiolus* (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 *Babiana* (Iridaceae)
 2000-04 NSF Grant DEB 99-81249: Index to Plant Chromosome Numbers
 2001 NGS Grant 7103-01: Pollination biology and taxonomy of *Babiana* (Iridaceae): Phase 2.
 2002 NGS Grant 7316-02: Pollination biology and phylogeny of the African *Ferraria* (Iridaceae)
 2005 NGS Grant 7799-05: Systematic studies in the South African genus *Ixia* (Iridaceae)
 2007 NGS Grant: 8248-07: Systematic studies in the South African *Ixia* (Iridaceae). Phase 2

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 (Sept.): Iridaceae, especially *Freesia*.
 Mediterranean, 1979 (Mar.-Apr.): *Gynandriris* in Israel, Greece, and Sicily.
 South Africa, 1979-1980 (Nov.-Jan.): Iridaceae, especially *Hesperantha* and *Geissorhiza*: Cape region.
 South Africa, 1980 (Aug.-Oct.): Iridaceae, especially *Geissorhiza*, *Moraea*.
 Kenya, South Africa, 1981 (July-Sept.): Iridaceae, especially *Hesperantha*, *Moraea*, and *Hexaglottis*.
 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, especially *Gladiolus*.
 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 (Aug.-Sept.); 1993-1994 (Aug.-Oct.; Sept.-Dec.): pollination biology of *Lapeirousia*; 1995-1996 (Aug.-Mar.; Aug.-Oct.): systematics and pollination biology of *Gladiolus*.
 South Africa, 1997 (Jan.-Apr.; Aug.-Oct.); 1998 (Jan.-Apr.; Aug.-Oct.): pollination biology of *Gladiolus* and long-proboscid fly pollination.
 South Africa, Lesotho, 1999 (Feb.-Apr.; Aug.-Oct.): pollination biology and systematics of *Hesperantha*.
 South Africa, Namibia, 2000 (June, Aug.-Oct.; 2001 (Aug. Sept.): pollination biology and systematics of *Babiana*.
 Lesotho, South Africa, 2002 (Feb.-Mar.; Aug.-Sept.): pollination biology and systematics of *Crocasmia*, *Ferraria*.
 South Africa, 2003 (Sept.): pollination biology and systematics of *Ferraria* (Iridaceae); systematics of *Babiana*.
 South Africa, 2004 (Sept.-Oct.): Pollination biology of *Ferraria* (Iridaceae); systematics of *Aristea* and *Babiana*.
 South Africa, 2006, 2007, 2008 (Aug.-Sept.): Systematics of the *Ixia capillaris*, *I. latifolia* and *I. rapunculoides* complexes (Iridaceae).
 Namibia, 2009 (Feb.); Namibia, 2010 (Mar.): Systematics and biology of *Lapeirousia* (Iridaceae).
 South Africa, 2010 (Sept.-Oct.): Systematics of southern African *Silene* (Caryophyllaceae), systematics of the *Moraea tripetala* complex (Iridaceae).

Current Research

Systematics, biology, and evolution of Iridaceae—with emphasis on African genera. Current studies include systematic revisions of *Aristea* (c. 55 spp.), *Ixia* (c. 75 spp.), the *Lapeirousia* group of genera (c. 45 spp.) and *Micranthus* (c. 6 spp.) and *Thereianthus* (c. 10 spp.)

Phylogeny of African genera of subfamily Crocoideae (syn. Ixioidae), using molecular and traditional characters.

Molecular phylogenetics of *Moraea* (c. 200 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.

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 41: tab. 1613. 1970.
- A new species of *Gladiolus* and some nomenclatural changes in 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.
- Syringodea unifolia* Goldblatt. Fl. Pl. Africa 41: tab. 1638. 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.
- Proposal for the conservation of the generic name 1265a *Dietes* Salisb. (1812) against *Naron* Medikus (1790) (Iridaceae). Taxon 22: 504–505. 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.
- Revision of the bulbous Iridaceae of North America. Brittonia 27: 373–385. 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].
- 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 Quillajae (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.
- Proposal to change the name of the type species of the conserved name 1265 *Moraea* P. Miller. *Taxon* 25: 593–594. 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.

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

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

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

The identity of *Papaver pollakii* Kerner. Ann. Missouri Bot. Gard. 65: 775. 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—Ixioideae). 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].

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.

Uneven diploid numbers and complex heterozygosity in *Homeria* (Iridaceae). Syst. Bot. 5: 337–340. 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.
- Index to Plant Chromosome Numbers 1974–1978 (Editor). *Monogr. Syst. Bot. Missouri Bot. Gard.* 6: 1–553. 1981.
- 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.
- 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 *Argyrobium involucratum* (Thunb.) Harv. and the generic borderline between *Argyrobium* 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.
- Confirmation of the chromosome number in Cephalotaceae and Roridulaceae. *Ann. Missouri Bot. Gard.* 70: 197–198. 1983 [with C.-I Peng].
- The species of *Geissorhiza* (Iridaceae) of Thunberg's herbarium (Uppsala, Sweden). *Nordic. J. Bot.* 3: 437–442. 1983.
- Anomatheca viridis* (Ait.) Goldbl. *Fl. Pl. Africa* 47: tab. 1867. 1983.
- Babiana lobata* Lewis. *Fl. Pl. Africa* 47: tab. 1866. 1983.

- Geography of Iridaceae in Africa. *Bothalia* 14: 559–564. 1984
- 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.]
- 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.
- 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].
- 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.
- 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.
- Chromosome number in Sarcolaenaceae. *Ann. Missouri Bot. Gard.* 73: 828–829. 1986 [with L. J. Dorr].
- 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 *Sisyrinchium* (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].
- 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].
- New species and notes on southern African *Hesperantha* (Iridaceae). *S. African J. Bot.* 53: 459–463. 1987.
- 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, editors].
- 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: Ixioideae). *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.
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