



COLLEGE OF  
Arts and Sciences

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1 June 2021

It is with pleasure that I nominate Dr. Peter Linder as a Corresponding Member of the Botanical Society of America. Dr. Linder is exceptionally well-qualified for this honor, having published more than 300 journal articles and five books throughout his distinguished career of ~30 years. These publications have had a significant impact in several areas that include the phylogeny and systematics of several plant families in the Poales, evolutionary ecology, biogeography (primarily) of the Africa flora, and more.

Dr. Linder has mentored an impressive 55 graduate students while serving on the faculty at the University of Cape Town and University of Zurich. He has held administrative posts at the Royal Botanic Gardens at Kew, Bolus Herbarium (University of Cape Town), and the Institute of Systematic Botany and Botanic Garden of Zurich. He has served as editor, associate editor, and/or advisory board member for several prestigious journals including the *Journal of Biogeography*; *Diversity and Distributions*; *Perspectives in Plant Ecology, Evolution, and Systematics*; *South African Journal of Botany*; and *Systematic Biology*.

In sum, Dr. Linder has had an impressive career that has significantly impacted our understanding in many areas of botany and has influenced a number of mentees and collaborators. Attached are three exceptionally strong letters in support of this nomination from Drs. Nigel Barker, Lynn Clark, and Elizabeth Kellogg, in addition to his CV.

Sincerely,

Linda E. Watson, Professor  
BSA Corresponding Members Committee, Chair



Faculty of Natural  
and Agricultural Sciences  
Department of Plant and Soil Sciences

Prof. Linda Watson  
Past President Botanical Society of America  
Oklahoma State University

27 May 2021

Dear Linda

**RE: Support for the nomination of Prof. Peter Linder as a Corresponding Member of the BSA.**

It gives me immense pleasure to write this letter of support for the nomination of Peter Linder as a Corresponding Member of the Botanical Society of America. The impact and influence that Peter has had on African and South African Botany cannot be quantified. I thus commence this letter with a brief personal reflection of his impact on my life.

I cannot remember when exactly I actually first met Peter, but what I do recall is that his reputation preceded him. In the mid 1980's I was working at what was then the Botanical Research Institute in Pretoria (BRI; home of the South African National Herbarium), and he had recently completed a stint as the South African Botanical Liaison officer (SABLO) at Kew which was a prestige position at the BRI (but now sadly long abandoned).

In 1985 I had started my MSc on revising the taxonomy of two genera of Cape fynbos grasses, under the supervision of Robbie Robinson at Wits University, as well as Beth Gibbs Russell and Roger Ellis at BRI. Peter's reputation at BRI was already legendary, as I had gathered from conversations in the BRI tea room. Apart from having driven himself and his wife overland through Africa from London to Cape Town in an old Volkswagen camper van, Peter was reputed to be an excellent taxonomist, orchid specialist and most notably for that time, an ardent **cladist!!** I knew nothing of cladistics, and when I eventually met Peter for the first time on a collecting trip to the Western Cape (South Africa), he interrogated me all throughout the field trip as to why I was bothering with the old fashioned phenetics / numerical taxonomy methodology, and not embracing cladistics!

I had no answer to him, but something must have stuck with him because a while later he offered me a chance of doing a PhD with him on a subfamily of predominantly southern hemisphere grasses. I relocated to Cape Town, where he was then employed at UCT, and I became his student. Over the course of my PhD I obviously got to know Peter much better, and we spent a lot of time not only in the field, but also on the rather dirty water of the local lake where we honed our windsurfing skills. Peter also loved field work, and it was the time when I think he was happiest. His love of mountains was legendary, and many a poor student was dragged up innumerable peaks in the Western Cape to look for rare species of Restionaceae, orchid or other intriguing taxon. Accommodation and catering on these trips was elementary to say the least, and it was a harsh introduction to life under Peter's supervision for many a poor student. I personally did not mind these trips, and they set the seed in me for my love of mountains and

their biodiversity – an area of research I pursue to this day.

Peter exposed me to much more than just mountains, grasses, DNA sequencing and Cladistics / phylogenetics during my PhD. He also covered my travelling costs so I could attend no less than three international conferences in Europe and America (two of them being the AIBS meetings – Iowa and Knoxville). As a consequence, I met many of the great botanists of that time – Mark Chase, Kevin Nixon, Jerry Davis, Toby Kellogg, Lynn Clark, Chris Humphries and Paula Rudall to name but a few.

He also dragged me off to what I anticipated as being the dark 3<sup>rd</sup> world of Malawi for another conference – this time it was the AETFAT conference (Association for the Taxonomic Study of the Flora of Tropical Africa). Bearing in mind this was at the height of apartheid's last stand, being a white South African meant that I travelled with a certain amount of fear to this unknown African country. Naturally, Peter had already visited Malawi, and knew all sorts of places, how things worked, where to stay, eat and what to see. He was completely natural and in his element, and it is through this exposure that I realised that Africa was not the fearful place we had been shown in propaganda. Peter could talk to anybody in the street, and I learnt a lot about Malawi and its people simply by being with him. It was as a consequence of this experience that my love affair with Africa and African Botany truly began. As a consequence of Peter's openness, humanity and humility to all Africans, I learned of the real Africa, and its plants. What better teacher and example to have than him!

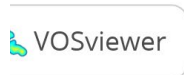
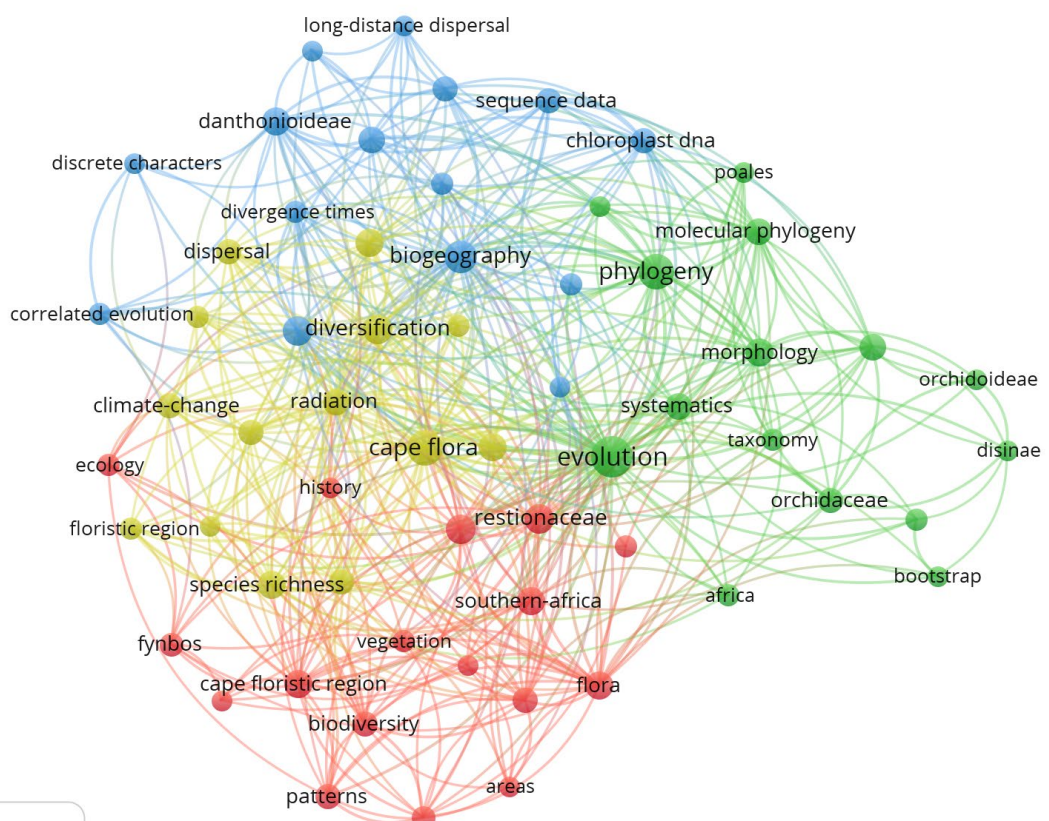
And I was not the only one to benefit from Peter's influence and tutelage. The notion of being able to send a postgrad student to an international conference at a time when South Africa was a pariah state was daring, seemed to be one of Peter's ways of throwing us into the deep end of "International Botany". The benefits we as his students gained from these trips is inestimable, and it was a model I followed with my graduate students whenever I had the funding to support these trips.

Perhaps because of this, it is perhaps not unsurprising that so many of his graduate students have gone on to become leaders in African and European Botany. His CV is littered with names of botanists who are or have become heads of academic departments and research leaders. Apart from myself, the likes of Prof.s Ben-Erik van Wyk (University of Johannesburg) and Tony Verboom (University of Cape Town) have been or are Heads of reputable academic departments. Others have become respected researchers in research institutions and universities in Africa and Europe.

And then there is his incredible publication record. With a massive focus on the botany of Africa and notably the Cape Flora, and his never ending interest in biogeography, patterns and processes, Peter has made a massive contribution to the unravelling of the evolutionary history and taxonomy of African plants – notably his first love (orchids and Restionaceae) but also the grasses and a number of other groups.

A while ago I tried to capture his influence and interests by exploring bibliometric networks. The graphical outputs of software such as VOS Viewer tell the story far better than I could in words. An analysis of key words (see below) gives a clear indication of the breadth of his interests

Even when he left South Africa for Switzerland, his interest in African botany continued, and he and his European postgraduates continued to undertake research trips to southern Africa.



In summary, Peter Linder has undoubtedly had the single biggest impact on African (and South African) botany in the last 50 years (maybe more). His perpetual energy and passion for plants is legendary, and it is most fitting that he be a Corresponding Member of the Botanical Society of America.

Yours sincerely,

Prof. Nigel Barker  
Head: Department of Plant and Soil Sciences  
University of Pretoria

Linda Watson  
BSA Past President

21 May 2021

Dear Linda:

It is my great pleasure to write a letter in support of the nomination of **Dr. Peter Linder** as a **Corresponding Member of the Botanical Society of America**. In addition to the requirement that Corresponding Members live and work outside of the U.S.A., they must be “distinguished senior scientists who have made outstanding contributions to plant science.” There is no question that Peter has established an extremely distinguished record of achievement in plant science, and this nomination is a very appropriate way to recognize Peter’s contributions.

I first became aware of Peter’s work in the grasses and Poales generally when I was finishing up my Ph.D. in the mid-1980s, and I have followed his publications for those families ever since. I was also thrilled to have him as a collaborator in the original Grass Phylogeny Working Group. Given that he was based in South Africa and now Switzerland, my chances to hear his talks and to discuss research with him have been primarily at international meetings, most recently the Monocots VI conference in Brazil in 2018. I was one of the organizers for the grass symposia at that conference, and Peter was high on our list of invitees. I have to say that I always thought of him as a Poales systematist, but reading his CV I was amazed to see the taxonomic breadth of his work and that of his students—literally from Aizoaceae and Anarthriaceae to Zygophyllaceae!

Speaking of Peter’s CV, he has been astoundingly productive: 318 peer-reviewed papers in a wide range of journals, five books and many invited and contributed talks. And he has mentored 29 M.S. and 26 Ph.D. students. By any metric this is an impressive record, but it is noteworthy that his interests have gone beyond taxon-based questions. Peter is truly a Renaissance botanist; his body of work encompasses systematics (including taxonomy and floristics); biogeography; community ecology; phylogenetics; comparative morphology/anatomy; functional traits; pollination biology (especially wind pollination); speciation; macroevolution; and biodiversity generation, maintenance and conservation. In approaching these research areas, Peter consistently has asked cross-cutting, synthetic questions and has been fearless in adopting new methods. He is a deep, incisive thinker, which is reflected in all aspects of his work.

Because I am most familiar with Peter’s work in the Poales, I would like to address his contributions to our understanding of this extremely diverse and ecologically important order of monocots in a bit more detail. Although Peter did his Ph.D. research on orchids and most of his early publications are on orchid systematics, his very first publication was an analysis of fynbos vegetation. Given the importance of graminids in this vegetation, it is perhaps not surprising that these plants would eventually capture Peter’s attention, and they did. But his first publication on Restionaceae wasn’t a checklist or key or basic floristic treatment, as you might expect for someone starting to work on a family—no, it was a phylogenetic classification of the genera of African Restionaceae. This required a tremendous amount of

morphological analysis in a complicated group, but it also highlights Peter's early adoption of cladistic methodology. More work on this family followed quickly, but Peter also jumped into the question of the relationship of the Restionales and the Poales, which were then treated as separate orders.

By 1987, Peter had published a sole-authored work on this clade, synthesizing all available data, including from modern and fossil pollen, embryology, anatomy, morphology and biogeography. His phylogenetic hypothesis served as the basis for much further work, and interestingly enough, was corroborated in most respects once molecular data became available. Peter increasingly focused on the graminid families, and along with some of his students (e.g., Nigel Barker, Tony Verboom, Michael Pirie), over the next three decades produced foundational work on the arundinoid, erhartoid and danthonioid grasses as well as some of the earliest molecular phylogenetic work on the grass family. As one example, the Linder et al. (2010) paper on the generic classification of the Danthonioideae remains the go-to reference for this grass subfamily. But *at the same time*, Peter was publishing work on the systematics of orchids and other families, the evolution of wind pollination, endemism, speciation and biogeography, among other similarly weighty topics, in some years with up to 15 peer-reviewed publications!

Peter's contributions to our understanding of grass evolution and the functional traits enabling the ecological success of the family are encapsulated in the Linder et al. (2018) paper describing the "Viking syndrome" as applied to grasses. As we have come to expect from Peter, this is an enormously synthetic work that sets up a multitude of avenues for future research. While I do not agree with every idea proposed in this paper, it made me think about what I thought I knew while simultaneously educating me, and it is now required reading for my graduate students.

Few other botanists have shown this level of productivity and impact. Peter's research certainly provided the inspiration for some of my own work, especially on the structure and evolution of grass pollen and wind pollination. I enthusiastically and without reservation support Peter's nomination as a Corresponding Member of the Botanical Society of America.

Sincerely yours,



Lynn G. Clark  
Director, Biological/Pre-Medical Illustration Program  
Director, Ada Hayden Herbarium  
Dept. of Ecology, Evolution, and Organismal Biology  
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Iowa State University  
Ames, IA 50011-4009  
Tel: 515-294-8218; E-mail: lgclark@iastate.edu



D O N A L D D A N F O R T H  
P L A N T S C I E N C E C E N T E R  
D I S C O V E R Y | C O M M U N I T Y | I M P A C T

975 North Warson Rd.  
St. Louis, MO 63132  
May 30, 2021

Dear Linda,

I am happy to support the nomination of Peter Linder as a corresponding member of BSA. Peter has been a highly productive and influential scientist throughout his career. He has made major contributions to taxonomy, evolutionary ecology, floristics and biogeography, with a particular focus on the plants of southern Africa. He is an accomplished field botanist and all of his work is grounded in deep familiarity with plants in their natural habitats. His research is nearly all anchored in the incomparable flora of South Africa, and he has used that focal point to develop a research program that is expansive and globally important.

Peter has published extensively, over 300 papers in refereed journals. His taxonomic work is prodigious and addresses some well-known taxonomic problem groups, among them the family Restionaceae, the grass subfamily Danthonioideae, and the orchid tribe Diseae. He is best known for his work on the South African Cape flora and for his studies of biogeography, but those areas encompass only part of his research. I first became aware of his work with the publication of his 1987 paper “the evolutionary history of the Poales/Restionales – a hypothesis”, published in *Kew Bulletin*. This paper was the beginning of his phylogenetic work on the Poales that extended over more than three decades.

Peter has pursued comparative study of morphology, histology, and anatomy in Poales, with papers on pollen, ovules, gametophyte development (a productive collaboration with Paula Rudall at the Royal Botanic Garden, Kew), and leaf anatomy (an equally productive collaboration with Roger Ellis in Pretoria). He has collaborated widely with colleagues in a broad range of disciplines. I was lucky enough to work with him on a couple of papers published in the *Monocot symposium* volume in 1995, in which we were able to synthesize the available phylogenetic data on both Poaceae and Poales.

Among Peter’s many productive and influential lines of research, I’m most familiar with his work on the grass subfamilies Arundinoideae and Danthonioideae and over the years have cited most of the papers multiple times. For many years Arundinoideae had been considered as a group of miscellaneous leftover genera that didn’t really fit anywhere – a class “trashcan” group. Beginning in 1990 with studies on fire survival strategies in fynbos grasses, a revision of the taxonomically complex genus *Pentaschistis*, and an anatomical study of *Pentaschistis* and *Prionanthium*, Peter and his colleagues steadily accumulated evidence showing that the

danthonioids formed a coherent monophyletic clade with unique morphological and ecological characteristics. He then followed this phylogenetic insight with taxonomic, ecological, and biogeographic papers that together provided the definitive guide to the biology of the group. Significantly, Peter investigated not only the South Africa taxa but also those in New Zealand and Australia. This work culminated in 2010 with a phylogenetically-based monograph of the entire subfamily, published in the *Annals of the Missouri Botanical Garden*. This will be the foundational reference on the group for decades to come.

In 2018, Peter led a review paper in *Biological Reviews* that outlines the traits that have contributed to the global ecological success of the grasses. Despite having been out for only a couple of years the paper has garnered 90 citations (Google Scholar) and is a comprehensive summary of current data on the evolutionary history of the grasses. Because of its broad scope and synthesis of morphological and ecological data this paper too is likely to become a classic, the sort of foundational work that provides a springboard for much subsequent research.

During his career, Peter has developed an international reputation for scientific excellence as shown by his numerous invitations to speak at meetings and symposia. He also has a strong record of service, having organized numerous meetings and serving as the founding president of the South African Society of Systematic Biology. He has been on editorial boards of several journals and was the Chief Editor of the *Journal of Biogeography*.

In summary, I strongly support the nomination of Peter Linder as a Corresponding Member of the Botanical Society of America, based on the breadth and depth of his scholarship and service to science. He eminently deserves this honor.

Sincerely,

A handwritten signature in black ink that reads "Toby Kellogg". The signature is written in a cursive style with a large, looped "T" and "K".

Elizabeth A. Kellogg  
Robert E. King Distinguished Investigator



# CURRICULUM VITAE, HANS PETER LINDER

## Personal

### Biographical

#### QUALIFICATIONS

B.Sc. (Hons.), Ph.D. (U.C.T.)

#### BIRTH

8 May 1954 in Piketberg, Western Cape Province, South Africa.

#### MARITAL STATUS

Married to Claire Elaine Smith.

Two sons: Thomas Alexander, born 29 March 1988, and Oliver Mark, born 28 November 1990.

#### LANGUAGES

Fluent in English, very good working knowledge of German and Afrikaans, poor knowledge of French.

#### CITIZENSHIP

Swiss and South African.

#### EDUCATION

Piketberg Hoër Skool (1960 - 1971).

Bachelor of Science, University of Cape Town, with majors in Botany and Zoology (1973 - 1975).

Bachelor of Science (Honours) in Botany, University of Cape Town (1976). Majors in taxonomy and ecology. Research projects on the systematics of *Schizodium* (Orchidaceae) (supervised by Prof. Schelpe); and on the vegetation and flora of the Piketberg mountain (under supervision of Dr E.J. Moll).

Doctor of Philosophy - Thesis : Systematic studies on the Disinae. Bolus Herbarium, University of Cape Town (1977 - 1982). Supervised by Prof. E.A. Schelpe.

#### AWARDS AND HONOURS

Matriculation First Class with distinctions in English, Afrikaans, German, General Science and Biology.

Botany 1, Zoology 1 and Chemistry 1 Class Medals (1973).

Botany 2 Class Medal (1974).

B.Sc. (Hons.) First Class (1976).

Awarded Smuts Memorial Fellowship (1977 - 1979).

Awarded the Harold Compton Prize for the most meritorious paper on the South African flora published in 1981 (1982).

Awarded the R.A. Dyer Prize for the most meritorious paper published by a Botanical Research Institute officer under 40 years of age in 1983 (1984).

Awarded the Cuatrecasas Medal for contributions to tropical botany by the Botany Department of the Smithsonian Institute in Washington DC (2014)

#### EMPLOYMENT AND APPOINTMENTS

1980. Temporary Lecturer in Plant Taxonomy in the Department of Botany, University of Cape Town.

1981 - 1986. Agricultural Researcher, Botanical Research Institute, Department of Agriculture.

1982 - 1985. Posted as South African Liaison Officer to the Royal Botanic Gardens, Kew.

1987 - Lecturer in the Botany Department of the University of Cape Town, with the posting of Assistant Curator of the Bolus Herbarium.

1990 - Promoted to Senior Lecturer.

- 1993 - Promoted to Associate Professor.  
1997 - *Ad Hominem* promotion to Professor.  
2001 - Professor of Systematic Botany at the University of Zurich, and as Director of the Institute of Systematic Botany and the Botanic Garden of Zurich.  
2011 - Resigned as Director, stay as Professor.  
2019 - Retired

## Papers delivered

[this is a listing only of the papers which I delivered. I did not include the very numerous papers delivered by my students or collaborators, on which I was only a contributing author. The list is not complete.]

1981.  
1. The Orchids of the Cape Floral Region. Tenth World Orchid Conference, Durban.
1982.  
2. The Historical Biogeography of the Disinae (Orchidaceae). AETFAT, Pretoria.  
3. The Evolutionary History of the Restionaceae. British Museum of Natural History.
1983.  
4. The Generic Classification of the African Restionaceae. Stockholm University.  
5. The Classification of the Disiae. Copenhagen University.
1984.  
6. Pollen and the Poales. Royal Botanical Gardens, Kew.
1985.  
7. A hypothesis on the evolution of the Poales. Missouri Botanical Garden, St Louis.  
8. The phylogeny of the Orchidoideae, with particular attention on the Disiae. Scientific Orchid Conference, Kew.
1987.  
9. On the relationship between Fynbos and the Afro-temperate floras. Annual Fynbos Biome Meeting, Saasveld.  
10. The Poales: an ancient Gondwanan group. University of Cape Town.
1988.  
11. Ontogeny and phylogeny in the orchids. With H. Kurzweil. SAAB Congress, Cape Town.  
12. The relationship between the Cape and Afromontane vegetation and flora. AETFAT Congress, Germany.  
13. Vegetative morphology and interfire survival strategies of Cape fynbos grasses. Annual Fynbos Biome Meeting, Montagu.  
14. A reassessment of the biogeography and vegetation history of the southern Afromontane region. With M. Meadows. Annual Forest Biome Meeting, Houw Hoek.
1989.  
15. Problems in the taxonomy of *Pentaschistis*. SAAB Congress, Pretoria.  
16. The curious glands of *Pentaschistis*, with J. Thompson. SAAB Congress, Pretoria.  
17. The taxonomic problems of *Festuca caprina*, with T. Sokutu. SAAB Congress, Durban.
1990.  
18. A review of the African Restionaceae. SAAB Congress, Grahamstown.  
19. Phylogeny and evolution of the Restionaceae. IXth Willi Hennig Meeting, Canberra, Australia.  
20. Evolution in the African Restionaceae. Royal Botanic Gardens, Sydney.
1991.  
21. Homologies in the gynoecia of the African Restionaceae. SAAB Congress, Pietermaritzburg;  
22. Afrotropical phytogeography: implications of cladistic biogeographic analysis. AETFAT Congress, Malawi.
1992.  
23. Species and speciation in the Cape Flora. SAAB Congress, Durban.  
24. Homology, ontogeny and phylogeny. Talk in the Evolutionary Biology Series of the South African Museum.

25. Floras and phylogenies: the systematics of the danthonoid grasses. CSIRO Plant Industry Programme talk.
  26. Systematics and biodiversity, problems in the Cape Flora. Systematic Botany Association, Canberra Chapter.
  27. Taxonomy and Biodiversity. Functional Biodiversity symposium, Cape Town (with J.J. Midgley)
- 1993.
28. The evolutionary biology of the African Restionaceae. Southern Connections Conference, January, Hobart.
  29. Progress with the systematics of the danthonoid grasses. Seminar at Landcare, Christchurch, New Zealand.
  30. The evolutionary biology of the grass-allies, Restionaceae. Department of Botany and Zoology, Australian National University.
  31. The taxonomy and phylogeny of the Dicaeae (Orchidaceae). World Orchid Conference, Glasgow.
  32. Recent developments in the classification of Angiosperms. Seminar at the Botany Department, Rhodes University.
  33. Evolution in the commelinid monocots. Seminar, Botany Department, University of Cape Town.
  34. Taxonomy and biodiversity. Botanical Diversity of Southern Africa, University of Cape Town.
  35. Phylogeny of the commelinid monocots. Monocot conference, Kew, England.
- 1994.
36. Molecular and morphological data in commelinid phylogeny. South African Association of Botanists Annual Congress, invited paper.
  37. Biodiversity assessment in a species-rich environment: the Cape Peninsula, South Africa. Invited talk to the Conference on Enhancing Research Capacity for Biodiversity Assessment, Nairobi.
  38. Austral Biogeography. Division of Botany and Zoology Seminar, Australian National University.
  39. Phylogeny and classification of the Danthonoid Grasses. Australian Systematic Botany Society, Canberra Chapter, seminar.
  40. Combining molecular and morphological evidence: problems with 'higher' taxa. 13th Willi Hennig Society Conference, Copenhagen.
- 1996.
41. Africa and Gondwana: what do the plants say? SAAB Annual Congress, Stellenbosch.
  42. Priorities for taxonomic research in the Cape flora. SAAB Annual Congress, Stellenbosch.
  43. Towards a broader perspective of taxonomic research: *Chaetobromus* (Danthonieae: Poaceae) as a case study. SAAB Annual Congress, Stellenbosch. With G.A. Verboom.
  44. Phylogeny and evolutionary patterns in *Thamnochortus* (Restionaceae). SAAB Annual Congress, Stellenbosch. With D. M. Mann.
  45. The evolution of wind pollination. Reproductive Biology 96; Royal Botanic Gardens, Kew.
  46. A historical interpretation of the African phytochoria. Frank White Memorial Symposium, Oxford.
- 1997.
47. Patterns of diversity and endemism in the African flora: a numerical analysis. AETFAT meeting, Harare.
  48. Case studies in adaptation in the Cape Flora, South Africa. Australian Systematic Biology Society Meeting, Adelaide.
- 1998.
49. Pollen morphology and wind pollination in Angiosperms. Reproductive Biology meeting, Kew.
  50. Phylogenetic systematics and the history of the Cape Flora. NPSN Meeting, Uppsala.
  51. Evolution of wind pollination in Angiosperms. NPSN Meeting, Uppsala.
  52. The phylogeny of Restionaceae based on morphology. Monocots II, Sydney.
  53. Biogeography of the Danthonieae. Monocots II, Sydney.
- 1999.

54. Africa and the Sahara. Inaugural Meeting of the South African Society for Systematic Biology, Stellenbosch.
  55. Patterns of species diversity and endemism in Australia and Africa. Keynote Symposium, at the International Botanical Congress, St Louis. With Mike Crisp.
  56. Vicariance, climate change, anatomy and phylogeny of the Restionaceae. Under the Microscope, a conference organised by the Linnean Society, London to honour Dr D.F. Cutler.
- 2000.
57. A protocol for locating areas of endemism. Centre of Biodiversity Research, Canberra.
  58. Locating areas of endemism. Second conference of the SASSB, Mtunzini, KwaZulu-Natal
  59. The last 100 years of Systematic Biology in South Africa: and what about the Future? Invited talk, Second conference of the SASSB, Mtunzini.
- 2001.
60. Forschung und Botanische Gärten – 2 Beispiele: Kirstenbosch und Zürich. Jahrestagung des Verbandes Botanischer Gärten im Leonhart Fuchs-Jahr 2001 in Tübingen.
- 2002
61. Radiation in the Cape flora. Invited talk at "Plant species-level systematics patterns, processes and new applications", in Leiden
- 2003.
62. Südafricas Orchideen. Invited talk, Basel, Zwei Orchideenausstellungen, 25 März. 2003
  63. A numerical re-evaluation of the sub-Saharan phytochoria of mainland Africa. Invited talk in Copenhagen, 20 May 2003.
  64. Reconstructing ancestral habitats: a test case from the Cape flora. Systematics Association Biennial Conference, Dublin, 21 August 2003.
  65. Biogeographical relationships between the Cape and the Afromontane floras, as indicated by Restionaceae, *Pentaschistis* and *Satyrium*, in Addis Abeba at the AETFAT meeting, September 2003.
- 2004.
66. Evolution of the Cape Flora. University of Paris-South, 3 February
  67. The origin of the species-rich Cape Flora. Royal Society of London. 16 March.
  68. Red species lists for the Cape flora: problems in a species rich area. Institute for Nature and Landscape, University of Basel, 19 April.
  69. From Nees to now: changing questions in the systematics of the grass subfamily Danthonioideae. Leopoldina meeting, Reichelsheim, 18 June.
- 2005.
70. The Danthonioideae. A celebration of Grasses, Linnean Society, London. 9 September.
  71. The Cape flora as model system. International Botanical Congress, Vienna. 18-22 July. Keynote talk.
  72. Alpine biogeography: what are the questions?. Keynote talk, Gf BS annual meeting in Basel, 14 September.
- 2006.
73. Speciation in the Cape flora: the case of the Restionaceae. Keynote talk, SASSB V meeting in South Africa, 14-17 July.
  74. Origins of the Cape flora. Rhodes University, South Africa. 11 August
  75. Evolution of the Poales. University of Fribourgh. 19 December.
- 2007.
76. Macroevolution: the search for large-scale patterns in the evolution of plants. Salzburg University, 11 January 2007
  77. The assembly of the Cape Flora. Southern Connections Meeting, Adelaide, Australia, 21-25 February 2007
  78. African Biochoria. AETFAT meeting, Yaounde, Cameroon, 26 Feb-2 March 2007
  79. Linné und die Erforschung der afrikanischen Pflanzenvielfalt. Naturforschende Gesellschaft Basel, 23 March 2007
- 2008.
80. Radiation, diversity and history. Systematics Meeting in Göttingen, 7-11 April 2008.
  81. Die Vielfalt der südafrikanische Flora. Düsseldorf Botanical Garden. 6 June 2008.
  82. Speciation and Extinction in Species Diversity Hotspots – what do we know? Darwin Lecture Series, Vienna University, 25 June 2008
  83. African biogeography. Institute of Botany lecture series, University of Vienna. 25 June 2008.
  84. Evolutionary History of the Poales. Monocots IV, Copenhagen, 11-15 August 2008.

2009.

85. Plant diversification on islands on Continents: the Cape flora as an example. Evolutionary Islands 150 years after Darwin. Leiden, 11-13 Feb 2009.
86. What controls the patterns of disjunctions among the widely separated Southern Hemisphere continents? Institute of Botany, Charles University, Prague. 5 April 2009.
87. Hotspots der Pflanzendiversität in Africa. Invited talk at the Osnabrück Botanical Garden. 27 April 2009.
88. Adaptive radiation, lineage diversification and niche expansion: how can a great species richness be packed into a small area? Invited seminar to the Ecology, Evolution and Systematics Masters Course of the University of Munich. 2 Jun 2009.
89. Joachim Conert und die Gräser (Poaceae). Meeting to celebrate the 80th Birthday of Joachim Conert. Frankfurt, 5 Jun 2009.

2014.

90. Macroevolution. FRIAS workshop "Evolution in Action – linking phylogenies and traits". Freiburg i.B., 25 Sept 2014
91. Smithsonian
92. University of Maryland
93. Amherst

## Grants obtained

### 2001

SANW Reisestipendium, for a collecting expedition to South Africa, 6'000.00 CHF

### 2002

National Geographic Grant, for collecting expeditions to South Africa, US\$ 9'800.00  
Swiss national science foundation, CHF 350'000  
SANW Reisestipendium, for collecting expeditions to Africa, 5'500 CHF

### 2005

Swiss National Science Foundation, CHF 410'000

### 2006

Swiss-South African cooperation seminar, CHF 11'400

### 2008

Swiss National Science Foundation, CHF 300'000

### 2011

Swiss National Science Foundation, CHF 625'037

### 2014

Swiss National Science Foundation, CHF

## Teaching

### Postgraduate

Masters by dissertation (Qualified)

1. Ms P. Chesselet. Systematic implications of leaf anatomy and palynology in the Disinae and Coryciinae (Orchidaceae). 1989.
2. Mr T. M. Sokutu. Systematic studies on southern African grasses. 1991.

3. Dr. P. V. Bruyns. Systematic studies in Asclepiadaceae. 1994.
4. Mr. G. A. Verboom. An investigation of character variation in *Chaetobromus* Nees (Danthonieae: Poaceae) in relation to taxonomic and ecological pattern. 1995 (Distinction).
5. Mr T. Trinder-Smith. Phytogeographical patterns in the flora of the Cape Peninsula. 1995.
6. Ms S.L. Munro. The embryology of *Prionium serratum* (L.f.) Drege ex E.Mey. (Juncaceae: Cyperales) and its implications for the phylogeny of Cyperales. 1996 (Distinction).
7. Ms D. M. Mann. The evolutionary history of *Thamnochortus* (Restionaceae). 1996 (Distinction).
8. Mr. R. C. Griffioen. Variation and taxonomy in *Chrysanthemoides* (Asteraceae). 1996.
9. Ms C. Klak. The phylogeny and taxonomy of *Psilocaulon* (Mesembryanthemaceae). 1996 (Distinction).
10. Ms E. Scott. Phytogeographical patterns in southern African orchids (dissertation part of a course-work Masters) 1996.
11. Mrs A. Fellingham. Inflorescence structure in *Cliffortia* (Rosaceae). 1999.
12. Mr T. Dlamini. A revision of *Melianthus* (Melianthaceae). 2000.
13. Ms J. Born. Delimitation of the Cape and Nama floras. 2004
14. Mr. P. Taxböck. Scabiosa and the biogeography of Eurasian elements in the Afro-temperate flora. 2005.
15. Mr S. Dietschi. Plant diversity in alpine meadows. 2005.
16. Mr Thomas Strobl. Phenology of the African Restionaceae. 2007
17. Ms Barbara Wenk. *Gentiana acaulis* & *Gentiana clusii* : Welche biologischen und ökologischen Faktoren kontrollieren den Genfluss zwischen dem vikariierenden Artenpaar? 2008.
18. Mr. R. Wüest. Diversität und Ökologie von *Carex* in der Schweiz. 2008.
19. Mr Alex G. Bösch. The Evolution of the annual habit in *Felicia*. 2010
20. Ms Meret Huber. Root morphology, anatomy and function in Restionaceae. 2011
21. Ms Eliane Furrer. Phylogeographical patterns in the Cape Flora as demonstrated by *Pentameris pallida* (Poaceae). 2011.
22. Ms Franziska Perl. Eiszeitliche bedingte Phylogeographie im südlichen Afrika am Beispiel von *Tenaxia disticha* und *Tenaxia stricta* (Poaceae). 2011.
23. Ms Meret Huber. Structural and functional variation in roots in seasonally dry oligotrophic environments, using Restionaceae as study material. 2012.
24. Ms Patricia Wepfer, Systematics and a taxonomic revision of *Flagellaria*. 2012.
25. Ms Anna Katharina Schoenberg, Range area correlates of African Restionaceae. 2012.
26. Mr Orlando Schwery. The influence of functional leaf traits and mountain association on species richness within the family of Ericaceae. 2012.

#### Masters by coursework and dissertation (Qualified)

1. Mr. E. Kwembeya. Generic limits in the *Brachycorythus* group (Orchidaceae). 2000.
2. Mr. C. Mujaju. Species limits in the *Cannomois parviflora* (Restionaceae) group. 2000.
3. Mr C. Cupido. Systematics of *Merciera*. 2000.

#### Ph.D. (Qualified)

1. Dr B-E. van Wyk. A taxonomic study of the genus *Lotononis* (DC.) Eckl. & Zeyh. (Fabaceae, Crotalariaeae). 1989.
2. Dr B. Schrire. Systematic studies in African Indigofereae (Leguminosae – Papilionoideae). Co-supervised with Prof. van Staden, University of Natal. 1991.
3. Dr D. Paterson-Jones. Systematic studies on the Amaryllideae (Amaryllidaceae). 1992.
4. Dr N. Barker. A molecular phylogeny of the subfamily Arundinoideae (Poaceae). (Co-supervised with Prof. Harley). 1995.
5. Mr E.G.H. Oliver. Systematic studies on the Ericoideae (Ericaceae). 1999.
6. Mr J. Ochora. Embryology and seed establishment in Kenyan orchids. (co-supervised with Prof. W. D. Stock). 2000.

7. Mr G.A. Verboom. Evolution of life-history attributes in *Ehrharta* (Poaceae). (co-supervised with Prof. W.D. Stock). 2000.
8. Ms S.L. Munro. Growthforms in the monocots. 2000.
9. Mrs G. Scott. Phytochemical studies on the Bruniaceae. (Co-supervised with Mr Campbell and Prof. Eloff). 2000.
10. Ms C. Klak. Investigations into the systematics of the *Lampranthus* group sensu Hartmann (Aizoaceae). (co-supervised with Prof. T. Hedderson) 2002.
11. Mr C. Whitehouse. Systematics of *Cliffortia* (Rosaceae). (co-supervised with Prof. T. Hedderson). 2002.
12. Mr Philip Moline. Radiation in the *Elegia* clade of the African Restionaceae. 2005.
13. Mr Timo van der Niet. Evolution of Satyrium (Orchidaceae). 2005.
14. Ms Chloe Galley. Systematics and evolution of Pentaschistis. 2006.
15. Mr Benny Bytebier. Systematics of *Disa*. (Registered at the University of Stellenbosch, co-supervised with Prof. Bellstedt) 2007.
16. Mr Cyril Guibert. Ecology and evolution of European species of *Carex*. (Registered at the University of Toulouse, co-supervised with Prof. L. Civyrel). 2008.
17. Ms Berit Gehrke. Biogeography of Eurasian elements in the Afro-temperate flora. 2008.
18. Ms N. Bergh. On *Elytropappus rhinocerotis*. (Registered at University of Cape Town, co-supervised with Proff. Bond and Hedderson.)
19. Mr P. L. Bradshaw. Patterns of endemism in the Cape Floristic Region. (Registered at the University of Cape Town, co-supervised with Prof. Terry Hedderson.)
20. Ms Aelys Humphreys. Systematics of *Rytidosperma*. 2010.
21. Mr Rafael Wüest. 2013. Modelling niche evolution. Registered 2008.
22. Ms Nina Angela Richner. 2014. Changes in arable weed communities over the last 100 years. Registered 2010, cosupervised Thomas Walter and Rolf Holderegger.
23. Ms Renske Onstein. 2015. The role of plant functional traits in Cenozoic angiosperm radiations. With distinction. Registered 2011
24. Mr Lukas Taxboeck. 2015. Diatom diversity, distribution patterns and spring types in near-natural Swiss springs. Co-supervised with Marco Cantonati. Registered 2008
25. Mr Mario Coiro. 2019. Evolutionary studies in the Cycadales.
26. Mr Merten Ehlig. 2019. Mechanisms of Maintaining Diversity in the Mediterranean Type Climate – Examples from African Restionaceae in the Cape Floristic Region.

## Administration and Professional activities

### Membership of Professional Bodies

Botanical Society of America  
 American Society of Plant Taxonomists  
 Fellow of the Linnean Society  
 IAPT  
 Systematic Biology Society  
 Schweizer Botanische Gesellschaft (President 2012-2015)  
 Zürcher Botanische Gesellschaft

### Professional activities

1990. Organised a symposium on five major African families, with invited contributions from Drs Hartmann, Goldblatt, van Wyk, and Mr Oliver. Proceedings published in Contribution from the Bolus Herbarium.
1991. Organised a symposium on homology, addressed by Drs Farris and Källersjö.  
 Organised a symposium on Afrotemperate phytogeography for the AETFAT Congress in Malawi.
1992. Organised a symposium on species and speciation, addressed by Dr Humphries.
- 1988-1992 Served on the Council of the South African Association of Botanists.
- 1988-1992 Participated in the established of the Systematics Stimulation Committee, and served on its committee.

- 1991- Serve on the Committee for Systematics of the National Botanical Institute.
- 1988- Project proposal reviews for the FRD (Pretoria), Australian Research Council (ARC), National Geographical Society (USA) and the National Science Foundation (NSF, USA).
- 1998- Serve on Prestigious Scholarships Committee of the FRD.
- 1999. Organise the Inaugural Meeting of the South African Society for Systematic Biology, elected founder President for the Society. I am very happy about this latter development. I have long felt that we need to bridge the gap between the botanical and zoological systematists, at least in a small country like South Africa. Combined, there are over 100 active systematists, and this is a large enough body to make itself heard. In order to bring everybody together, I organised, with Prof. Crowe and Drs Cook and Dreyer from the University of Stellenbosch, a meeting in Stellenbosch. The meeting, which lasted a week and which was very well attended (also by a number of overseas systematists) was a great success. The task of continuing the development of the Society is rather daunting, though.
- 2002. Evolution of Flowers symposium at the Institute of Systematic Botany, University of Zurich.
- 2004. Organize the Cape flora meeting at the Institute of Systematic Botany, University of Zurich
- 2005. Organize a symposium on the evolution of the Cape flora at the IBC in Vienna, in collaboration with Prof Klaus Mummenhoff
- 2006. Organize a collaboration seminar between Swiss and South African systematic botanists, funded by the South African NRF and the Swiss SNF, at Grahamstown, South Africa, in collaboration with Prof. Nigel Barker
- 2014. Organised the Plant Radiations Meeting in Zurich, (with Colin Hughes and Reto Nyffeler)
- 2014. Organised two symposia at the AETFAT meeting in Stellenbosch: on the Austrotemperate flora, and on the Afroalpine and Afromontane floras.

### **Journals edited or reviewed**

1. Reviewed papers for the South African Journal of Botany, South African Journal of Science, Australian Systematic Botany, Australian Journal of Botany, Taxon, Journal of Biogeography, Plant Systematics and Evolution, Bothalia, Kew Bulletin, Systematic Botany, American Journal of Botany, Perspectives in Plant Ecology, Evolution and Systematics, Systematic Biology, Science, Nature and Biodiversity and Conservation.
2. Advisory board of Nordic Journal of Botany (1994-), South African Journal of Botany (2000 - 2003), Perspectives in Plant Ecology, Evolution and Systematics (2000-), Feddes Repertorium (2000-), Kew Bulletin (2003-).
3. Associate Editor of Systematic Biology (1999-2005), Diversity and Distributions (2003-2012), Journal of Biogeography (2004-2015), and Perspectives in Plant Ecology, Evolution and Systematics (2009-2012).
4. Chief Editor of Journal of Biogeography (2015-2019)

### **Degrees examined**

PhD (very incomplete)

2005: University of Edinburgh

2007: University of Vienna

2007: University of Dublin

2007: University of Edinburgh

2008: University of Oslo.

2011: University of Aarhus

2012: University of Aarhus

2014: University of Salzburg

2017: University of Wageningen



## Publications

### Scientific Journals

1979

1. LINDER, H.P. & CAMPBELL, B.M. Towards a structural- functional classification of fynbos: a comparison of methods. *Bothalia* 12: 723-729.

1980

2. LINDER, H.P. *Disa cardinalis* Linder (Orchidaceae), a new species from the Cape Province. *Journal of South African Botany* 46: 213-215.
3. LINDER, H.P. An annotated revision of the genus *Schizochilus* Sond. (Orchidaceae). *Journal of South African Botany* 46: 379-434.
4. LINDER, H.P., STREUBEL, P.M. & CROWE, T.M. Island biogeography and the *Acacia* clumps at the Nxai Pan, Botswana. *Botswana Notes and Records* 12: 170-173.

1981

5. LINDER, H.P. Taxonomic studies on the Disinae: I. A revision of the genus *Brownleea* Lindl. *Journal of South African Botany* 47: 13-48.
6. LINDER, H.P. Taxonomic studies on the Disinae: II. A revision of the genus *Schizodium* Lindl. *Journal of South African Botany* 47: 339-371.
7. LINDER, H.P. Taxonomic studies on the Disinae: III. A revision of *Disa* Berg. excluding sect. *Micranthae* Lindl. *Contributions from the Bolus Herbarium* 9: 1- 270.
8. LINDER, H.P. Taxonomic studies on the Disinae. IV. A revision of the genus *Monadenia* Lindl. *Bothalia* 13: 339-363.
9. LINDER, H.P. Taxonomic studies on the Disinae. V. A revision of the genus *Herschelia* Lindl. *Bothalia* 13: 365-388.
10. LINDER, H.P. Taxonomic studies on the Disinae. VI. A revision of *Disa* Berg. sect. *Micranthae* Lindl. *Bulletin du Jardin Botanique National de Belgique* 51: 255-346.
11. LINDER, H.P. *Disa pulchra*. *Flowering Plants of Africa* 46 t 1824.
12. LINDER, H.P. *Disa aristata*. *Flowering Plants of Africa* 46 t 1825.
13. LINDER, H.P. *Disa cardinalis*. *Flowering Plants of Africa* 46 t 1826.
14. LINDER, H.P. *Distributiones Plantarum Africanarum* 22, figs. 727-751.

1982

15. LINDER, H.P. The orchids of the Cape Floral Region. In J. Stewart and C.N. van der Merwe (eds.), *Proceedings of the 10th World Orchid Conference*, p. 59-63.

1983

16. OLIVER, E.G.H., LINDER, H.P. & ROURKE, J.P. Geographical distribution of present-day Cape taxa and their phytogeographical significance. *Bothalia* 14: 427-440.
17. LINDER, H.P. The historical phytogeography of the Disinae (Orchidaceae). *Bothalia* 14: 565-570.

1984

18. WESTMAN, W.E., BOUCHER, C., CAMPBELL, B.M., COWLING, R.M., LAMONT, B., LINDER, H.P., NOBLE, R.G. & VAN WILGEN, B.W. The structure and dynamics of plant communities. In: J. Day (ed.), *Mineral nutrients in mediterranean ecosystems*. South African National Scientific Programmes Report 53:77-89. CSIR, Pretoria.
19. TILMAN, D., BOND, W.J., CAMPBELL, B.M., KRUGER, F.J., LINDER, H.P., SCHOLTZ, A., TAYLOR, H.C. & WITTER, M. Origin and maintenance of plant species diversity. In: J. Day (ed.), *Mineral nutrients in mediterranean ecosystems*. South African national Scientific Programmes Report 53: 125 -135. CSIR, Pretoria.
20. LINDER, H.P. A new species of *Disa* (Orchidaceae). *Journal of South African Botany* 50: 261-263.

21. LINDER, H.P. A phylogenetic classification of the genera of the African Restionaceae. *Bothalia* 15: 11- 76.
- 1985**
22. LINDER, H.P. Gene flow, speciation and species diversity patterns in a species rich area; the Cape Flora. In E.S. Vrba (ed.), *Species and Speciation*. Transvaal Museum Monograph 4, p. 53-57.
23. HARBORNE, J.B., BOARDLEY, M. & LINDER, H.P. Variations in flavonoid patterns within the genus *Chondropetalum* (Restionaceae). *Phytochemistry* 24: 273-278.
24. LINDER, H.P. Notes on the orchids of southern tropical Africa. I. *Brownleea* and *Herschelia*. *Kew Bulletin* 40: 125-129.
25. LINDER, H.P. Conspectus of the African species of Restionaceae. *Bothalia* 15: 387-504.
26. LINDER, H.P. & FERGUSON, I.K. On the pollen morphology and phylogeny of the Restionales and Poales. *Grana* 24: 65-76.
- 1986**
27. LINDER, H.P. A review of the tropical African and Malgasy Restionaceae. *Kew Bulletin* 41: 99-106.
28. LINDER, H.P. Notes on the phylogeny of the Orchidoideae, with particular reference to the Disinae. *Lindleyana* 1: 51-64.
29. LINDER, H.P. Notes on the Disinae for the Flora of Southern Africa. *Bothalia* 16: 56-57.
30. LINDER, H.P. Diverse notes on Southern African Pooids. *Bothalia* 16: 59-61.
31. LINDER, H.P. & WILLIAMSON, G. Notes on the orchids of southern tropical Africa. II. *Oligophyton drummondii*, gen. et sp. nov. *Kew Bulletin* 41: 313-317.
- 1987**
32. LINDER, H.P. The evolutionary history of the Poales/Restionales - a hypothesis. *Kew Bulletin* 42:297-318.
- 1988**
33. LINDER, H.P. A review of cladistics for botanists. *South African Journal of Botany* 54:208-220.
34. LINDER, H.P. *Herschelianthe lugens* var. *nigrescens*. *Flowering Plants of Africa* 50:t.1977.
35. LINDER, H.P. Taxonomic notes on some orchids from the south-western Cape Province, South Africa. *South African Journal of Botany* 54:496-500.
36. RUDALL, P.J. & LINDER, H.P. Megagametophyte and nucellus in Restionaceae and Flagellariaceae. *American Journal of Botany* 75:1777-1786.
- 1989**
37. LINDER, H.P. *Satyridium rostratum*. *Flowering Plants of Africa* 50 t.1993.
38. LINDER, H.P. Notes on southern African Angraecoid orchids. *Kew Bulletin*. 44: 317-319.
39. LINDER, H.P. Grasses in the Cape Floristic Region: phytogeographical implications. *South African Journal of Science* 85:502-505.
40. MEADOWS, M.E. & LINDER, H.P. A reassessment of the biogeography and vegetation history of the southern Afromontane Region. In C.J. Geldenhuys (ed.), *Biogeography of the mixed evergreen forests of southern Africa*, pp. 15-29. Ecosystems Programmes, occasional report 45, Pretoria.
41. LINDER, H.P. Herb communities on the forest floor. In A.C. Hamilton and R. Bensted-Smith (eds.), *Forest conservation in the East Usambara Mountains, Tanzania*, pp 255-268. IUCN Tropical Forest Programme.
- 1990**

42. LINDER, H.P. & ELLIS, R.P. A revision of *Pentaschistis* (Arundineae: Poaceae). *Contributions from the Bolus Herbarium* 12:1-124.
43. LINDER, H.P. & KURZWEIL, H. Floral morphology and phylogeny of the Disinae (Orchidaceae). *Botanical Journal of the Linnean Society* 102: 287-302.
44. MANNING, J.C. & LINDER, H.P. A cladistic analysis of patterns of endotheacial thickenings in the Poales/Restionales. *American Journal of Botany* 77:196-210.
45. LINDER, H.P. & ELLIS, R.P. *Pentaschistis*. In Gibbs Russell et al., Grasses of Southern Africa. *Memoirs of the Botanical Survey of South Africa* 58: 253-265.
46. LINDER, H.P. & ELLIS, R.P. Vegetative morphology and interfire survival strategies in the Cape Fynbos grasses. *Bothalia* 20:91-103.
47. LINDER, H.P. New species of African Restionaceae. *South African Journal of Botany* 56: 450-457.
48. LINDER, H.P. A morphological study on the *Thamnochortus erectus* complex (Restionaceae). *South African Journal of Botany* 56: 443-449.
49. LINDER, H.P. On the relationship between the vegetation and the floras of the Afromontane and the Cape Regions of Africa. *Mitteilungen der Institut für Allgemeine Botanik Hamburg* 23b: 777-790.
50. LINDER, H.P., THOMPSON, J.F., ELLIS, R.P. & PEROLD, S.M. The occurrence, anatomy and systematic implications of the glands in *Pentaschistis* and *Prionanthium* (Poaceae - Arundinoideae - Arundineae). *Botanical Gazette* 151: 221-233.
51. BONNEFILLE, R., HAMILTON, A.C., LINDER, H.P. & RIOLLET, G. 30000-year-old fossil Restionaceae pollen from Central Equatorial Africa and its biogeographical significance. *Journal of Biogeography* 17:307-314.
52. LINDER, H.P. Notes on a rare Cape Disa. *Bothalia* 20,2: 216-217.
53. BALFOUR, D.A. & LINDER, H.P. Morphological variation in populations of *Disa uniflora* (Disaceae: Orchidaceae) in the southwestern Cape, South Africa. *Canadian Journal of Botany* 68: 2361-2370
54. LINDER, H.P. Hybrids in *Disa* (Disaceae-Orchidoideae). *Lindleyana* 5: 224-233.
- 1991**
55. LINDER, H.P. *Aira praecox*, a new record from southern Africa. *Bothalia* 21: 55.
56. LINDER, H.P. & VLOK, J.H. The morphology, taxonomy and evolution of *Rhodocoma* (Restionaceae). *Plant Systematics and Evolution* 175: 139-160.
57. KURZWEIL, H., LINDER, H.P. & CHESSELET, P. The phylogeny and evolution of the *Pterygodium-Corycium* complex (Coryciinae, Orchidaceae). *Plant Systematics and Evolution* 175: 161-223
58. LINDER, H.P. A review of the Southern African Restionaceae. *Contributions from the Bolus Herbarium* 13: 209-264.
59. LINDER, H.P. Confidence limits in phylogenies: an example from the African Restionaceae. *Taxon* 40: 253-266.
60. LINDER, H.P. *Pentaschistis pseudopallescens*. *Flowering Plants of Africa* 51 pl.2040.
61. LINDER, H.P. *Pentaschistis rosea* ssp. *rosea*. *Flowering Plants of Africa* 51 pl.2039.
62. LINDER, H.P. Environmental correlates of patterns of species richness in the southwestern Cape Province of South Africa. *Journal of Biogeography* 18: 509-518
63. KURZWEIL, H. & LINDER, H.P. A comparative study of the floral morphology in the genus *Disperis* (Orchidaceae). *Beiträge zur Biologie der Pflanzen* 66: 433-477.
- 1992**
64. ELLIS, R.P. & LINDER, H.P. Atlas of the leaf anatomy in *Pentaschistis*. *Memoirs of the Botanical Survey of South Africa* 60:1-314.
65. MANNING, J.C. & LINDER, H.P. Pollinators and evolution in *Disperis* (Orchidaceae), or why are there so many species? *South African Journal of Science* 88: 38-49.
66. HONIG, M.A., LINDER, H.P. & BOND, W.J. Efficacy of wind pollination: pollen load size and natural microgametophyte populations in wind pollinated *Staberoha banksii*. *American Journal of Botany* 79:443-448.

67. LINDER, H.P. The structure and evolution of the female flower of the African Restionaceae. *Botanical Journal of the Linnean Society* 109: 401-425.
68. HELME, N.A. & LINDER, H.P. Morphology, evolution and taxonomy of *Wachendorfia* (Haemodoraceae). *Bothalia* 22: 59-75.
69. LINDER, H.P. The gynoecea of Australian Restionaceae: morphology, anatomy and systematic implications. *Australian Systematic Botany* 5: 227-245.
70. LINDER, H.P., MEADOWS, M.E. & COWLING, R.M. History of the Cape Flora. In R.M. Cowling (ed.), *The ecology of Fynbos: nutrients, fire and diversity*, pp. 113-134. Oxford University Press.
- 1993**
71. CHESSELET, P. & LINDER, H.P. Pollen morphology of the Deseae (Orchidoideae; Orchidaceae). *Grana* 32: 101-110.
72. LINDER, H.P. Do cladists live in a fool's paradise? A critique of Hall's unifying theory for methods of systematic analysis. *South African Journal of Science* 89: 211-214.
73. LINDER, H.P., VLOK, J. H., McDONALD, D. J., OLIVER, E.G.H., BOUCHER, C., VAN WYK, B-E & SCHUTTE, A. The high-altitude flora and vegetation of the Cape Flora, South Africa. *Opera Botanica* 121: 247-261.
74. MEADOWS, M.E. & LINDER, H.P. A palaeoecological perspective on the origin of Afrotropical grasslands. *Journal of Biogeography* 20: 345-355.
75. LINDER, H. P. & RUDALL, P. J. The megagametophyte in *Anarthria* (Anarthriaceae, Poales) and its implications for the phylogeny of the Poales. *American Journal of Botany* 80: 1455-1464.
- 1994**
76. LINDER, H. P. & MIDGLEY, J. J. Taxonomic diversity: what does it mean? *South African Journal of Science* 90: 329-333.
77. LINDER, H. P. & KURZWEIL, H. The phylogeny and classification of the Deseae (Orchidoideae: Orchidaceae). *Annals of the Missouri Botanical Garden* 81: 687-713.
78. LINDER, H. P. A proposed index of biodiversity. *Strelitzia* 1: 211-220.
79. LINDER, H. P. Afrotropical phytogeography: implications of cladistic biogeographical analyses. J.H. Seyani & A.C. Chikuni (eds.), *Proceedings of the XIIIth Plenary Meeting AETFAT, Malawi*, 2: 913-930.
80. SPIES, J.J., LINDER, H.P., LABUSCHAGNE, I.F. & DU PLESSIS, H. Cytogenetic evidence for the species delimitation of *Pentaschistis airoides* and *P. patula* (Poaceae: Arundineae). J.H. Seyani & A.C. Chikuni (eds.), *Proceedings of the XIIIth Plenary Meeting AETFAT, Malawi*, 1: 373-383.
81. MIDGLEY, G. F., MIDGLEY, J. J., BOND, W. J. & LINDER, H. P. C3 mistletoes on CAM hosts: an ecophysiological perspective on an unusual combination. *South African Journal of Science* 90: 482-485.
82. VERBOOM, G. A., LINDER, H. P. & BARKER, N. P. Haustorial synergids: an important character in the systematics of Danthonoid grasses (Arundinoideae: Poaceae). *American Journal of Botany* 81:1601-1610.
- 1995**
83. LINDER, H.P. & WALSH, N.G. A new species of *Rytidosperma* (Poaceae: Arundineae) in New South Wales and Victoria. *Muelleria* 8: 283-285.
84. LINDER, H. P. Setting conservation priorities: the importance of endemism and phylogeny in the southern African orchid genus *Herschelia*. *Conservation Biology* 9: 585-595.
85. KELLOGG, E. A. & LINDER, H. P. Phylogeny of the Poales. In P. J. Rudall, P. J. Cribb, D. F. Cutler, & C. J. Humphries (eds.). *Monocotyledons: systematics and evolution*. Royal Botanic Gardens, Kew.
86. LINDER, H. P. & KELLOGG, E. A. Phylogenetic patterns in the commelinid clade. In P. J. Rudall, P. J. Cribb, D. F. Cutler, & C. J. Humphries (eds.). *Monocotyledons: systematics and evolution*, pp 473-496. Royal Botanic Gardens, Kew.

87. LINDER, H. P. *Ceratocaryum pulchrum*, a new restioid from the Bredasdorp plains. *South African Journal of Botany* 61: 222-225.
88. LINDER, H. P. & KURZWEIL, H. Taxonomic notes on the African Orchidoideae (Orchidaceae): a new genus and combination. *Willdenowia* 25: 229-234.
89. KURZWEIL, H., LINDER, H.P., STERN, W.L. & PRIDGEON, A.M. Comparative vegetative anatomy and classification of Disaeae (Orchidaceae). *Botanical Journal of the Linnean Society* 117: 171-220.
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