

CONTACT DETAILS

Name of Company	CES – Environmental and Social Advisory Services
Designation	Head Office
Profession	Associate and Retired Director of CES
Years with firm	30 (Thirty) Years
E-mail	r.lubke@ru.ac.za
Office number	+27 46 603 8596
Mobile Number	+27 (0) 82 576 2626
Nationality	South African
Professional Body	Member of the South African Institute of Ecologists and Environmental Scientists Registered with the S.A. Council of Natural Scientists South African Association for Advancement of Science Canadian Botanical Association International Association of Plant Taxonomy Association for the Taxonomic Study of the Flora of Tropical Africa South African Association of Botanists Society of Systematic Zoology Grassland Society of Southern Africa Institute of Biology Botanical Society of Southern Africa South African Institute of Ecologists and Environmental Scientists European Union for Coastal Conservation
Key areas of expertise	<ul style="list-style-type: none">➤ Biodiversity and floristics of the Eastern Cape➤ Coastal ecology - management and ecology of coastal dunes and estuaries.➤ Reclamation and stabilisation of mine dumps, coastal drift sands and riverbanks.➤ Subtropical thicket and savanna vegetation.➤ Conservation of endangered plant species.

PROFILE

Professor Roy Lubke is a specialist in Plant taxonomy and Ecology, and has extensive experience of over 35 years in the Eastern Cape and other areas of southern Africa. He has 25 years' experience in environmental consulting and formed the company Coastal & Environmental Services in 1989 with Dr Ted Avis and Mr Peter Jackson. Numerous consultancy reports have been produced within the field of expertise indicated above. Professor Lubke recently retired from full service to the Department of Botany, Rhodes University where he was Lecturer, Senior Lecturer and Associate Professor (1975 –1999) and Head of Department (2000– 2002). He is still an Associate Professor teaching Rehabilitation Ecology and is active in research; current projects, which also involve post-graduate students, include:

- Ecological coastal research on dune systems and autecology of dune plants,
- Stabilisation and rehabilitation of dune mining areas,
- Management of dune and coastal systems, and
- Grassland, savanna and thicket plant community studies.

**EMPLOYMENT
EXPERIENCE**

- Natal Herbarium (Durban) :Student Assistant: December - Jan 1959 & 1960
- Botanical Research Institute:Research Officer : Dec 1961 - Dec 1962
- Oklahoma State University :Research Assistant: Jan 1963 - May 1964
- Queens University (Ontario):Technical Assistant : May - Sept 1965
- Exeter University (UK) :Postdoctoral Research Fellow: Mar - Dec 1969
- University of Western Ontario : Laboratory/Tutorial Asst (P/T) : Sept 1964-1968
- Univ. Of Witwatersrand: Lecturer: Jan 1970 - Dec 1974
- Rhodes University: Lecturer: 1975 - 1976
- Rhodes University: Senior Lecturer: 1977 - 1983
- Rhodes University: Associate Professor: 1984 - 1999
- Rhodes University: Associate Professor and Head of Department: 2000 - 2002
- Rhodes University: Associate Professor Emeritus: 2003 - present

**ACADEMIC
QUALIFICATIONS**

- 1962:Rhodes University:B.Sc. Zoology Class III & Botany Class II
- 1963: Rhodes University: B.Sc(Hons) Botany Class I
- 1969: Univ. Western Ontario: Ph.D Botany, Canada
- 1978:University of Keele: M.Sc. :Science Education, (U.K.)

**SCHOLARSHIPS,
BURSARIES,
FELLOWSHIPS
AWARDS**

- *National Research Council of Canada Graduate Scholarship, 1967-1969*
- *CSIR Postgraduate Bursary for overseas study, 1969*
- *Hugh Kelly Bursary for Travel within South Africa, 1981-1982*
- *Cape Times Centenary Medal for Conservation (Group Professional) along with other editors and authors of "Field Guide to the Eastern Cape Coast", 1989*
- *Botanical Society of South Africa – Conservation Medal, 2005*

**CONSULTING
EXPERIENCE**

- Have consulted for government departments, private developers and local authorities on a number of issues, for example, veld burning and loss of crops, dune management, nature reserve design and management, new developments and industries. Involved with important national and international environmental impact assessments such as proposed dune mining in the St Lucia region where I was appointed consulting ecologist. Formed an environmental group in 1989 with Dr.Ted Avis and Mr Peter Jackson - Coastal and Environmental Services - to carry out these studies. In 1997 this became a separate company with Dr Avis and I as directors. Presently it is one of the strongest environmental companies in the Eastern Cape with contracts in the Eastern Cape, greater southern Africa, Mozambique, Malawi and also active in other parts of Africa.

RESEARCH AND PUBLICATIONS

- Taxonomy: My PhD research was in numerical taxonomy and although I have maintained an interest in this direction, the same techniques are used in quantitative ecology.
- Flora of Albany and Bathurst: An update of a 1960's checklist, which will include brief species descriptions and illustrations of some species is in progress.
- Ecology and Applied Ecology: Essentially my ecological research is applied, but it has generally been associated with particular problems requiring investigation. Consequently funding has been from CSIR Terrestrial Programmes or other bodies where specific problems have been studied.
- Reclamation of derelict or unstable areas:
 1. Mine dumps of the Witwatersrand: A research programme initiated in co-operation with the Chamber of Mines.
 2. Spoil heaps of the Boro River, Okavango: studies of this region were carried out in association with earlier researchers from the University of Witwatersrand.
 - 3 Stabilization of coastal drift sands: Ongoing research conducted in association with local authorities, National Research Institute for Oceanography, CSIR and Directorate of Forestry.
 4. Stabilisation of estuarine river banks: In association with the Port Alfred Municipality.
 5. Rehabilitation of tailings after dredge-mining: Research undertaken in conjunction with Richards Bay Minerals on dune sands in the Richard's Bay region, Natal..
- Terrestrial Programmes of FRD, CSIR:
 1. Savanna Ecosystem Project: As one of the first researchers in Nylsvlei. I have an ongoing research project in the savanna.
 2. Conservation: FRD projects on rare and endangered communities of the Eastern Cape.
 3. Karoo Biome Project: Research programme commenced in 1987. I have also contributed to annual meetings
 4. Fynbos and Forest Biome Projects: Contributed at annual meetings.
- Coastal Zone Management:

Ecological coastal research, both pure and applied is my major field of interest at present. Numerous studies have been made of vegetation on

dunes and problems generally associated with dune movement and inappropriate coastal planning. Carried out for and funded by Municipalities of Port Elizabeth, East London, the National Botanic Gardens, Kirstenbosch and Rhodes University Council. I have also working with the Directorate of Forestry, EMATEK-CSIR, and Algoa Regional Services

- Professor Lubke obtained funding from EU - ecosystem projects and co-operated with colleagues in the UK, The Netherlands and Botswana on potential invasive grass species on dune systems. This project looked specifically at the potential of *Ammophila arenaria* (marram grass) as a potential invader of the Cape dune systems.
- Conservation and Conservation Education
 1. Nature Reserves and vegetation classification: Projects on a number of eastern Cape nature reserves have been carried out in association with the Cape Department of Nature and Environmental Conservation and Algoa Regional Services Council. Full FRD support on Landcover programmes for 1986-1987. Other funding from Algoa Regional Services Council.
 2. Oribi Conservation: Project initiated on conservation of Oribi in the Eastern Cape in 1987 and 1988.
 3. A Field Guide to the Eastern Cape Coast: A major educational project of the Grahamstown Centre of the Wildlife Society which was funded by subscribers and sponsors. This book of 384 pages was published in 1988 and edited by myself, Professor M N Bruton and Dr F W Gess and has contributions by about 20 authors. The editors and authors of this book were awarded the Cape Times Centenary Medal for conservation in the category, Group Professional. A second enlarged edition of this book was published in 1998 and edited by myself and Irene de Moor - A Field Guide to the Eastern and Southern Cape Coasts.
- Educational and Popular Books

Successful Biology 8, 9 & 10: I am a major contributing author to three Oxford University Publishers high school biology textbooks.

Vegetation of Southern Africa. The editors , Prof Richard Cowling and Dr. David Richardson, invited me to be senior author of the chapter on coastal vegetation. This book is to be produced next year by Cambridge University Press.

3.Eco-diversity in South Africa: The text of the coastal region is being produced of this popular "coffee-table" type book.
- **LIST OF RECENT PUBLICATIONS**
- LUBKE, R.A., RAYNHAM, G.L. & REAVELL, P.E. 1981
Reassessment of plant succession of spoil heaps along the Boro River, Okavango delta, Botswana. S. Afr. J Sci 77: 21-23.
- LUBKE, R.A. & AVIS, A.M. 1982a
Factors affecting the distribution of *Scirpus nodosus* plants in a dune slack community. S Afr. J. Bot 1(4): 163-164.
- LUBKE, R.A. & AVIS, A.M. 1982b. The effect of salt spray on the growth of *Scirpus nodosus*. S. Afr. J. Bot. 1(4): 163-164.
- PALMER, A.R. & LUBKE, R.A. 1982c
The sorting of species relieve groups in phytosociology by means of an information processor. S.Afr. J. Bot. 1: 7-9

- LUBKE, R.A. 1983
A survey of the coastal vegetation near Port Alfred, Eastern Cape. *Bothalia* 14: 725-738.
- LUBKE, R.A., MORRIS, J.W., THERON, G.K. & VAN ROOYEN, N. 1983
Diversity, Structure and Pattern in Nylsvley Vegetation. *S.Afr. J. Bot.* 2: 26-41.
- LUBKE, R.A. & THATCHER, F.M. 1983
Short-term changes in the woody vegetation at Nylsvley. *S.Afr. J. Bot.* 2: 85-97
- LUBKE, R.A., REAVELL, P.E. & DYE, P.S. 1984
The effects of dredging on macrophytic vegetation of the Boro River, Okavango Delta. *Biol. Conservation* 30: 211-236.
- RICHARDSON, G., LUBKE, R.A. & JACOT-GUILLARMOD, A. 1984
The regeneration of false fynbos after fire. *S.Afr. J. Bot.* 3(3): 153-162.
- VAN DE VENTER, H.A., HOSTON, LILLIAN, LUBKE, R.A. & PALMER, A.R. 1984
Morphology of *Opuntia aurantiaca* (jointed cactus) biotypes and its close relatives *O. discolor* and *O. salmiana* (Cactaceae). *S. Afr. J. Bot.* 3(5): 331-339.
- LUBKE, R.A. 1985
Erosion of the beach at St Francis Bay, Eastern Cape, South Africa. *Biol. Conservation* 32: 99-127.
- LUBKE, R.A. & AVIS, A.M. 1985
The effect of wind-borne sand and salt spray on the growth of *Scirpus nodosus* in a mobile dune system, *S. Afr. J. Bot.* 51:100-110.
- LUBKE, R.A. & AVIS, A.M. 1988
Succession on the coastal dunes and dune slacks at Kleinemonde, Eastern Cape, South Africa. *Monogr. Syst. Bot. Missouri Bot. Gard.* 25: 599-622
- LUBKE, R.A., EVERARD, D.A. & JACKSON, S. 1986
The major biomes of the Eastern Cape with emphasis on their conservation. *Bothalia* 16(2): 251-261.
- LUBKE, R.A. & STRONG, ALISON. 1988
A vegetation survey of the proposed coastal National Botanic Garden site for East London. *S. Afr. J.Bot.* 54: 11-20.
- PALMER, A.R., CROOK, B.J.S. & LUBKE, R.A. 1988
Aspects of the vegetation and soil relationships in the Andries Vosloo Kudu Reserve. *S.Afr. J.Bot.* 54: 309-314
- SUGDEN, JEAN, & LUBKE, R.A. 1990
Short-term changes in mobile dunes at Port Alfred, South Africa. *Environmental Management* 14: 209-220
- LA COCK, G.D., LUBKE, R.A. & WILKEN, MURIEL 1992
Dune movement in the Kwaihoek region of the Eastern Cape, South Africa and its bearing on future developments of the region. *J.Coastal Res.* 8: 210-212
- LUBKE, R.A., AVIS, A.M. & PHILLIPSON, P.B. 1992
Vegetation and Floristics. Chapter 7, in: *Coastal and Environmental Services* (eds). Environmental Impact Assessment. Eastern Shores of Lake St Lucia (Kingsa/Tojan Lease Area). Specialist Reports. 741 pp.
- LUBKE, R.A., MOLL, J.B. & AVIS, A.M. 1992
Rehabilitation Ecology. Chapter 8, in *Coastal and Environmental Services* (eds). Environmental Impact Assessment. Eastern Shores of Lake St Lucia

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- HELLSTRÖM, G.B. & LUBKE, R.A. 1992
Recent changes to a climbing-falling dune system on the Robberg peninsula, Southern Cape Coast, South Africa. *J. Coastal Res.* 9(3): 647-653.
 - LUBKE, R.A. 1993.
Ecosystem management and political correctness. *Bull. S. Afr. Institute of Ecologists and Environmental Scientists.* 12(3): 17-19.
 - LUBKE, R.A. 1993
What is thicket? *S. Afr. J. Bot.* 59(6): 643-144.
 - CLARK, A. R. LUBKE & H. VAN STORMBROEK. 1995
Successful Biology 8. Oxford University Press, Cape Town. 192 pp.
 - LUBKE, R.A. 1995
Environmental Rehabilitation. *SA J. of Sci.*, 91: 568.
 - LUBKE, R.A., U. HERTLING & A.M. AVIS. 1995
Is *Ammophila arenaria* a threat to coastal dune ecosystems. *Journal of Coastal Conservation.* 1: 103-108.
 - LUBKE, R.A., AVIS, A.M. & HELLSTROM, G.B. 1995
Current status of Coastal Zone Management in the Eastern Cape Region, South Africa.
In: *Coastal Management and habitat Conservation.* Salman, A.H.P.M., Berends, A. & Bonazountas, M. (eds). EUCC. Leiden: pp 239-260.
 - LUBKE, R.A., AVIS, A.M. & MOLL, J.B. 1996
Post-mining rehabilitation of coastal sand dunes in Zululand, South Africa. *Landscape and Urban Planning* 34:335-345.
 - LUBKE, R.A., AVIS, A.M., STEINKE, T.D. and BOUCHER, C.B. 1997.
Coastal Vegetation. In: Cowling, R.M. & D. Richardson (Eds). *Vegetation of South Africa.* Cambridge University Press, Cape Town
 - LUBKE, R.A. and DE MOOR, I. 1998.
The Field Guide to the Eastern and Southern Cape Coasts. (eds) U.C.T. Press, Cape Town.
 - Lubke R.A. and Avis, A.M., 1998.
A Review of the concepts and application of Rehabilitation following Heavy Mineral Dune Mining. *Marine Pollution Bulletin*, 37: 546-557.
 - LUBKE, R.A. and HERTLING, U.M. 1999.
Use of *Ammophila arenaria* for dune stabilisation in South Africa and its current distribution - Perceptions and Problems. *Environmental management*, 24: 467-482.
 - CLOETE, E.C. and LUBKE, R.A. 1999.
Flora of the Kap River Reserve, Eastern Cape, South Africa. *Bothalia* 29, 1: 139-149.
 - HERTLING, U.M., LUBKE, R.A., 1999.
Indigenous and *Ammophila arenaria* - dominated dune vegetation on the South African Cape coast. *Applied Vegetation Science*, 2: 157-168
 - HERTLING, U.M., LUBKE, R.A. 2000
Assessing the potential for biological invasion - the case of *Ammophila arenaria* in South Africa. *South African Journal of Science* 96: 520-527.
 - HOARE, D.B., VICTOR, J.E., LUBKE, R.A. and MUCINA, L. 2000.
Vegetation of the coastal fynbos and rocky headlands south of George. *Bothalia*.30, 1: 87-96.

- HOARE, S.A., VICTOR, J.E., LUBKE, R.A. and MUCINA, L. 2000.
Checklist of plant species of the coastal fynbos and rocky headlands south of George. *Bothalia*. 30,1:97-101.
- LUBKE, D.B. and HERTLING, U.M. 2001.
The role of European marram grass in dune stabilization and succession near Cape Agulhas, South Africa. *Journal of Coastal Conservation*. 7: 171-182.
- KNEVEL, I.C., VENEMA, H.G. and LUBKE, R.A.. 2002.
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- LUBKE, R.A., HOARE, D.B., VICTOR, J.E. and KETELAAR, R. 2003.
The vegetation of the habitat of the Brenton blue butterfly, *Orachrysops niobe* (Trimen), in the Western Cape, South Africa. *South African Journal of Science* 99: 201-206.
- STEINKE, T.D., LUBKE, R.A. AND WARD, C.J. 2003
The distribution of algae epiphytic on pneumatophores of the mangrove, *Avicennia marina*, at different salinities in the Kosi system. *South African Journal of Botany* 69: 546-554.
- STEINKE, T.D. and LUBKE, R.A. 2003
Arenicolous marine fungi from Southern Africa. *South African Journal of Botany* 69: 540-545.
- KNEVEL, I.C; AND LUBKE, R.A. 2004
Reproductive phenology of *Scaevola plumieri*; a key coloniser of the coastal foredunes of South Africa. *Plant Ecology* 175: 137-145.
- LUBKE R.A. 2004
Vegetation Dynamics and Succession on Sand Dunes of the Eastern Coasts of Africa In: Martinez, M.L. and Psuty, N.P. (Eds.) *Coastal Dunes; Ecology and Conservation (Ecological Studies; vol. 171)* Springer-Verlag, Berlin.
- MARTINEZ, M.L., PSUTY, N.P. and LUBKE R.A. 2004
A Perspective on Coastal Dunes. In: Martinez, M.L. and Psuty, N.P. (Eds.) *Coastal Dunes; Ecology and Conservation (Ecological Studies; vol. 171)* Springer-Verlag, Berlin.
- VAN EEDEN, J.D., LUBKE, R.A. AND HAARHOFF, P. 2007.
Return of Natural, Social and Financial Capital to the hole left by mining. In: Aronson, J., Milton, S.J. and Blignaut, J.N. (eds.) *Restoring Natural Capital: Science, Business and Practice*. Island Press, Washington. Pp. 198 – 207.
- LUBKE, R.A. 2012
Restoration of dune ecosystems following mining in Madagascar and Namibia: contrasting restoration approaches adopted in regions of high and low human population density. Martínez, M. L, Gallego-Fernández, J.B. and Hesp, P.A. (eds.) *Restoration of Coastal Dunes*. Springer Series on Environmental Management. (in press).

OTHER PUBLICATIONS INCLUDING POPULAR & REVIEW ARTICLES

- LUBKE, R.A. 1985
Estuaries and Estuarine Plants of the Eastern Cape Coast. *The Naturalist* 29: 19-22.
- LUBKE, R.A. 1985
Environmental planning - the key to optimising the use of our natural resources. *The Naturalist* 29: 29-33.

- LUBKE, R.A. 1986
East London: Conservation in an Urban Environment. *The Naturalist* 30: 3.
- LUBKE, R.A. & STRONG, ALISON. 1986
The vegetation of the proposed Coastal National Botanic Garden for East London. *The Naturalist* 30: 43-49.
- LUBKE, R.A. 1986
Of highways and bypasses. *Landscape South Africa* 1: 18-20.
- LUBKE, R.A. & BURNS, M.E.R. 1986
Succession and zonation in the East London dune forests. *The Naturalist* 30(3): 38-44.
- LUBKE, R.A. & AVIS, A.M. 1986
Stabilization and management of coastal sand dunes. Coastal Information Pamphlet No. 1, Rhodes University, Grahamstown.
- LUBKE, R.A. 1987
Living along the shoreline. Protect your coastal property the natural way. Garden & Home, November 1987.
- LUBKE, R.A. 1987
The Humewood Golf Course Kiewietjies. *The Naturalist* 31(3) 25-27.
- LUBKE, R.A. 1987
Mistletoes: Field and laboratory experiments. *Archimedes* 29(3): 2-4
- LUBKE, R.A. (Ed). 1987
’n Loopbaan in Plantkunde. *Archimedes* 29(3) 25-26.
- LUBKE, R.A. (Ed) 1987.
Research in the Plant Sciences at Rhodes University. *Archimedes* 29(3) 19-23
- LUBKE, R.A. 1988
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The ecology of coastal regions. In: Lubke, R.A., Gess, F.W. and Bruton, M.N. (Eds). A Field Guide to the Eastern Cape Coast. Grahamstown, Wildlife Society.
- LUBKE, R.A., GESS, F.W. and BRUTON, M.N. (Eds). 1988
A Field Guide to the Eastern Cape Coast. Grahamstown, Wildlife Society of Southern Africa.
- LUBKE, R.A. 1988
Die bekamping van felle kustoestande. *Veld and Flora* 74: 6-9.
- LUBKE, R.A. & AVIS, A.M. 1988
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- LUBKE, R.A. & LA COCK, G. 1988.
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- LUBKE, R.A. & LA COCK, G. 1988.
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- LUBKE, R.A., WIRMINGHAUS, J.O. & COUSINS, R. 1988
Studies on the Round Hill Oribi Reserve, Eastern Cape. The Naturalist, 32: 34-41.
- LUBKE, R.A. 1990.
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- LUBKE, R.A. & DE VILLIERS, G. 1990
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- LUBKE, R.A. 1991
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- LUBKE, R.A. (ed) 1992
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- LUBKE, R.A. & AVIS, A.M. 1993
The Coastal Environment as a resource for teaching field work to large classes. Enviro Teach. No. 1 1993: 26-28.
- LUBKE, R.A. 1993.
Dredging the Bushmans. S.A. Commercial Marine. 2(1) 24-27.
- LUBKE, R.A. 1994
Marram vs. Dunes. S.A. Commercial Marine. 3(4): 24-25. 1994.
- LUBKE, R.A. 1994
Public participation and Coastal zone management. The Naturalist. 38: 34-35.
- LUBKE, R.A. & BRITZ, P. 1994.
Development or Desecration. South Africa Commercial Marine. 3(1): 14-20.
- LUBKE, R.A. & JUDD, R. 1994.
The Potters Pass Nature Reserve. Veld & Flora. 80(1): 14-16.
- LUBKE, R.A. 1995
Coastal Resources Cape Coastwatch. S.A. Commercial Marine. 4(1): 14-15.
- LUBKE, R.A. 1995
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- LUBKE, R.A. 1995
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4x4s and dune buggies. Cape Coastwatch. S.A. Commercial Marine 5(2): 22-23.
- LUBKE, R.A., AND DE MOOR, I. The Field Guide to the Eastern and Southern Cape Coasts. (eds) 1998 U.C.T. Press, Cape Town.
- LUBKE, R.A. Descriptions of the coastal regions (chapter 1).
- LUBKE, R.A., & Siegfried, S.C. Marine Algae (chapter 6).
- LUBKE, R.A. Marine and rocky shore ecology (chapter 11).
- LUBKE, R.A. & McLachlan, A. Sandy beach ecology (chapter 12).
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Effect of trampling on coastal grassland and coastal thicket at Kwaihoek, Eastern Cape, South Africa. Bontebok.
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CONTRIBUTIONS TO ENVIRONMENTAL REPORTS

- Bohlweki 2002 N2 Wild Coast Toll Road between East London (Eastern Cape) and Durban (KZN): Environmental Scoping Study Report. Bohlweki Environmental (Pty) Ltd (Compilers), Midrand, Guateng.
- LUBKE R.A. and VROMANS, D. 2002 Flora and Vegetation In: Bohlweki Environmental (eds.)
- N2 Wild Coast Toll Road between East London (Eastern Cape) and Durban (KZN): Environmental Impact Report. Volume 2: Specialist Studies. Book 1: Ecological Assessment. Bohlweki Environmental (Pty) Ltd (Compilers), Midrand, Guateng.
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- N2 Wild Coast Toll Road between East London and Durban: Report 2: Environmental Impact Report Volume 2: Specialist Studies. September 2002.

CONFERENCE PROCEEDINGS

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- KNEVEL, I.C., R.A. LUBKE AND VAN DER PUTTEN W.H. 2005.
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The contribution of spontaneous restoration of industrial slimes effluent dams to closure at the Umbogintwini industrial complex, near Durban, South Africa. Proceedings of the 3rd Mine Closure Conference, Johannesburg, South Africa.

LIST OF POST-GRADUATE STUDENTS UNDER MY SUPERVISION

- B.SC. (HONOURS) Numerous students have done a course and projects under my supervision over the past 30 years.
- M.SC. DEGREES
 - S. Pierce The contribution of *Spartina maritima* (Curtis) Fernald to the primary 1977-1979 production of the Swartkops estuary.
 - G.D. Court A taxonomic study of the genus *Fockea*. 1979-1982
 - A.R. Palmer A study of vegetation of the Andries Vosloo Kudu Reserve 1979-1982
 - H. Minnaar A study of germination and flowering in *Chicoriurn intybus* L. 1979-1982
 - D.A. Everard The conservation status of some unique plant communities 1984-1986 in the Eastern Cape.
 - M.E.R. Burns a synecological study of the East London coastal dune forests. 1983-1986
 - C.D. Hobson Environmental effects associated with *Atriplex nummularia* 1987-1990 (Oldman saltbush) planting in the Karoo.
 - F.A. Roux The influence of the composition of mixed Karoo vegetation on 1989-1993 the grazing habitat of Merino and Dorper wethers.
 - J. Moll A study of rehabilitation following dredge-mining in the 1990-1991 Richards Bay area.
 - G. La Cock Factors affecting the regeneration of shrub species in the valley 1990-1991 bushveld of the Eastern Cape.
 - C. Todd The seed biology of selected dune pioneer species in the Mtunzini 1991-1994 dune system.
 - G. Hellström A predictive management algorithm to determine the sensitivity 1991-1994 of coastal dune systems.
 - Webb A holistic approach to coastal dune dynamics and management at 2000- 2002 Bushman's River Estuary, Kenton-on-Sea.
 - Pote The opportunity and constraints regarding the home garden cultivation 2003 -2005 of indigenous medicinal plant species in the King William's Town area, South Africa.
 - D. van Eeden Cost-effective, post closure environmental restoration of open cast mine in a semi-arid environment on the West Coast of South Africa. 2007 – 2010.

- PH.D. DEGREE
F.M. Thatcher A study of the vegetation established on mine dumps of the 1973-1979 Witwatersrand.
- S.R. Russell Bryophyte productivity on Marion Island. 1975-1990
- A.R. Palmer Phytosociological mapping of Karoo using remote sensing techniques. 1982-1988
- J.L.F. Kock Statistical quality control of a pineapple canning factory. 1983-1985
- A.M. Avis Coastal management and stabilization of mobile dune systems. 1983-1992
- T.R. Hill Contemporary pollen spectra from the Natal Drakensberg and their 1988-1992 relation to associated vegetation communities.
- R.A.Judd Phytosociology and dynamics of coastal grasslands between 1992-2000 Woody Cape and the Kei River.
- U.M.Hertling An autecological study of *Ammophila arenaria* and alternative 1994-1997 indigenous species used in dune stabilization on the Cape coast.
- I.C. Knevel The life history of selected coastal foredune species of South Africa. 1998-2001

CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

PROFESSOR ROY ALLEN LUBKE

Date: September 2019