

## **DR. CHANTEL BEZUIDENHOUT**

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Date of Birth: 11 March 1978  
Languages: Afrikaans, mother tongue  
English, excellent

### **QUALIFICATIONS**

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- B.Sc. (Botany, Geography)
- B.Sc.(Hons)(Botany: Ecology, Environmental Management, Geographic Information Systems)
- M.Sc. (Botany: Estuarine Ecology)
- PhD (Botany: Estuarine Ecology)

### **FIELDS OF RESEARCH**

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- Third year project:
  - The Extraction of Agar from Macrophytes
- Honours projects:
  - The Management of Phragmites australis in the Mcantsi Estuary
  - Assessing the PE Metropolitan Open Space Systems (MOSS) and assigning a conservancy score for the Port Elizabeth Municipality (PEM)
- Masters project:
  - Diatoms as indicators of water quality in estuaries
- PhD project:
  - Macrophytes as indicators of physico-chemical factors in South African estuaries

### **OTHER STUDIES AND WORKSHOPS**

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- The Biodiversity Planning Forum. Mpekweni Beach Resort, Eastern Cape. (March 2008)

### **PUBLICATIONS AND CONFERENCES**

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- Adams, J.B., Bornman, T.G. and Bezuidenhout, C. 2005. Specialist Report: Macrophytes. Olifants / Doring catchment. Ecological Water Requirements study, Olifants Estuary. Report submitted to CSIR, Environmentek, Stellenbosch. 39pp.
- Bezuidenhout, C., J.B. Adams and Bornman, T.G. 2005. Specialist Report: Macrophytes. Kromme Estuary Resources Directed Measures Study. Report submitted to the CSIR on behalf of the Department of Water Affairs and Forestry. 61pp.
- Bornman, T.G., Adams, J.B. and Bezuidenhout, C. 2004. Present status of the Orange River mouth wetland and potential for rehabilitation. Prepared for

Working for Wetlands, South African National Biodiversity Institute. Nelson Mandela Metropolitan University. IECM Research Report No. 43. 54 pp.

- Bornman, T.G., Adams, J.B. and Bezuidenhout, C. 2004. Adaptations of salt march to semi-arid environments and management implications for the Orange River mouth. Transactions of the Royal Society of South Africa 59(2): 125-131.
- Bornman, T.G., Adams, J.B. and Bezuidenhout, C. 2005. Salt marsh characteristics and freshwater requirements of a cool temperate versus a warm temperate estuary. 12th Southern African Marine Science Symposium. Durban, Kwazulu-Natal.
- UPE Departmental Seminars: Extraction of Agar from Macrophytes (1999); The Application of National Legislation in the Management of and Conservation of Estuaries (2000); The Management of Phragmites australis in the Manti Estuary (2000); Assessing the PE Metropolitan Open Space Systems (MOSS), and assigning a conservancy score for the PEM (2000).

## **CAREER BIOGRAPHY**

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### **October 2011 – Present**

- Senior Environmental Consultant with Coastal & Environmental Services

### **February 2008 – September 2011**

- Environmental Consultant with CEN Integrated Environmental Management Unit

### **February 2000 – November 2006**

- Botany Department Practical demonstrator, Nelson Mandela Metropolitan University (South Campus).
- Field Research Assistant for research projects conducted in the Botany Department, Nelson Mandela Metropolitan University (South Campus).

### **February 2002 – November 2002**

- Research Assistant in the Botany Department, Nelson Mandela Metropolitan University (South Campus).

### **February 2001 – August 2001**

- Auxillary worker for the Western District Council.

### **Specialisation in Firm:**

Environmental Impact Assessment, Estuarine and Saltmarsh Ecology

## RECENT EXPERIENCE – COASTAL & ENVIRONMENTAL SERVICES

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- Scoping Report for the proposed residential development at the existing golf course in Grahamstown, Eastern Cape Province of South Africa (2011).
- Scoping Report for the proposed golf course development at Belmont Valley, Grahamstown, Eastern Cape Province of South Africa (2011).

## PREVIOUS EXPERIENCE

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- CEN Integrated Environmental Management Unit: (2008) Basic Assessment for the proposed establishment of 2 jetties, improvement of the existing, licensed slipway and stabilization of the river banks on Portion 12 of the Farm Nocton 441 (Gamtoos ferry Hotel). (Port Elizabeth, Eastern Cape Province)
- CEN Integrated Environmental Management Unit: (2008) Basic Assessment for the proposed establishment of a Town Lodge Hotel on Erf 2150, Summerstrand. (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2008) Basic Assessment for the proposed Rezoning and Subdivision of Erf 10501 and the remainder of Erf 5023, Walmer, Nelson Mandela Metropolitan Municipality, for the purpose of establishing a residential development. (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2008) Basic Assessment for the proposed rezoning and the establishment of a hospital and associated infrastructure and facilities on a portion of the remainder of Erf 1226, Fairview, Port Elizabeth, Eastern Cape. (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2008) Basic Assessment for the proposed rezoning of Portion 1 of the Farm Bucklands (No. 108), the Farm SchrikwatersPoort (No. 109) and the remainder of the farm Bucklands (No. 108) for the development of a Luxury Lodge, Makana Municipal Area, Eastern Cape. (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2008) Basic Assessment for the proposed subdivision of Erf 2686, Parsonsvele for a Residential Development Port Elizabeth, Eastern Cape. (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2008) Basic Assessment for the proposed subdivision of Erf 2687, Parsonsvele for a Residential Development, Port Elizabeth, Eastern Cape. (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2008) Environmental Assessment for the proposed Rezoning and Subdivision of Portions 22 and 40 of the Farm Witteklip No 466, Nelson Mandela Bay Municipality. (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2009) Environmental Assessment for the proposed subdivision of the remainder of Erf 1226, Fairview, Port Elizabeth, Eastern Cape for a Residential Development. (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2009) Basic Assessment for the establishment of a new 2.5 Ml Kruisfontein Reservoir on Erf 2088 and a

portion of the remainder of Erf 2, Humansdorp, Kouga Municipality, Eastern Cape. (Port Elizabeth, Eastern Cape)

- CEN Integrated Environmental Management Unit: (2009) Basic Assessment for the proposed extension of an existing 36m lattice mast to a 46m lattice mast on Erf 8917, Uitenhage, Nelson Mandela Bay Municipality, Eastern Cape. (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2009) Basic Assessment for the proposed extension of an existing 36m lattice mast to a 46m lattice mast of Erf 1296, Summerstrand, Port Elizabeth, Eastern Cape. (Port Elizabeth, Eastern Cape).
- CEN Integrated Environmental Management Unit: (2009) Basic Assessment for the proposed extension of an existing 36m lattice mast to a 56m lattice mast on Erf 1345, Walmer, Port Elizabeth, Eastern Cape. (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2009) Basic Assessment for the proposed rezoning and subdivision of a portion of Erf 1721, Aberdeen, Camdeboo Municipality, Eastern Cape to develop subsidized housing and related community facilities (Lotusville Extension). (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2009) Basic Assessment for the proposed rezoning and subdivision of a portion of Erf 1721, Aberdeen, Camdeboo Municipality, Eastern Cape to develop subsidised housing and related community facilities (Thembalesizwe Extension). (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2009) Basic Assessment for the proposed stabilization of the river banks on Portion 2 of the Farm Nocton 441 (Adjacent to the Gamtoos Ferry Hotel). (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2010) Environmental Impact Assessment for the proposed construction and upgrading of the new Glen Hurd Road as well as the construction of the Baakens River Bridge, Port Elizabeth, Eastern Cape. (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2010) Environmental Impact Assessment for the proposed subdivision of the remainder of Erf 982, Parsonslei, Port Elizabeth, Eastern Cape for a residential development. (Port Elizabeth, Eastern Cape)
- CEN Integrated Environmental Management Unit: (2010) Environmental Impact Assessment for the proposed rezoning and subdivision of erven 1070, 409 and the remainder of Erf 385, Theescombe, Port Elizabeth, Eastern Cape for a residential development. (Port Elizabeth, Eastern Cape)