

**CURRICULUM VITAE  
JO-ANNE THOMAS**

Profession : Environmental Consultant  
Specialisation : Strategic environmental assessment and advice; project management and co-ordination of environmental projects; environmental compliance monitoring; Environmental Impact Assessment; environmental management; peer review; policy, strategy and guideline formulation; renewable energy projects, hydrology and water management  
Work experience : 12 years

**SKILLS BASE AND CORE COMPETENCIES**

- Twelve years experience in the environmental field
- Project management for a range of environmental processes undertaken for development projects
- *Identification and assessment of potential negative environmental impacts and benefits through the review and manipulation of data*
- Working knowledge of environmental planning processes, policies, regulatory frameworks and legislation
- *Identification of practical and achievable mitigation and management measures and the development of appropriate management plans*
- Compilation and review of environmental reports in accordance with relevant environmental legislative requirements
- Formulation of environmental policies, strategies and guidelines
- Undertaking public participation processes for a variety of projects
- Providing strategic environmental advice to a wide variety of clients both in the public and private sectors
- Registered Professional Natural Scientist (Registration No 400024/00)

**TERTIARY EDUCATION**

- 1993, BSc (Earth Sciences), University of the Witwatersrand
- 1994 BSc Hons (Botany), University of the Witwatersrand
- 1996, MSc (Botany), University of the Witwatersrand

**EMPLOYMENT HISTORY**

- 2006 – present: Savannah Environmental (Pty) Ltd: Director; Environmental Scientist
- 1997 – 2005: Bohlweki Environmental (Pty) Ltd: Environmental Scientist

**SELECTED RELEVANT PROJECT EXPERIENCE**

- EIAs and EMPs for various wind energy facility developments across South Africa
- EIAs and EMPs for various solar energy developments across South Africa
- Site selection for various development projects as part of Environmental Impact Assessment processes for various projects throughout South Africa
- Opportunities and constraints assessment for various development projects as part of Environmental Impact Assessment processes for various projects throughout South Africa
- EIAs and EMPs for various projects throughout South Africa

**CURRICULUM VITAE  
CHEDA SHEILA MUNIONGO**

Profession : Environmental Consultant  
Specialisation : Environmental Management  
Years experience : 2 years

**KEY RESPONSIBILITIES**

- Providing consulting services to clients for Environmental-related matters.
- Conducting Environmental Impact Assessment (EIA) processes.
- Preparation of EIA reports.
- Creation of maps for various EIA projects

**SKILLS BASE AND CORE COMPETENCIES**

- Report Writing
- Site Investigation
- Project Management
- Co-ordinating and conducting Public Involvement processes.
- Preparing maps (using ArcGIS)

**EDUCATION AND PROFESSIONAL STATUS**

- BSc (Geography & Environmental Management) obtained from the University of Johannesburg in 2008.
- (Hons) (BSc) (Environmental Management) obtained from the University of South Africa in 2010.

**EMPLOYMENT**

1. June 2008 – January 2011

Name of Employer: Shango Solution

Position: GIS Consultant

2. February 2011 – May 2012

Name of Employer: Fourth Element Consulting

Position: Assistant EIA and GIS Practitioner

3. September 2009 – Present

Name of Employer: Savannah Environmental

Position: EIA and GIS Consultant

**PROJECT EXPERIENCE**

- BA for Hillside 132kV substation and power line project, near Middelburg Mpumalanga Province
- BA for Simthabi 132kV substation and power line project, near Thabazimbi Limpopo
- BA for Thabatsipi 132kV substation and power line project, near Thabazimbi Limpopo
- EIA for Roodepoort Strengthening 400kV substation 400kV power lines, near Roodepoort Gauteng
- BA for Avalon Cemetery Extension, in Soweto Gauteng
- BA for Dinaledi-Spitskop Deviation 400kV power line project, near Mogwase North West Province
- EIA for proposed Merapi Solar Energy Facility, near Excelsior Free State
- EIA for proposed Sannaspos Solar Energy Facility, near Bloemfontein Free State

## CURRICULUM VITAE

MARIANNE STROHBACH

Profession : Specialist Scientist  
Specialisation : Plant Ecology and Botany, with special reference to vegetation mapping, vegetation state assessment, dynamics of arid and semi-arid vegetation and population dynamics of harvested plants, conservation planning  
Years experience : Twenty (20) years active in Plant Ecology

### KEY RESPONSIBILITIES

- *Ecological assessments for BA, EIA and related purposes*
- *Plant rescue plans, Revegetation and Rehabilitation plans*

### SKILLS BASE AND CORE COMPETENCIES

- Four years Plant Conservation (Namibia)
- 16 years active research in vegetation mapping, vegetation state assessment, vegetation and plant population studies, long-term vegetation monitoring, remote sensing and GIS applications for vegetation mapping
- Ecological assessments for BA, EIA and related purposes
- Ecological restoration
- Long-term environmental monitoring
- Completed projects in several Provinces of South Africa, as well as Zimbabwe and Namibia

### EDUCATION AND PROFESSIONAL STATUS

#### **Degrees:**

2003 M.Sc. in Botany, University of Pretoria, Pretoria

1991 B.Sc. Hons in Botany, Nelson Mandela Metropolitan University, Port Elizabeth

1990 B.Sc. in Biological Sciences, Nelson Mandela Metropolitan University, Port Elizabeth

#### **Courses:**

2008 Landscape Functional Analysis for vegetation condition and restoration monitoring

2002 Satellite Image Analysis for Vegetation Mapping, German Aerospace Centre (DLR) Cologne, Germany

1994: Methods and Techniques of Environmental Management, Deutsche Stiftung für Internationale Entwicklung, Berlin

1993 Conservation Law Enforcement, Ministry of Environment and Tourism, Namibia

#### **Professional Society Affiliations:**

South African Association for Botanists

Association of Desert Net International

The South African Council for Natural Scientific Professions: Pr. Sci. Nat. Reg. No. 400079/10 (Botany and Ecology)

### EMPLOYMENT

Current: Ecologist, Savannah Environmental (Pty) Ltd

2011: Lecturer, Plant Ecology, University of Pretoria

1997 -2010: freelance vegetation ecologist, involved in part-time positions and contractual research

1999 to 2001: Assistant curator at the Swakopmund Museum

1995 to 1996: Agricultural Researcher at the National Botanical Research Institute, Windhoek, Namibia

1992 to 1995: Vegetation Ecologist at the Ministry of Environment and Tourism, Namibia, Directorate of Scientific Services

### PROJECT EXPERIENCE

2001 – 2010: contractual work with BIOTA (BIOdiversity Transect analysis in Africa)

2006: CITES Authority, Plants, International Standard for the Sustainable Wild Collection of Medicinal & Aromatic Plants

2004: Desert Research Foundation Namibia: Vegetation description and mapping of the Namibian Eastern Communal Areas

1997 to 2010: CRIAA-SADC: *The Sustainably Harvested Devil's Claw Project, Pilot Devil's Claw cultivation trials, Namibian National Devil's Claw Situation Analysis*

Langer Heinrich Uranium Pty (Ltd): Central Namib Desert, Namibia: EIA for mining

University of Namibia, Hentiesbay Research Centre: West Coast, Namibia: EIA for shoreline research facility

Sasol – Limpopo Province: EIA for mining and industrial development

EcoAgent – Northern Cape, Eastern Cape, Limpopo and Mpumalanga: EIA for renewable energy and mining development

Namwater – Karst aquifers, north-central Namibia: EIA for water-abstraction

ENVASS – Northern Cape: EIA for renewable energy development

Savannah Environmental – Northern Cape, Eastern Cape: BA, EIA and pre-commencement investigations, EMP development

## CURRICULUM VITAE

Nkosinathi Tomose

**Profession** : Professional Archaeologist (CRM accredited by ASAPA) and General Heritage Specialist  
**Specialisation** : Development applications, Heritage Project Management, Heritage Impact Assessments  
**Work experience** : Freelance Cultural Resources Manager; Project management of Heritage (Scoping, HIAs ; Notices for Intent to Develop)  
Management of document pathway through SAHRA and other heritage authorities ( e.g. permit applications)  
2009-2010: Cultural Heritage Officer, South African Heritage Resources Agency  
2010-2012 PGS Heritage & Grave Relocation - Archaeologist & Heritage Specialist  
Present Zone Land Solutions - Archaeologist & Heritage Specialist

### HIGHLIGHTS, SKILLS BASE AND CORE COMPETENCIES

Highlights:

In September 2004, I was chosen as one of the two students from Wits University Archaeology Department to form part of the Rock Art Research Institute delegate to France; a trip aimed at strengthening collaborative relations between the Centre National De La Recherche (CNRS) and the Rock Art Research Institute, University of the Witwatersrand. During this trip I learnt that, in order to best manage, conserve and promote heritage it is best to develop collaborative relations and partnerships in order to achieve your objectives a model used by the French Ministry of Culture in association with different research institutions. Highlight: In October 2009, I received an all expense travel grant from the National Department of Science and Technology, Republic of South Africa in association with Wits University Archaeology, based on my expertise as heritage manager, to attend a conference in Beijing, China, in commemoration of the 80th anniversary of the discovery of the first skull of Peking Man. During the conference, I presented a paper titled; Challenges and Opportunities in Managing a Public Heritage Site: A Case of the Cradle of Humankind World Heritage Site (COHWHS), Gauteng and North West Province, South Africa. (Grant holder: Dr K Kuman, Senior Lecture, Wits University).

I also developed necessary skills and expertise in the various sectors of heritage and heritage management which I think qualifies me to recommend myself as a General Heritage Specialist. The other key skills that I have acquired to excel in this field are:

- Project Manager management of heritage and grave relocation projects
- Finds manager responsible for management of finds and materials from heritage and archaeological mitigation
- Social Facilitator – consulting with families and communities directly affected by grave relocations and heritage related projects.
- Management of document pathway through SAHRA and other heritage authorities

### TERTIARY EDUCATION

- » University of the Witwatersrand, Johannesburg, South Africa. Master of Science (M.S.c) in Rock Art Studies (Archaeology & Heritage Management)
- » Bachelor of Science (B.S.c) Honours in Archaeology
- » Bachelor of Arts in Humanities Major courses: Archaeology & Geography.

Auxiliary courses: Anthropology, Sociology & Geology

Professional Memberships

- 2.1. Since 2006 Professional Member of the Association of SA Professional Archaeologists
- 2.2. 2007 - Committee Member – ASAPA Archaeology Transformation Committee
- 2.3. CRM Accredited Archaeologist: Field Supervisor- Iron Age, Rock Art & Grave Relocation
- 2.4. Amafa Registered Professional Archaeologist & General Heritage Specialist

### SELECTED RELEVANT PROJECT EXPERIENCE

- » Solar power surveys Droogefontein and in Kakamas in the Northern Cape
- » Proposed Extension of Existing Firgrove MTS Substation Upgrade Heritage Western Cape

## **CURRICULUM VITAE**

**[Job M. Kibii]**

Profession : Researcher  
Specialisation : Zooarchaeology and Palaeoanthropology  
Years experience : 12

### **KEY RESPONSIBILITIES**

1. Conducting research in Zooarchaeology and Palaeoanthropology
2. Teaching archaeological field and excavation techniques.

### **SKILLS BASE AND CORE COMPETENCIES**

1. Taxonomist
2. Taphonomist
3. Palaeoanthrop[ologist]

### **EDUCATION AND PROFESSIONAL STATUS**

***Degrees: PhD***

***Courses: Palaeoanthropology and Palaeoarchaeology***

#### ***Professional Society Affiliations:***

1. Association for Southern African Professional Archaeologists (ASAPA)
2. Paleoanthropology Society
3. Panafrican Archaeological Association for Prehistory and Related Studies
4. American Association of Physical Anthropologists

### **EMPLOYMENT**

2009-Current: Researcher; Institute for Human Evolution, University of the Witwatersrand.

## **CURRICULUM VITAE**

### **TONY BARBOUR**

*Environmental Consultant and Researcher*

#### **SKILLS BASE AND CORE COMPETENCIES**

- More than 18 years experience in the field of environmental management.
- Undertaken 20 Social Impact Assessments (SIA) for EIAs commissioned by the Department of Environmental Affairs and Development Planning (DEA&DP).
- Developed SIA guidelines for DWAF.
- Worked experience in South Africa, Botswana, Namibia, Zambia, Lesotho and Swaziland.

#### **TERTIARY EDUCATION**

- BSc (Geology and Economics) Rhodes, 1984
- BEcon (Hons) Rhodes, 1985
- MSc (Environmental Science) University of Cape Town, 1992

#### **EMPLOYMENT HISTORY**

- Private consultant: November 2004 – present
- UCT: August 1996- October 2004. Environmental Evaluation Unit, Senior Environmental Consultant and Researcher.
- 1991-1996: Ninham Shand Consulting, Cape Town. Senior Environmental Scientist
- 1996-2000; SRK Consulting, Associate Director, Cape Town
- 1990- Current: Lecturer, UCT and Cape Technikon, Environmental Economics, SIA, SEA, EIA and Waste Management.

#### **SELECTED RELAVANT PROJECT EXPERIENCE**

- SIA for the Darling Wind Farm, Western Capr (2001-2002).
- Portnet Saldanha, EIA for the expansion of a bulk iron ore exporting facility at the Port of Saldhana (2000).
- SIA for road upgrade between Gansbaai and Bredadorp (2005)
- SIA for Zeekoevlei Golf Estate, Somerset West (2005)
- SIA for Silwersand Golf and Resort Estate, Robertson, Western Cape (2003)
- Internal Review consultant for Golder Associates on Namakwa Sands Heavy Mineral Mining EIA (current).
- Review of EIA for Zeekoevlei Golf Course Estate, Somerset West (2005)
- Review of EIA for Oostenberg Waste Transfer Station, Brackenfell, Western Cape (2004)
- Review of EIA for N7 Road upgrade, Clanwilliam, Western Cape (2002).

## CURRICULUM VITAE

CHRIS J VILJOEN

Profession : Soil Scientist  
Specialisation : Soil Surveys, Soil Pollution Investigations, Soil Remediation, Geotechnical Assessments  
Years experience : Twenty Four (24) years active in Soil Science

### KEY RESPONSIBILITIES

- *Baseline soil surveys & wetland delineations for EIA and EMPR*
- *Soil contamination assessments and formulation of cost effective remediation strategies for rehabilitation and closure purposes.*
- *Geotechnical assessments for site selection, e.g. tailings dams, residential developments, etc.*

### SKILLS BASE AND CORE COMPETENCIES

- 5 years research soil chemical & physical related projects, laboratory technician routine soils laboratory.
- 3 years specialist fertiliser recommendations to commercial farmers, research on soil chemical & physical related projects, general management of routine and research soils laboratory.
- 2 years management of operational activities during rehabilitation of gold tailings dams, initiation of consulting group focussed on rehabilitation and mine closure.
- 3 years financial management consulting group, conduct soil investigations encompassing surveys, contamination assessments, remediation and rehabilitation with focus on mine closure market.
- 11 years soil surveys, geotechnical assessments, soil contamination assessments & remediation, rehabilitation of gold slimes dams, coal discard dams, industrially polluted areas & effluent evaporation dams, footprint of gold tailings dams, stabilisation of ecologically eroded sites, specialised wetland delineations.
- Completed projects in several Provinces of South Africa, as well as Zimbabwe, Zambia, Denver USA, Australia and Madagascar.

### EDUCATION AND PROFESSIONAL STATUS

#### **Degrees:**

1996 M.Sc. Soil Science , PU for CHE, Potchefstroom  
1992 B.Sc. Honns in Soil Science, PU for CHE, Potchefstroom  
1990 B.Sc. in Soil Science and Botany, PU for CHE, Potchefstroom

#### **Courses:**

2002: Soil Water Balance Irrigation Management, Inorganic Soil Chemical Modelling, UP.  
1997: Principles & Practice of Environmental Management: An Introduction, PU for CHE.  
1996: Introduction of rehabilitation of disturbed areas, PU for CHE.  
1995: Laboratory Management, Technikon Pretoria.  
1994: Strategic Farming Planning, Department Of Agriculture.  
1994: Resource Identification and Utilisation, Department Of Agriculture.  
1992: Turf grass management, Technikon Pretoria

#### **Professional Society Affiliations:**

Soil Science Society Of South Africa.  
Grassland Society Of South Africa.  
Environmental Earth Science Group.  
International Erosion Control Association.  
South African Council for Natural Scientific Professions: Pr. Sci. Nat. Reg. No. 4000131/96 (Earth Science)

### EMPLOYMENT

2001 to date: Viljoen Associates, Managing Member.  
1998 -2001: Envirogreen Consulting (Pty) Ltd, Director.  
1996 to 1998: Envirogreen (Pty) Ltd, Operational Project Manager & Consultant.  
1993 to 1996: Department Of Agriculture, Soil Scientist & Soils Laboratory Manager.  
1988 to 1993: Department Of Soil Science PU for CHE, Research Assistant.

### PROJECT EXPERIENCE

#### **AECI South Africa**

Kynoch inorganic & organic soil contamination assessment

#### **Aflease (Pty) Ltd Klerksdorp, South Africa**

Analyses and interpretation of analytical data

**African Chrome (Pty) Ltd South Africa**

Pedo-chemical assessment of Cr contaminated soils to determine potential soil remediation strategies

**African Innovative Solutions & Projects Zimbabwe**

Mbada Diamond Mine Slimes Dam Geotechnical Assessment

**African Mining Consultants (Pty) Ltd Zambia**

Pedo-chemical assessment of organically and inorganically polluted soils and formulation of sustainable, cost effective remediation strategies for Konkola Copper Mines

**Alan Robinson Civil & Geotechnical Consulting Engineers South Africa**

Fertiliser specifications for establishment and maintenance: Chris Hani Sport Complex

Pedo-Chemical Assessment of NCP Chlookop Area 1

**Amplats South Africa**

Western Limb Tailings Soil Survey

**Anglocoal South Africa**

Greenside station colliery baseline soil survey

**Anglogold Ashanti Klerksdorp, South Africa**

Tao Lekoa Inorganic Soil Contamination Assessment around Gold Tailings Dam

**Anglogold Free State Division South Africa**

Specialist inputs to the conceptual closure plan for the Anglogold Free State North No. 6 tailings dam

**Anglogold Vaalriver South Africa**

Pedo-Geochemical Assessment of contaminated area adjacent ARM No. 2#

Closure: Inorganic Soil Contamination Assessment Area VR1

Closure: Inorganic Soil Contamination Assessment Areas VR1 B, D

Closure: Inorganic soil contamination assessment VR1 Area H

Closure: Inorganic soil contamination assessment VR1 Areas B – H

West complex Mispah soil survey

Soil chemical cost benefit remediation modelling

Mispah soil survey

No. 8 Uranium Plant Inorganic Soil Contamination Assessment

Swanepoel Dam Rock Terrace Soil Assessment

WAFU Plant inorganic soil contamination system

15 x 4m Water monitoring boreholes

**Anglogold West Wits Operations South Africa**

Interpretation of soil chemical data to assess potential of utilising water from return water dams for establishing vegetation on Deelkraal tailings dams

General interpretation of historical soil chemical data

Soil chemical assessment of farmers property irrigating with inorganically contaminated effluent water

Inorganic soil contaminations assessments of units Soil A-H

Magnum Farm inorganic soil contamination assessment

Northwest inorganic soil contamination assessment

West Wits 2ha topsoil assessment for rehabilitation purposes

Shopping complex 8ha screening soil contamination assessment

Domein 3 390ha topsoil assessment for rehabilitation purposes

New North complex 66ha inorganic soil contamination assessment

Old North complex 15ha inorganic soil contamination assessment

Domein 3 6ha topsoil erosion assessment

Soil chemical cost benefit remediation modelling



## **CURRICULUM VITAE**

### **JACQUES LOUIS VOLSCHENK**

**Profession:** Town and Regional Planner (SACPLAN registration No. A/208/2010)

**Specialisation :** Town Planning-related applications, Project Management, Visual Impact Assessments

**Work experience :**

- 1 year in-service training at the City of Cape Town (1999)
- 10 years' experience in a leading integrated Town and Regional Planning Firm – Dennis Moss Partnership Urban Design
- Zone Land Solutions – Specialist Visual Impact Assessment

### **SKILLS BASE AND CORE COMPETENCIES**

During my tenure as Professional Town Planner, I have been exposed to a wide range of projects within the realm of the planning profession. This enabled me to develop certain interests for which specific skills and tools have been acquired throughout the years.

To this extent, I find the field of development planning particularly interesting and challenging. The manner in which I have experienced development planning, require of a planner to perform a multitude of functions in a development process, key of which is a coordinating and managing role. The skills set needed to be successful in the profession also enabled me to expand my capabilities and into the realm of GIS-based visual assessments. The other key skills that I have acquired to excel in this field are:

- Development coordination and facilitation,
- Project management,
- Preparation of land development plans and report writing,
- Integrated environmental management, and
- Planning research.

### **TERTIARY EDUCATION**

- Cape Peninsula University of Technology (previously Cape Technikon), Cape Town. ND: Town and Regional Planning. 2000
- Cape Peninsula University of Technology, Cape Town. BTech: Town and Regional Planning. 2001

### **EMPLOYMENT HISTORY**

Refer above.

### **SELECTED RELAVANT PROJECT EXPERIENCE**

- Ceder Lake Resort and Conference Centre (2008)
- Devonvale Golf and Wine Estate (2006)
- Hartenbosch Lifestyle Village and Garden Walk Precinct (2011)