

## **CURRICULUM VITAE - PRISCILLA BAKER**

### **CURRENT DESIGNATION:**

Professor, Department of Chemistry, UWC - 2008

Chairperson: Electrochemistry division of SACI (ElectrochemSA) – 2006

Co-leader SensorLab: Chemistry department UWC - 2004

Vice chairperson: Division 1 (Analytical Electrochemistry, International Society for electrochemistry, 2012-)

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Department Chemistry University of the Western Cape

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## EDUCATIONAL QUALIFICATIONS

**Bachelor of Science** (1990)

**National Diploma in Analytical** (1993)

**BSc Honours** (Chemistry) (1995)

**MSc** (Chemistry): The evaluation of trace metals in the atmosphere. University of the Western Cape (1997)

**Ph.D** (Chemistry) Synthesis and Characterisation of novel metal tin oxide composites as anodes for phenol degradation University of Stellenbosch (09 Dec 2004)

**Journal Reviewer:** Analytica Chimica Acta ; Journal of Applied polymer Science  
Biosensors Bioelectronics; Talanta; Electrochimica Acta and others

**Guest editor:** (i) Electrochimica Acta special issue "Sensors and Sensor  
Technology"; Electrochimica Acta 55 (14), 30 May 2010  
(ii) Analytical Letters, Volume 44 (11) June 2011

### Post-Graduate students supervised:

*PhD:* Richard Akinyeye (2007)  
Immaculate Michira (2007)  
Vernon Somerset (2007)  
Michael Klink (2007)  
Sarah Maoela (2009)  
Joseph Owino (2009)  
Everlyne Songa (2009)  
Zelo Mangombo (2010)  
Jasmina Martinovic (2011)  
Nicolette Hendricks (2011)  
Fanelwa Rachel Ngece (2011)  
Heidi Richards (2012)  
Rasaq Olowu (2012)  
Natasha West (2013)  
Stephen Mailu (2013)  
Milua Masikini (2013)  
Kanyisa Nohako (2013)  
Euodia Hess (2013)

### *Post-doctoral fellows:*

Dr Amir Al Ahmid  
Dr Raju Khan  
Dr Anna Ignaszak  
Dr Tesfaye Waryo  
Dr Faiza Iftikhar  
Dr Chinwe Ikpo  
Dr Natasha Ross

**Leadership positions:**

**Co-leader:** Sensor research laboratory, Chemistry department, UWC, 2004-

**Chairperson:** Electrochemical division of SACI (ElectrochemSA), 2007-

**Deputy HOD:** Chemistry department (2011-)

**Vice chairperson:** Division 1 (Analytical Electrochemistry, International Society for electrochemistry, 2012-)

**Grants and/or collaboration:**

**ESNAM (European network) 2012-2013**

**Marie Curie FP7 Mobility programme: 2013-2018**

**NSF Materials world network research cooperation programme (2010-2013)**

**Partners:** Prof PGL Baker (University of the Western Cape, RSA) and Prof O Sadik (State University of New York, Binghamton, USA);

**South Africa – Germany Key International Scientific Cooperation (2011-2013)**

**Partners:** Prof PGL Baker (University of the Western Cape, RSA) and Prof C Wittmann (Neubrandenburg University, Neubrandenburg, Germany);

**NRF Equipment grant: 2010 – (R1 000 000.00)**

**SEAchange (NRF): 2010-2013**

**MRC: 2011**

**WRC: 2010-2012**

**Awards & Recognition**

**2006 - :** Chairperson: Electrochemistry division of South African Chemical Institute (SACI)

**2008:** **Conference chairperson:** 1<sup>st</sup> International symposium on Electrochemistry, 8-11 July 2008, Bellville South Africa

**2008** Guest Editor, *Electrochimica Acta* (Elsevier) 55 (14); 30 May 2010

**2009:** Keynote lecture, SMCBS'2009, Poland 6-10 November 2010

**2009:** **Conference Chairperson:** 10<sup>th</sup> International symposium on Kinetics in Analytical Chemistry; 2-4 December 2009.

**2010:** Keynote lecture, *Analitika* 2010, 4-9 December 2010, Stellenbosch

**2011:** Guest Editor, *Analytical Letters*, Volume 44 (11), June 2011

**2013:** Organising committee: 13<sup>th</sup> ISE topical meeting, 7-10 April 2013, Pretoria South Africa

**2014:** International organizing committee: (14<sup>th</sup> ISE Topical Meeting), 29 March- 1 April, Nanjing, China