

CURRICULUM VITAE**ANDRÉ VENTER**

Work Address	Scientific Development and Integration (Pty) Ltd CSIR campus Meiring Naude Road, Pretoria PO box 1559 Pretoria 0001
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PERSONAL DATA

Name	André Venter
Identity Number	721030 5158 089
Date of Birth	30 October 1972
Sex	Male
Marital Status	Single
Driver's Licence	08/91-04-18
Nationality	South African
Home Language	Afrikaans
Other Languages	English (fluent: speak, read and write)
Health	Excellent

SECONDARY EDUCATION

Last School Attended	Hoërskool Verwoerdburg (1986-1990)
Highest Standard Passed	Matric (B aggregate)
Subject Passed in Higher Grade	English, Afrikaans, Mathematics, Science, Biology, Geography

TERTIARY EDUCATION

University	University of Pretoria
Degrees	B.Sc. (Chemistry and Industrial Chemistry) – 1994 B.Sc. Honours (Chemistry) – 1995 M.Sc. (Chemistry), <i>Cum Laude</i> , 1998 Supercritical Fluid Chromatography combined with GC and GC-MS for the analysis of complex petrochemical mixtures Ph.D (Chemistry) Comprehensive two-dimensional supercritical fluid and fast temperature programmed gas chromatography, Feb 2003
Awards	2 nd Prize for the most commercially viable innovation developed at a South African university during 2002 Organized by Catalyst Innovation (NGO), Acorn Technologies and Deloitte and Touche.
Bursaries	Foundation for Research and Development Grand-holder bursary: M.Sc (1996-1997) Ph.D (1998-2001)
University Activities	Die Perdeby (Student Newspaper) Editing Staff – 1994-1995 Tuks Student Wine Culture Society 1995 (Committee Member: marketing) 1996 (Chair Person) Department Chemistry Social Club 1998 (Treasurer)

RESEARCH – GENERAL FIELDS OF INTEREST

Chromatography, Multidimensional Chromatography, Hyphenated techniques, Mass Spectrometry, Fast GC, Instrumentation Design, Analytical Chemistry.

SCIENTIFIC PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

The analysis of paraffin, olefin, aromatic and oxygenate groups in petrochemical mixtures by supercritical fluid chromatography on silica gel.

A. Venter, E.R. Rohwer, A.E. Laubscher, J. Chromatogr. 847 (1998) p 309-321.

Performance optimization of a fast temperature programmed, resistively heated GC with thermocouple sensing.

A.Venter, E.R.Rohwer

Submitted for publication to Analytical Chemistry

Comprehensive two-dimensional supercritical fluid and gas chromatography (SFCxGC) with independent, fast programmed heating of the gas chromatographic column.

A.Venter, E.R.Rohwer

Submitted for publication in Analytical Chemistry

Group type analysis of oxygenated compounds with a silica gel PLOT column and comprehensive two-dimensional supercritical fluid and gas chromatography

A.Venter, P. Makgwane, E.R.Rohwer

To be submitted for publication in Analytical Chemistry

PATENTS

Instrumentation for chemical analysis

A.Venter, E.R. Rohwer

May 2002

Status: South African Provisional patent

CONFERENCE PROCEEDINGS

Instrumentation for comprehensive two-dimensional fast temperature programmed gas chromatography

A.Venter, E.R.Rohwer

Poster presented at Analitika 2002 – Stellenbosch, December 2002

Dehydrohalogenation of isotopically enriched R22 (CHClF_2) to methane

A.Venter, H.J.Strydom, E.Ronander

Poster presented at Catsa 2002 conference, Cape Town, November 2002

New instrumentation for comprehensive SFCxGC

E.R.Rohwer, A.Venter

Lecture presented at 25th Symposium on capillary chromatography, Riva del Garda, Italy, 2002

Oxygenate group separation by supercritical fluid chromatography coupled comprehensively to fast programmed gas chromatography

A.Venter, E.R.Rohwer

Poster presented at 25th Symposium on capillary chromatography, Riva del Garda, Italy, 2002

Instrumentation for comprehensive two-dimensional supercritical fluid and independent fast-temperature-programmed gas chromatography

A.Venter, E.R. Rohwer

Poster presented at 25th Symposium on capillary chromatography, Riva del Garda, Italy, 2002

Oxygenate Group Analysis – Group Separation of Various Oxygenates using Sub-critical CO₂ and a Silica Gel PLOT column.

A.Venter, E.R. Rohwer, A.E. Laubscher

Poster Presented at Mass Spectrometry – Chromatography 2000 – Warmbaths, October 2000.

Supercritical fluid chromatography of petrochemical mixtures.

A.Venter, E.R. Rohwer, A.E. Laubscher

Poster presented at Analitika 98, Midrand, October 1998

Instrumentasie vir volledig twee-dimensionele superkritiese fluide en gas chromatografie.

A.Venter, E.R.Rohwer

Lecture presented at Student symposium of Die Afrikaanse akademie vir wetenskap en kuns, October 2001.

The Analysis of Paraffin, Olefin, Aromatic and Oxygenate Groups in Petrochemical Mixtures by Supercritical Fluid Chromatography on Silice Gel.

A.Venter, E.R. Rohwer, A.E. Laubscher

Poster presented at 22nd International Symposium on Chromatography, University of Rome, Rome, September 1998.

Supercritical Fluid Chromatography Combined with GC-MS for the Analysis of Complex Petrochemical Mixtures A.Venter, E.R. Rohwer, A.E. Laubscher

Lecture at SACI Young Chemists Symposium, University of the Witwatersrand, Johannesburg. 26 June 1998.

Quantitative Analysis of Petrochemicals by Supercritical Fluid Chromatography

A.Venter, E.R. Rohwer, A.E. Laubscher, M. Probst.

Quantitative Analysis of Petrochemicals by Supercritical Fluid Chromatography

A.Venter, E.R. Rohwer, A.E. Laubscher, M. Probst

Poster at Mass Spectrometry – Chromatography 1996, Christiana, August 1996.

PROFESSIONAL BACKGROUND

Professional Affiliations	Member of The South African Chemical Institute, ChromSA, SAAMS.
	Member of The South African Association for the Advancement of Science (S2A3).

EMPLOYMENT HISTORY

Current Position

Company	Scientific Development and Integration (Pty) Ltd
Position held	Chemist
Commencing	February 2002
Duties	Analysis of isotopically enriched carbon compounds Design of catalytic processes for conversion of gaseous, isotopically enriched molecules. Liaison and interaction with contractors. Establishment of a commercial scale cryogenic distillation facility for separation of gaseous isotopically enriched carbon compounds.

Previous Experience

Name of Organization	Ampath Pathologist
Position Held	Student Technologist
Duration of Employment	October 1999 – November 2001
Duties	On site analysis of urgent medical specimens Co-ordination of administrative and nursing staff during after-hours shifts
Name of Organization	University of Pretoria
Position Held	Part Time Junior Lecturer
Duration of Employment	1 January 1997 – 31 December 2001
Name of Organization	University of Pretoria
Position Held	Tutor (Bridging Course)
Duration of Employment	1 February – 30 November 1996
Name of Organization	University of Pretoria
Position Held	Research Assistant (Dr. H.M. Roos)
Duration of Employment	July – November 1994
Name of Organization	Experilab
Position Held	Part Time Laboratory Assistant
Duration of Employment	August – November 1993

Name of Organization	University of Pretoria
Position Held	Demonstrator
Duration of Employment	February – November 1992

OTHER

Baker, OK Boulevard Bakery, Centurion (1986-1992)
Salesman, Fotocatsi, Church Street (1992)
Waiter, Centurion Lake Hotel (1993)
Experimental Farm Worker, PHI-Genetics, Brits
(December 1993-January 1994)
(December 1994-January 1995)

GENERAL INTERESTS

Present Outside Interests	Mountain Biking, Yoga, Aromatherapy, Natural Healthcare, Aerobics, Contemporary Music (Classical, Jazz), Theatre, Photography, Reading, Wine Collecting, Frogging.
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REFERENCES

Prof. E.R. Rohwer
Head of Chromatography – Mass Spectrometry Group
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University of Pretoria
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