

Curriculum Vitae

CARADEE YAEL WRIGHT

2014

In brief:

Qualifications

- Ph.D (Public Health) (University of Otago, NZ) 2007
- M.Soc.Sc. *cum laude* (University of Natal) 2002
- B.Soc.Sc. (Hons) *cum laude* (University of Natal) 2001
- B.Soc.Sc. *summa cum laude* (University of Natal) 2000

Ratings

- National Research Foundation Y2 rated scientist, 2012

Research, teaching, supervision and project management interests

- Personal exposure to environmental risks (human health risk assessment)
- Personal solar ultraviolet radiation exposure monitoring for skin cancer and other adverse health outcomes prevention
- Time-activity patterns research
- Air quality management
- Personal exposure to air pollution, air pollution monitoring: ambient and personal exposure
- Air pollution population exposure and risk prioritization modelling
- General environmental management and environmental health
- Lecturing at undergraduate and postgraduate levels
- Supervision of Honours and Masters students
- Survey administration, data management and biostatistical data analyses
- Project management including proposal development
- External examiner of Master and PhD theses

Activities undertaken by virtue of professional standing

- Extraordinary Lecturer at the University of Pretoria, Department of Geography, Geoinformatics and Meteorology (appointed in 2014)
- Co-editor of the Clean Air Journal (from 2013)
- Founding Co-chair of the South African Young Academy of Science (2011-2013)
- Founding Member of the South African Young Academy of Science
- Elected Member of the Global Young Academy
- Vice-President and Member of the National Association for Clean Air
- Member of the Public Health Association of South Africa
- Member of the Society of South African Geographers
- Member of the South African Society for Atmospheric Sciences
- Founder of the Environmental Health Research Network
- Founder of the SunSmart Research Programme and Lab

Awards

- 2012 Mail and Guardian Top 100 Young South Africans
- Bronze medal for Best Thesis, awarded by the Society of South African Geographers, 30 July 2003
- The School of Life and Environmental Sciences' Best Honours Thesis for 2000

Experience

- Principal / Senior Researcher, 5 years
- Research Group Leader / Sub Group Leader, 3½ years
- Junior Research fellow, 6 years
- Science Technician, 1 year

- Lecturer, 1½ years
- Secondary School Educator, 1½ years

Examiner / Reviewer

- External examiner of dissertations (selection only)
 - Air quality assessment of the industrialised western Bushveld igneous complex (NWU)
 - Mapping and analyzing cancer incidence in South Africa (NWU)
 - Evaluation of environmental factors in Tshwane District High Schools, Gauteng (UP)
- Reviewer for more than six academic journals including Photochemical and Photobiological Sciences, Photochemistry and Photobiology
- Reviewer of funding proposals for NRF, START, NRF rated researchers applications
- IPCC registered reviewer of AR4 and AR5
- Reviewer of PhD proposals for University of Pretoria (School of Health Systems and Public Health)
- Invited reviewer of Department of Health / Environmental Health policy documents

Personal Details

Full Name:	Caradee Yael Wright ¹
Date of Birth:	6 April 1979
Place of Birth:	Durban, South Africa
Citizenship:	South African
Marital Status:	Married
Dependants:	Two
Driver's Licence:	Code B (Light motor vehicle)
Residential Address:	46 Grenadine, 1131 Libertas Avenue, Willow Glen, 0081, Pretoria
Postal Address:	PO Box 11790, Hatfield, 0028, Pretoria
Telephone Number:	+27 12 807 0392
Mobile Phone Number:	+27 82 677 4037
Fax Number:	+27 12 841 4257
Personal Email:	cywright@vodamail.co.za
Work Email:	cwright@csir.co.za

Tertiary Education

Post-doctoral studies

(1 July 2007 – 31 December 2008)

Institution:	University of KwaZulu-Natal and CSIR
Type:	Research (Full time)
Bursaries:	University of KwaZulu-Natal Post-Doctoral Scholarship
Research Title:	Air pollution population exposure and vulnerability risk prioritisation framework

Postgraduate Degrees (2000 – 2007)

Doctor of Philosophy

(15 January 2004 to 18 August 2007)

¹ Maiden name: Guy

Institution: Department of Preventive and Social Medicine
University of Otago

Degree: Doctor of Philosophy (Public Health)

Type: Research (Full time)

Bursaries: University of Otago Prestigious International PhD scholarship (2005)²
NRF Prestigious Scholarship for Study Abroad (2004)³
Partial National Institute of Water and Atmosphere (NIWA) support
for 2004 only

Awards: Best presentation at the NIWA Workshop: UV Update, Dunedin, 19-
21 April 2006
Frederick Urbach Memorial Travel Award to attend the 33rd Annual
Meeting of the American Society for Photobiology

Thesis Title: Ultraviolet radiation exposure of NZ schoolchildren

Coursework: Epidemiology and Biostatistics (PUBH701)

**M.Soc.Sc. in Environmental Management
(November 2000 to March 2002)**

Institution: School of Life and Environmental Sciences
University of Natal (Durban)

Degree: Master of Social Science
(M.Soc.Sc. *cum laude*)

Type: Research (Full time)

Bursaries: Academic Scholarship, University of Natal (2001)
NRF Prestigious Scholarship (2001)⁴

Awards: Bronze medal for Best Thesis, awarded by the Society of South
African Geographers, 30 July 2003

Thesis Title: An investigation into the ultraviolet radiation exposure of children and
adolescents in Durban

**B.Soc.Sc. (Hons) in Geography and Environmental Management
(January 2000 to December 2000)**

Institution: School of Life and Environmental Sciences
University of Natal (Durban)

Degree: Bachelor of Social Science (Honours)
(B.Soc.Sc. (Hons) *cum laude*)

Key Subjects: Dissertation 85%
Environmental Impact Assessment 80%
Sustainable Development 80%
Wetland Ecology and Management 84%
Environmental Education 82%

Bursaries: Academic Scholarship, University of Natal (2000)
NRF Scholarship (2000)
Society of South African Geographers Jubilee Bursary (2000)

² The University of Otago International PhD scholarship is awarded to 4 International students. It pays their international fees.

³ NRF Prestigious Scholarship for Doctoral Degree Abroad: This scholarship is awarded to 6 South Africans. It is based on exceptional potential, academic performance and is awarded on a competitive basis.

⁴ NRF Prestigious Scholarship: This scholarship is awarded to 5 South Africans and is based on exceptional potential and academic performance. Selection criteria include academic merit, promise of research ability and leadership qualities.

Awards: The School of Life and Environmental Sciences' Best Honours Thesis for 2000
 Thesis Title: A health risk assessment of ultraviolet radiation in Durban

Undergraduate Degree (1997 – 1999)

B.Soc.Sc. in Geography and Environmental Management (January 1997 to December 1999)

Institution: School of Life and Environmental Sciences
 University of Natal (Durban)
 Degree: Bachelor of Social Science
 (B.Soc.Sc. *summa cum laude*)
 Majors: Geography
 Environmental Management
 Key Subjects: Environmental Science 1; Human Geography 1; Environmental
 Geography; Computer Literacy; Biogeography; Applied Ecology;
 Environmental Management; Soil Resources; Environmental Auditing;
 Water Resources; South African Landscapes; Urban Studies; Soil
 Erosion and Conservation, GIS; Atmospheric Science; Tourism
 Studies;
 Merit Certificates Awarded: Environmental Science; Urban Development; Environmental
 Geography; Environmental Management; Environmental Auditing;
 South African Landscapes; Urban Studies; Applied Ecology; GIS
 Deans Commendation: 1997; 1998; 1999
 Bursaries: Academic Scholarship, University of Natal (1997; 1998; 1999)

Selection of Recent Work Experience and Major Projects

2014 Photosensitivity atlas among the South African population
 2013 Principal investigator for study to measure solar UV radiation exposure among people
 working/playing outdoors in South Africa
 2013 Principal investigator for the Preparation of the Situational and Need Assessment
 (SANA) for the implementation of the Libreville Declaration in the RSA (WHO)
 2013 Principal investigator on project to assess community health status in the Vaal
 Triangle Priority Area (DEA)
 2012 Principal investigator on new development grant project to establish a new knowledge
 field in South Africa: solar UV radiation and human health
 2012 Principal investigator on project to assess impact of SunSmart interventions in South
 Africa (CANSA)
 2012 Principal investigator on project to determine the impact of water and air pollution on
 communities in the Lower Olifants River Catchment (USAID DST)
 2011 Editor of an Elsevier Health Volume on Climate Vulnerability
 2011 Co-ordinated a multi-partner team to quantify air quality and human health risks for
 pedestrians and drivers in the Pretoria Daspoort Tunnel
 2011 Investigator on project to determine the impact of acid mine drainage on human
 health in South Africa (funded by the Mine Health and Safety Council)
 2010 Co-ordinating efforts to develop a multidisciplinary research team to tackle solar
 UVR exposure and associated public health effects research in South Africa
www.ehrn.co.za/sunsmart

2010	Principal investigator: human health risk assessment (water and air pollution) in the Upper Olifants / Highveld Priority Area, South Africa
2010	Co-Investigator: schoolchildren's respiratory health in the Vaal Triangle Airshed Priority Area, South Africa
2009	Supervised Honours and Masters students registered at the University of Pretoria and Tshwane University of Technology
2009	Managed a project to consider nanotoxicological health effects from domestic solid fuel burning using the BnM technique
2009	Co-ordinated a large research project to put health onto the air quality management agenda through interaction with Government Air Quality Officers in South Africa
2009	Established the 'Environmental Health Research Network' www.ehrn.co.za – a network to share knowledge and ideas about environmental health
2009	Led a team to provide case studies for the DST South African Risk and Vulnerability Atlas, with input to a case study focussed on understanding environmental health and climate change
2008	Carried out research in eThekweni (Durban, South Africa) to prioritise vulnerable local municipalities with an air pollution exposure focus
2006	Managed a project to assess factors influencing the solar ultraviolet radiation exposure of schoolchildren in New Zealand
2002	Managed a project to assess the solar ultraviolet radiation exposure of schoolchildren in South Africa

Student Supervision

Year	Student	University	Level	Supervisors	Status
2010	P Albers	University of Pretoria	Honours	J Olwoch C Wright	Graduated
2011	J Mundackal	University of Pretoria	Masters	J Wichmann C Wright	Submitted
2010	P Albers	University of Pretoria	Honours	C Wright J Olwoch	Graduated
2011	P Albers	University of Pretoria	Masters	K Voyi C Wright	Graduated
2012	N Thabethe	Tshwane University of Technology	Masters	TJC Engelbrecht C Wright	Graduated
2013	T Makgabutlane	University of Pretoria	Honours	C Wright	Graduated
2014	V Nurse	University of Pretoria	Honours	C Wright	Registered
2014	S Bidassey	Tshwane University of Technology	Masters	TJC Engelbrecht C Wright	Registered
2014	SK Sangeetha	University of KwaZulu-Natal	PhD	S Venkataraman C Wright	Registered

Informal training courses attended

Two day learning event on Research Ethics, 19-20 February 2013 (Provider: CSIR)
 Environmental Health Standardization Workshop, 10-11 March 2010 (Provider: Open Spatial Solutions)
 Two day learning event on Assertiveness, 6-7 May 2010 (Provider: CSIR)

Two day learning event on Project Management I, 18-19 May 2009 (Provider: CSIR)
 Technical Person to Manager; Management for New Managers and People Management for New Managers (Provider: Astrotech)
 Science, Engineering and Technology Strategic Leadership Programme, 3 weeks in 2010 (Provider: CSIR)

Refereed Journal Articles, Reports, Presentations and Other Publications

Peer-reviewed Articles

1. Wright, CY, Garland, RM, Norval, M and Vogel, C. (2014) Human health impacts in changing South African climate. *South African Medical Journal* 104 (8): 579-582.
2. Wright, CY and Norval, M. (2014). Climate change: One of the greatest threats to public health in the 21st Century. *South African Medical Journal* 104 (8): 578.
3. Oosthuizen, MA, Mundackal, JM and Wright, CY. (2014) The prevalence of asthma among children in South Africa is increasing – is the need for medication increasing as well? A case study in the Vaal Triangle. *Clean Air Journal* 24(1): 28-30.
4. Wright, CY, Matooane, M, Oosthuizen, R and Phala, N. (2014) Risk perceptions of dust and its impacts among communities living in a mining area of the Witwatersrand, South Africa. *Clean Air Journal* 24(1):17-22.
5. John, J, Wright, CY, Oosthuizen, MA, Steyn, M, Genthe, B, le Roux, W, Albers, Oberholster, P and Pauw, C. (2014) Environmental health outcomes and exposure risks among at-risk communities living in the Upper Olifants River Catchment, South Africa. *International Journal of Environmental Health Research* 24(3): 195-214.
6. Wright, CY, Mathee, A and RM Garland. (2014) Climate change, human health and the role of Environmental Health Practitioners. *South African Medical Journal* 104(8): 518-519.
7. Norval, M, Kellet, P and Wright, CY. (2014) The incidence and body site of skin cancers in the population groups of South Africa. *Photoderm Photoimmunol Photomed*. In press.
8. Wright, CY, Albers, PN, Oosthuizen, MA and Phala, N. (2014) Self-reported sun-related knowledge, attitudes and behaviours among schoolchildren attending South African primary schools. *Photoderm Photoimmunol Photomed*. In press.
9. Wright, CY, Mathee, A and Oosthuizen, MA. (2014) Challenging times for environmental health in South Africa: The role of the Environmental Health Research Network. *SAMJ* 104(1):20-21.
10. Thabethe, N, Engelbrecht, JC, Wright, CY and Oosthuizen, MA. (2014) Human health risks posed by exposure to PM10 for four life stages in a low socio-economic community in South Africa. *Pan African Medical Journal*. In press.
11. Wright, CY, Brogniez, C, Ncongwane, KP, Sivakumar V, Coetzee, C, Metzger, J-M, Auriol, F, Deroo, C and Sauvage, B. (2013) Sunburn risk among children and outdoor workers in South Africa and Reunion Island Coastal Sites. *Photochem Photobiol* 86: 1226-1233.
12. Wright, CY, Albers, PN, Oosthuizen, MA and Phala, N. (2013) Sun protection policy and practices in South African primary schools. *Household and Personal Care Today*. Monographic Supplement Series: 8(4): iv-viii.
13. Wright, CY, Davids, LM, Summers, B and Norval, M. (2013) Solar ultraviolet radiation in South Africa: Clinical consequences for the skin. *Expert Review in Dermatology*.8(6): 693-706.
14. Wright, CY and Albers, PN (2013) Comparison of two personal UV Index monitors for sun awareness in South Africa. *South African Journal of Science* 109(1/2): 88-91.
15. Wright, CY, Oosthuizen, MA and Steyn, M. (2012) Integrating air-related health surveillance into air quality management: perceptions and practicalities. *The Clean Air Journal* 21(1): 3-10.

16. Wright, CY, Norval, M, Summers, B, Davids, L, Coetzee, G and Oriowo, M. (2012) The impacts of solar ultraviolet radiation on human health in sub-Saharan Africa. *South African Journal of Science* 108(11/12):1-6.
17. Wright, CY, Norval, M, Summers, B, Davids, L, Coetzee, G and Oriowo, M (2012) Solar ultraviolet radiation exposure and human health in South Africa: finding a balance. *South African Medical Journal* 102(8):665-666.
18. Wright, C., Oosthuizen, R., Mostert, J. and van Niekerk, L. (2011) Investigating air quality and air-related complaints in the City of Tshwane, South Africa. *The Clean Air Journal* 20(2): 3-12.
19. Wright, C., Coetzee, G and Ncongwane, K. (2011) Seasonal trends in potential sunburn risk among outdoor workers in South Africa using monitored ambient solar UV radiation levels. *Occupational Health Southern Africa* 17(6): 22-29.
20. Slippers, B, Majazi, T., Nelwamondo, F.V., Steenkamp, C.M., van Heerden, E. and Wright, C. (2011) Internet access constrains science development and training at South African universities. *SAJS* 107(7/8):18.
21. Wright, C., Coetzee, G and Ncongwane, K. (2011) Ambient solar UV radiation and potential sunburn risk among schoolchildren at six sites in South Africa. *South African Journal of Child Health*. 5(2): 33-38.
22. Wright, C., Oosthuizen, R., John, J. Garland, R, Albers, P. And Pauw, C. (2011) Air Quality and Human Health among a Low Income Community in the Highveld Priority Area. *The Clean Air Journal* 20(1): 12-20.
23. Wright, C., Garland, R., Thambiran, T. and Diab, R. (2011) Air quality and human health in South Africa. *Environmental Scientist* 20(2): 25-27.
24. Wright, C. and Diab, R. (2011) Air pollution and vulnerability: solving the puzzle of prioritisation. *Journal of Environmental Health*. 73(6):56-64.
25. Albers, P.N., Wright, C. and Olwoch, J. (2010) Developing a South African Pedestrian Environment Assessment Tool: Tshwane Case Study. *South African Journal of Science*. 106 (9/10): 1-8.
26. Wright, C., Reeder, A.I., Gray, A. And Cox, B. (2009) Re: Comment on child sun protection: sun-related attitudes mediate the association between children's knowledge and behaviour. *Journal of Paediatrics and Child Health*. 45:767.
27. Wright, C., Reeder, A, Gray, A. and Cox, B. (2008) Child sun protection: attitudes mediate the association between children's knowledge and behaviours. *Journal of Paediatrics and Child Health*. 44:692-698.
28. Wright, C., Reeder, A., Bodeker, G., Gray, A. and Cox, B. (2007) Solar UVR exposure concurrent activities and sun-protective practices among primary schoolchildren. *Photochemistry and Photobiology*. 83:749-758.
29. Wright, C. and Reeder, A. (2005) Youth Solar Ultraviolet Radiation Exposure, Concurrent Activities and Sun Protective Practices: A Review. *Photochemistry and Photobiology*. 81:1331-1342.
30. Wright, C., Diab, R. and Martincigh, B.S. (2004) Anatomical distribution of ultraviolet solar radiation, *South African Journal of Science*, 100:498-500.
31. Guy, C., Diab, R. and Martincigh, B.S. (2003) Ultraviolet Radiation Exposure of Children and Adolescents in Durban, South Africa, *Photochemistry and Photobiology*, 77(3):265-270.
32. Guy, C.Y. and Diab, R.D. (2002) A health risk assessment of ultraviolet radiation in Durban, *South African Geographical Journal*, 84(2):208-213.
33. Scott, D., Oelofse, C. and Guy, C. (2002) Double trouble: environmental injustice in South Durban, *Agenda*, 52:50-57.

Langdon, G. And Wright, C. (2012) NextGenVoices — Results: ‘The future in the eyes of young scientists’. *Science* 6 January 2012: 36-38.

Books

Adegoke J and Wright C (Eds) (2013) *Vulnerability of Human Health to Climate. Climate Vulnerability: Understanding and Addressing Threats to Essential Resources*. Elsevier Inc, Academic Press. ISBN 9780123847034.

Thompson, A, Piketh, S, Burrows, J and Wright CY (Eds) (2013) *Changing Chemistry in a Changing Climate: Human and Natural Impacts over Southern Africa*. Springer, Netherlands (in press).

Wright, C. (2009) *Solar UVR exposure of schoolchildren*. Lambert Academic Publishing: Germany, ISBN 978-3-8383-0749-7.

Book chapters

Wright, C. (2009) Children’s sight and the need to protect them from solar ultraviolet radiation. Chapter in ‘Children’s Sight: A Multidisciplinary Approach’, Healthy Sight Institute, France.

Guidelines

Wright, CY (2012) *Quick Best Practices Guide to Consider Air-related Human Health in Your Area – For South African Air Quality Officers and Environmental Health Practitioners*. CSIR Natural Resources and the Environment, Pretoria.

Presentations

Wright, C. (2012) Health implications of solar UV radiation exposure in South Africa. CANSA Solar Radiation Symposium, Southern Sun Hotel, Kempton Park, 16 August 2012.

Wright, C. (2011) Finding practical indicators for monitoring air quality and human health. Wits School of Public Health Seminar Series, 11 November 2011, University of the Witwatersrand, Johannesburg.

Wright, C. (2011) Finding practical indicators for monitoring air quality and human health. EO2Heaven Workshop, 7-8 November 2011, Meraka Institute, Pretoria.

Wright, C. (2011) Seasonal trends in potential sunburn risk among outdoor workers in South Africa using monitored ambient solar UV radiation levels. Living in a Warmer World: What It May Mean for Sun-Exposed South African Workers. WHO MRC UJ Public Seminar 19 August 2011.

Wright, C, Oosthuizen, R, Mostert, J and van Niekerk, L. (2011). Appropriate indicators for tracking air-related health in practice. NACA Northern Branch breakfast, CSIR Knowledge Commons, 10 June 2011.

C Wright, T Thambiran, R Garland, R Diab. (2011) Air quality and human health in South Africa. International Commission on Atmospheric Chemistry and Global Pollution (CACGP) 1st Regional Workshop on “Changing Chemistry in a Changing Climate: Human and Natural Impacts over Southern Africa – C4-SAR”, 31 May - 2 June 2011, Midrand, South Africa.

Wright, C. (2011) Solar UV radiation and human health impacts in South Africa and La Reunion. Presentation at the University of La Reunion, 24 April 2011, St Denis.

Wright, C. (2011) Assessment of air- and water-related human health effects among at-risk communities residing in the Upper Olifants Water Management Area. AHEAD, March, Kruger National Park.

Wright, C. (2009) Wrinkles, skin cancer and vitamin D - what do we know about South Africans time in the sun? Presentation, 4 September 2009, School of Health Systems and Public Health, University of Pretoria, South Africa.

- Wright, C.Y. (2009) Climate Change: Is South Africa Ready for the Challenge? Presentation made to the British Council Climate Change Champions (learners), 30 May 2009, Johannesburg, South Africa.
- Wright, C.Y. (2009) Climate Change: Is South Africa Ready for the Challenge? Presentation made to the Society for National International Affairs, Pretoria Boys High School, 8 May 2009, Pretoria, South Africa.
- Wright, C.Y. (2009) Bridging the gap between basic environmental health needs and emerging climate change concerns in southern Africa. Poster presented at the Climate Change Summit, 3-6 March 2009, Gallagher Estate, Midrand, South Africa.
- Wright, C., Diab, R. and Binedell, M. (2008) Air pollution population exposure and risk prioritization model. Paper presented at the University of the West of England Air Quality Management Research Group Workshop, 31 March 2008, Bristol, England.

Popular articles

- Wright, CY. (2013) Working towards SunSmart schools in South Africa. *Quest* 9(2), 44-45.
- Phala, N, Matooane, M, Oosthuizen, MA and Wright, CY (2012) It's not all about acid mine drainage on the West Rand – there is dust too. *Government Digest* August 2012: 65-66.
- Wright, CY (2012) Opinion piece – combating the consequences of excess sun exposure. CSIR Natural Resources and the Environment.
- Wright, CY (2012) Achieving SunSmart South African Schools. *Education Southern Africa*, 6(10): 8-9.
- Wright, CY (2012) How to be a SunSmart School in South Africa? Independent Education. Summer Edition, 2012.
- Wright, C, Langdon, G and Moore, P. (2012) A voice for young scientists in South Africa. *Quest* 8(1):16-17.
- Leuta, T, John, J and Wright, C. (2012) Good choices make healthy homes: reflections on sustainable human settlements in SA. *Government Digest* 31(7):26.
- Forbes, P, Garland, R, Wright, C, Louw, W, Phiri, L, Gawler, N, Mabe, M, Molisiwa, J and Brown, J. (2011) Air quality measurements in the Daspoort Tunnel, Pretoria. *NAQO News* 5(2): 11-13.
- Wright, C, Genthe, B, John, J, Oosthuizen, MA, Steyn, M, Le Roux, W and Pauw, C. (2011) Environmental pollution puts communities' health at risk in Mpumalanga. *NAQO News* 5(2): 13-15.
- Wright, C. (2011) Know the risks of drinking river water. *Government Digest* October, p43.
- Wright, C., Garland, R. and Forbes, P. (2011) Air quality in the Daspoort Tunnel: a multidisciplinary, multi-institutional collaboration. *Quest* 7(3): 32-34.
- Wright, C. (2011) Research in Ethics – from clinic trials to science fairs, the same golden rules apply. *Quest*.7(2):48-49.
- Garland, R, Thambiran, T, Wright, C and Archer, E. International climate change policy: background and significance of upcoming COP17 meeting for South Africa. *Government Digest*, September 2011: 55-56.
- Wright, C., Thambiran, T, Matooane, M, Engelbrecht, E, Bopape, M-J. And Olwoch, J. (2011) Climate change and environmental health in southern Africa – It's not only about malaria. *Government Digest*. July 2011:9.
- Wright, C. (2010) Environmental Health Hotspots in South Africa. *Government Digest*. 30(4):10-11.
- Wright, C. (2009) You, Me and UV: Under the Sun in SA. *Quest*. 5(3):22-23.
- Wright, C., Forbes, P. and Oosthuizen, R. (2009) Breathe Easy: simple solutions for healthy homes. *IMFO*. 9(4):38-39.
- Wright, C. and John, J. (2009) Healthy Communities: Addressing vulnerability and environmental health, *Government Digest*. 28(6):11.

- Wright, C. and John, J. (2008) Clear the Air – Healthy Communities. *IMFO*. 9(2):22.
- Wright, C., Bodeker, G. and Reeder, T. (2005) UV radiation exposure of New Zealand school children. *Water and Atmosphere*, 13(2), 10-11.

Peer-reviewed Conference Papers

- Makgabutlane, M and Wright, CY. (2013) The influence of meteorological factors on solar ultraviolet radiation over Pretoria, South Africa for the year 2012. SASAS conference 2014, Salt Rock, Durban.
- Wright, CY, Matooane, M, Oosthuizen, MA and Phala, N. (2013) Perceptions of dust and its impacts among communities living in a mining area of the Witwatersrand. NACA conference 2013, Cape Town.
- Wright, CY, Brogniez, C, Ncongwane, KP, Sivakumar V, Coetzee, C, Metzger, J-M, Auriol, F, Deroo, C and Sauvage, B. (2013) Solar ultraviolet radiation measurements at South African and Reunion Island Coastal Sites: An Indicator of public sun protection. SASAS Conference 2013 ISBN 978-0-620-56626-1.
- Wright, CY, Archibald, S, Garland, RM, Naidoo, M, Frost, P and Phala, N. (2013) Changes in ground-based solar ultraviolet radiation during fire episodes: a case study. SASAS Conference 2013 ISBN 978-0-620-56626-1.
- Mundackal, J, Oosthuizen, R and Wright, C. (2011) Change in lower respiratory diseases among 10-year old children in the Vaal Triangle over the past 20 years. *NACA Conference 2011 Conference proceedings – peer reviewed paper*.
- Albers, P, Wright, C and Voyi, K. (2011) The air the children of Witbank and Middelburg are breathing. *NACA Conference 2011 Conference proceedings – peer reviewed paper*.
- Wright, C. and Albers, P. (2011) Sun-related knowledge, attitudes and behaviours among South Africans: pilot study results. *SASAS 22-23 September 2011 Conference Proceedings – ISBN 978-0-620-50849-0*.
- Wright, C. (2010) Potential Solar UVR health risks in South Africa. Paper presented at the annual South African SASAS 21-22 September 2010 Conference Proceedings – ISBN 978-0-620-47333-0.
- Wright, C. (2009) Air pollution and evaluation framework for South Africa: prioritizing vulnerable communities. *WIT Transactions on Biomedicine and Health*. 14, 55-64, WIT Press: UK, ISBN 978-1-84564-201-3.

Conference Papers and Posters

- Wright, CY, Albers, P, Oosthuizen, MA and Phala, N. Primary schoolchildren's self-reported sun-related knowledge, attitudes and behaviours: A South African school-based study. 2nd International Conference on UV and Skin Cancer Prevention, Berlin, September 2013.
- Wright, C, Coetzee, G and Ncongwane, K. (2011) Ambient solar UV radiation and seasonal trends in potential sunburn risk among schoolchildren. World Climate Research Programme Open Science Conference 24-28 October 2011. Poster W188A in Session C3.
- Wright, C, Genthe, B, John, J, Steyn, M, Oosthuizen, M, Albers, P, Le Roux, W, Pauw, C and Garland, R. (2011) Environmental pollution and exposure risks among low-income communities in Vosman / KwaGuqa / Empumelweni, Mpumalanga, South Africa. 7th Public Health Association of South Africa Conference 29-30 November 2011, Closing the health equity gap: public health leadership, education and practice: Abstract L106: p 58.
- Forbes, P., Garland, RM, Wright, CY, Louw, W, Phiri, L., Gawler, N, Mabe, M, Molisiwa, J and Brown, J. (2011). Air quality measurements in the Daspoort Tunnel, Pretoria and Health Implications. Poster presented at the 2nd Annual South African Young Scientists Conference held by ASSAf, DST and NRF, 26-27 September 2011: p 65.
- Forbes, P, C. Wright, P. Moshapo and E. Rohwer. (2010) "Characterisation of airborne particulates", *Analitika* 2010, 5-9 December 2010, Stellenbosch.

- Wright, C. (2010) The Solar UVR Exposure Research Environment in South Africa: Past, Present and Future. CSIR Biennial Conference, August-September, Pretoria.
- Wright, C and Oosthuizen, M.A. (2010) Tracking air-related health should be an integrated part of air quality management in South Africa. CSIR Biennial Conference, August-September, Pretoria.
- Wright, C. and Oosthuizen, M.A. (2009) Air quality monitoring and evaluation tools for human health risk reduction in South Africa. Paper presented at the NACA conference, 15-16 October 2009, Vanderbijlpark, South Africa.
- Wright, C., Forbes, P. and Oosthuizen, M.A. (2009) Potential Nanotoxicity Health Risks From Domestic Indoor Solid Fuel Burning Using The “Basa Njengo Magogo” Technique. Poster presented at the ISES Conference, 1-5 November 2009, Minneapolis, USA.
- Wright, C. (2009) Environmental health in South Africa: Respiratory health. Presented at the South African Society of Geographers Biennial Conference, 1-3 September 2009, Pretoria, South Africa.
- Wright, C. Y. (2009) Reducing the effects of air pollution on health. Environmental Health Risk Management Conference, 23 June 2009, Sandton, Pretoria, South Africa.
- Wright, C.Y. (2009) CSIR research in environmental health. Poster presented at the Climate Change Summit, 3-6 March 2009, Gallagher Estate, Midrand, South Africa.
- John, J., Oosthuizen, R., Matooane, M. and Wright, C. (2009) Vulnerability to air pollution: To intervene or not to intervene. Poster presented at the CSIR Conference, CSIR International Convention Centre, December 2008.
- Wright, C., Diab, R. and Binedell, M. (2008) Helping Air Quality Managers Prioritize Vulnerable Communities. Paper presented at the NACA / IUAPPA Conference, 1-3 October 2008, Nelspruit, South Africa.
- Wright, C, Reeder, A, Bodeker, G and Gray, A. (2006) A: Youth solar UV radiation exposure: A review. B: Factors influencing UV exposure of NZ primary schoolchildren, based on personal dosimetry. Abstracts of the 33rd Annual Meeting of the American Society for Photobiology, 8-12 July 2006, Rio Grande, Puerto Rico. WAM-3c, page 67.
- Wright, C., Reeder, A. and Bodeker, G. (2006) UV exposure of New Zealand schoolchildren. NIWA UV Workshop: An Update, 19-21 April 2006.
- Wright, C., Reeder, A., Bodeker, G., Allen, M. and McKenzie, R. (2005) Linking real-time solar ultraviolet radiation exposure with the social and physical environment, activities, knowledge and attitudes of New Zealand school children. 6th World Congress on Melanoma, Vancouver Convention and Exhibition Centre, Vancouver, British Columbia, Canada, 6-10 September 2005.
- Wright, C., Allen, M., Bodeker, G., McKenzie, R. and Reeder, A. (2004) Real-time measurements of ultraviolet radiation using portable electronic dosimeters, Poster presented at the Non-Ionising Radiation Workshop and Symposium, Hotel Tryp Macarena, Spain, 20-22 May 2004.
- Guy, C., Diab, R. and Martincigh, B.S. (2002) Ultraviolet Radiation Exposure of Children and Adolescents in Durban, South Africa, Paper presented at the National Institute And Water UV Workshop: An Update, Antarctic Convention Centre, Christchurch, March 2002.
- Guy, C.Y. (2000) A health risk assessment of ultraviolet radiation in Durban. Paper presented at The South African Young Geographers Conference, September 2000, University of Witwatersrand, Gauteng, South Africa.

Record of Employment

Year	Duration	Employer	Position
2013	September	CSIR Natural Resources and the Environment	Principal Scientist /

		Climate studies, modelling and environmental health Research Group	Environmental health team leader
2011	April	CSIR Natural Resources and the Environment Climate studies, modelling and environmental health Research Group Manager: Francois Engelbrecht (+27 12 841 4439)	Senior Researcher / Environmental health team leader
2009	January	CSIR Natural Resources and the Environment Environmental Health Research Group Manager: Linda Godfrey (+27 12 841 3675)	Senior Researcher / Research Group Leader
2007-8	July 2007 – December 2008	University of KwaZulu-Natal, Council for Scientific and Industrial Research Supervisors: Prof. R. Diab (+27 31 260 2300) and M. Binedell	Post-doctoral Research Fellow (Additional financial support from the NRF)
2007	Jan - June	Pretoria Boys High School Principal: Mr J. Illsley (+27 12 460 2246)	Geography Educator: grades 8, 9 and 11
2004	September	University of Otago, Department of Preventive and Social Medicine Supervisor: Nigel Dickson (+64 3 479 7211)	Tutor: Patient, Doctor and Society II
2003	Oct - Dec	National Institute of Water and Atmosphere (NIWA), Lauder Supervisor: Dr G. Bodeker (+64 3 440 0438)	Science Technician
2003	Jan - Sep	Durban Girls' High School Principal: Mrs A. Martin (+27 31 205 2284)	Geography Educator: grades 8, 10, 11 & 12
2002	Jan - Jul	School of Life and Environmental Sciences, University of Natal Head of School: Prof. R. Diab (+27 31 260 2300)	Lecturer: Atmospheric Science III Environmental Science I
2002	Jan - Jul	School of Life and Environmental Sciences, University of Natal Head of School: Prof. R. Diab (+27 31 260 2300)	Volunteer Member of the Social Committee for the International Geographical Union Annual Conference held at the Durban ICC
2002	Jan - Jul	School of Life and Environmental Sciences, University of Natal Dr D. Scott (+27 31 260 2416)	Research Assistant
2002	Jul - Dec	Centre for Environmental Management, University of Natal Director: Prof. R. Diab (+27 31 260 2300)	Environmental Manager
2001	Feb - May	School of Life and Environmental Sciences, University of Natal Head of School: Prof. R. Diab (+27 31 260 2300)	Tutor: Environmental Systems I
2001	April	School of Life and Environmental Sciences, University of Natal Head of School: Prof. R. Diab (+27 31 260 2300)	Lecturer: Environmental Legislation and Policy II Sustainable Cities III
2001	April	School of Life and Environmental Sciences, University of Natal Head of School: Prof. R. Diab	Lecturer: Ultraviolet Radiation and Human Health Environmental Systems I

		(+27 31 260 2300)	
2000/1	Nov - Jan	School of Life and Environmental Sciences, University of Natal Head of School: Prof. R. Diab (+27 31 260 2300)	Research Assistant
2000	Feb - June	School of Life and Environmental Sciences, University of Natal Head of School: Prof. R. Diab (+27 31 260 2300)	Tutor: Environmental Science I
2000	Aug - Nov	School of Life and Environmental Sciences, University of Natal Head of School: Prof. R. Diab (+27 31 260 2300)	Practical Demonstrator: Sustainable Cities III
2000	Aug - Nov	School of Life and Environmental Sciences, University of Natal Head of School: Prof. R. Diab (+27 31 260 2300)	Tutorial Co-ordinator: Environmental Legislation and Policy II
1998 – 2000	Aug - June	Bluff Health and Raquet Club (Virgin Active) Manager (+27 31 467 1001)	Frontline Receptionist and Service Co-ordinator
1999 – 2000	Dec - Jan	GibbAfrica (Durban) Consultant: Mr C. Wiid (+27 31 266 5226)	EIA Public Participation Co- ordinator
1998	Dec	School of Life and Environmental Sciences, University of Natal Professor W. Ellery (+27 31 260 2416)	Research Assistant
1998	Jul - Aug	School of Life and Environmental Sciences, University of Natal Prof. R. Preston-Whyte (+27 31 260 2416)	Research Assistant
1998 1999 2000	June June July	Olympiade Academica Director: Mr D. Nicol (+27 31 205 4554)	Administrator

General Information

Computer Literacy

Operating Systems:	Windows 95, 98, 2000, XP, Vista
Word Processors:	Microsoft Word and WordPerfect
Analysis:	Microsoft Excel; Epidata; Epidata Analysis
DTP:	Mircosoft Publisher
Other:	Microsoft Powerpoint
Referencing:	Endnote, Biblioscape, RefWorks

Personal Achievements

SMILE English Teaching Programme Certificate, 1995
 South African Red Cross First Aid Level One, 1995
 Competent Toastmasters Award, 1995
 Adult Emergency Care - Resuscitation Council of South Africa, 1999

Scholastic Record 1992 – 1996

Last School Attended:	Durban Girls' High School, Glenwood, Durban
Year of Matriculation:	1996

Education Department: Kwa-Zulu Natal Department of Education and Culture
Matriculation: Senior Certificate Matriculation Exemption
Subjects with A aggregate (HG): English (First Language); French
Afrikaans (Second Language); Mathematics
Biology; Geography
Positions Held and Awards: School Prefect 1996
House Captain 1996
House Vice Captain 1995
Toastmasters President 1995
Competent Toastmasters Award 1995
Geography subject award 1996
English essay award 1996
Honours for Oratory 1995
Academic Merit Awards 1992-1996
Academic Honours 1994-1996

Referees

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