

Publications – Overview

Scientific

> 100 international papers written as Journal articles, book chapters, editorials, forewords and conference proceedings, available upon request as part of comprehensive CV. [Most recent publications provided at end of this document.](#)

Popular/ Secular Media

Recent interview

Covid-19: ‘Leiers gewaarsku teen tsoenami’

<https://www.netwerk24.com/Stemme/Profiele/covid-19-leiers-gewaarsku-teen-tsoenami-20200716>

(articles by D. Meyer in national newspapers and magazines)

- Responsible citizenship needed in the face of Covid-19
<https://www.news24.com/news24/columnists/guestcolumn/opinion-responsible-citizenship-needed-in-the-face-of-covid-19-20200420>
- Mitochondrial DNA reveals unexpected ancestral connections
<http://theconversation.com/mitochondrial-dna-reveals-unexpected-ancestral-connections-122053>
- Is jonges dan nie bang vir Vigs nie? (Are young people not afraid of AIDS), *Sondag* (Mei 2007)
- VIGS, nie 'n siekte net vir armes, (AIDS is not just a disease of the poor) *Sondag* (Junie, 2007)
- How women have evolved from traditional to revolutionary in Izzit magazine's launch issue 2004
- Beyond Science: there's more to solving the AIDS crisis than simply science (September 2005) in *Leadership in HIV/AIDS*, magazine series of the Department of Trade and Industry, volume 1, issue 6 pg 18-20.
- VIGS, doodsvonnis van die moderne mens (AIDS, death sentence of the modern human), *Taalgenoot* (Mei 1999 & June 2000)

Personal Essays/ Poems

- Poetic justice for Mello, not enough. 2018-06-20
<https://www.news24.com/MyNews24/poetic-justice-for-mello-not-enough-20180620>
- 'n Plek van eindlose moontlikhede (translates to A place of endless possibilities), *Bravo* (Desember, 2009)
- Die Grênd colours, (translates to - The Grand Colours published in *Keur* (Junie 1999), again in 2020 on Netwerk24
- Vir Ewig Seer, (translates to – Endless pain) *Die Taalgenoot* (Junie 2000)
- Ęrens tussen iewers and nêrens (translates to – Between somewhere and nowhere) *Beeld* (August 1998), this essay was also used as the comprehension testing section (begripstoets) of the Afrikaans First Language HG Senior Certificate Exam Paper in 1999

Recent Scientific Publications

1. De Canha MN, Kishire N, Kumar V, **Meyer D**, Nehar S, Singh B, Lall N (2018) The potential of *Clausena anisate* (wild) Hook.f.ex Benth against *Propionibacterium acnes*. *South African Journal of Botany*, 119: 410-419.
2. Henley-Smith, C.J., Botha, F.S., Hussein, AA, Nkomo, M, **Meyer D**, Lall N (2018). Biological activities of *Heteropyxis natalensis* against micro-organisms involved in oral infections. *Frontiers in Pharmacology* 9, art no. 291.
3. Mpinda C, **Meyer D**, Lyantagae (2018). "In vitro antimicrobial activity of extracts of some plant species used in the management of HIV/AIDS in Tanzania". *Tanzania Journal of Science* 44(1): 179-190.
4. Oosthuizen, C, Arbach, M, **Meyer D**, Hamilton, C., Lall, N (2017). Diallyl Polysulfides from *Allium sativum* as Immunomodulators, Hepatoprotectors, and Antimycobacterial Agents. *Journal of Medicinal Food* 20(7), pp. 685-690.
5. Kapewangolo, P, Omolo, JJ, Fonteh, P, Kandawa-Schulz, M., **Meyer D** (2017). Triterpenoids from *ocimum labiatum* activates latent HIV-1 expression in vitro: Potential for use in adjuvant therapy. *Molecules* 22(10), art no. 1703
6. Kapewangolo, P, Kandawa-Schulz, M, **Meyer D** (2017). Anti-HIV activity of *ocimum labiatum* extract and isolated pheophytin-a. *Molecules* 22(11), art no. 1763.
7. Williams, A.A, Sitole LJ, **Meyer D** (2017) HIV/HAART-associated oxidative stress is detectable by metabonomics. *Mol. BioSyst.*(13) 2202-2217
8. Lall N, Kumar V, **Meyer D**, Gasa N, Hamilton C, Matsabisa M and Oosthuizen C (2016) In vitro and In vivo antimycobacterial, hepatoprotective and immunomodulatory activity of *Euclea natalensis* and its mode of action. *Ethnopharmacology*, (194) 740-748
9. Gama N, Elkhadir A, Gordhan B, Kana B, Darkwa and **Meyer D** (2016) Activity of phosphino palladium(II) and platinum(II) complexes against HIV-1 and *Mycobacterium tuberculosis*. *Biometals*, 29 (4) 637–650
10. Gama N, Kumar K, Erkengard E, Haukka M, Darkwa J, Nordlander E and **Meyer D** (2016) Gold(I) complex of 1,1'-bis(diphenylphosphino) ferrocene-quinoline conjugate: a virostatic agent against HIV-1. *Biometals*, (29) 389-397
11. Sitole L, Steffens F, and **Meyer D** (2015). Raman Spectroscopy-Based Metabonomics of HIV-Infected Sera Detects Amino Acid and Glutathione Changes. *Current Metabolomics* , 03, 65-75.
12. Tukulula, M., Hayeshi, R., Fonteh, P., **Meyer D**, Ndamase, A, Madziva, MT, Khumalo, V, Lubuschagne, P, Naicker, B, Swai, H, Dube, A 2015. Curdlan-Conjugated PLGA Nanoparticles Possess Macrophage Stimulant Activity and Drug Delivery Capabilities. *Pharmaceutical Research* 32(8). (IF 3.95)
13. Le Roux, K, Prinsloo, LC and **Meyer D**, (2015). Cellular injury evidenced by impedance technology and infrared micro spectroscopy. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 138, 321–330. (IF 2.13)
14. Kapewangolo, P, Omolo, J.J., Bruwer, R, Fonteh, P and **Meyer D** (2015). Antioxidant and anti-inflammatory activity of *Ocimum laiatum* extract and isolated labdane diterpenoid. *Journal of Inflammation*, 12(1):4(IF 2.02)
15. Fonteh, P, Elkhadir, A, Omondi, B, Guzei, I and **Meyer D**, (2015). Impedance technology reveals correlations between cytotoxicity and lipophilicity of mono and bimetallic phosphine complexes. *Biology of Metals*, 28 (4) (IF 2.69)
16. Le Roux, K, Prinsloo, LC and **Meyer D**, (2015). Fourier Transform Infrared spectroscopy discloses different types of cell death in flow cytometrically sorted cells. *Toxicology in Vitro*, 29, 1932-1940. (IF 3.21)
17. LeRoux K, Prinsloo LC and **Meyer D** (2014) Metallodrug induced apoptotic cell death and survival attempts are characterised by Raman Spectroscopy in *Applied Physics Letters* **105**, **123702**
18. McKnight TR, Yoshihara H, Sitole L, Martin, JN, Steffens F and **Meyer, D** (2014) A combined chemometric and quantitative NMR analysis of HIV/AIDS serum discloses metabolic

alterations associated with disease status. *Molecular Bio Systems*, (DOI: 10.1039/c4mb00347k).

19. Sitole L, Steffens F, Krüger TPJ and **Meyer D** (2014) Mid-ATR-FTIR spectroscopic profiling of HIV/AIDS sera for novel systems diagnostics in global health, *OMICS A Journal of Integrative Biology* (18), 513-523.
20. Masebe TM, Bessong PO, Ndip RN and **Meyer D** (2014) Genetic variants of *APOC3* promoter and *HLA-B* genes in an HIV infected cohort in northern South Africa: A pilot study, *International Journal of Molecular Sciences* (15), 11403-11415.
21. Williams A, Kgoadi, K, Steffens F, Steenkamp, P and **Meyer D** (2014) UPLC-MS metabonomics reveals perturbed metabolites in HIV-infected sera. *Current Metabolomics*, (2), 37-52.
22. Ellithey MS, Lall N, Hussein AA & **Meyer D** (2014) Cytotoxic and HIV-1 enzyme inhibitory activities of Red Sea marine organisms, *BMC Complementary and Alternative Medicine*, (14) 77-84.
23. Petrina Kapewangolo, Hussein, Ahmed A and **Meyer D**. (2013) "Inhibition of HIV-1 enzymes, antioxidant and anti-inflammatory activities of *Plectranthus barbatus*" *Journal of Ethnopharmacology* 149(1) 26 August 2013, Pages 184-190
24. Ellithey MS, Lall N, Hussein AA & **Meyer D** (2013) Cytotoxic, cytostatic and HIV-1 PR inhibitory activities of the soft coral *Litophyton arboretum*, *Marine Drugs*, (11) 4917-4936.
25. Williams A, Steffens F, Reinecke C and **Meyer D** (2013) The Th1/Th2/Th17 cytokine profile of HIV-infected individuals: A multivariate cytokinomics approach, *Cytokine*, (61) 521-526.
26. Sitole LJ, Williams AA, **Meyer D** (2013) Metabonomic analysis of HIV-infected biofluids, *Mol Biosyst*, (9) 18 –28.doi:10.1039/c2mb25318f.Epub2012Nov1
27. Williams A, Koekemoer G, Lindeque Z, Reinecke, C and **Meyer D** (2012). Qualitative serum organic acid profiles of HIV infected individuals not on treatment, *Metabolomics*, Volume 8 (5) 808-818.
28. Masebe TM, Bessong PO, Nwobegahay JM, Ndip RN and **Meyer D** (2012). Prevalence of MDR1 C3435T and CYP2B6 G516T polymorphisms among HIV-1 infected South African patients, *Disease Markers* 32, 43-50.
29. Fonteh PN, Keter F, **Meyer D** (2011). New bis (thiosemicarbozonate) gold III complexes inhibit HIV replication at cytostatic concentrations: Potential for incorporation into virostatic cocktails, *Journal of Inorganic Biochemistry*, (105)1173–1180.