

Journal publications

Hloni Nkomo, **Poovendhree Reddy**, Ivan Niranjana. 2018 Effectiveness of health and safety training in reducing occupational injuries among harvesting forestry contractors in Kwazulu-Natal. Workplace and Safety, DOI: 10.1177/2165079918774367

Isaac Dennis Amoah, Razak Seidu, **Poovendhree Reddy**, and Thor Axel Stenström (2018). Concentration of soil-transmitted helminth eggs in sludge from South Africa and Senegal: A probabilistic estimation of infection risks associated with agricultural application. Journal of Environmental Management. 206:1020-1027.

Folasade Esther Adeyemo, Gulshan Singh, **Poovendhree Reddy**, Thor Axel Stenström. (2018). Methods for the detection of Cryptosporidium and Giardia: From Microscopy to Nucleic acid based tools in clinical and environmental regimes. Acta Tropica <https://doi.org/10.1016/j.actatropica.2018.01.011>.

Sibiya M.N., Ngxongo T.S.P., **Reddy P**, Ghuman S, Borg D., O'Connor L., Haffejee F., Govender N. (2018). Timing of first antenatal care attendance and associated factors among pregnant women attending antenatal care in a Midwife Obstetric Unit in eThekweni District of KwaZulu-Natal province, South Africa. African Journal for Physical Activity and Health sciences (AJPHEs). 24(1) March 2018.

Isaac Dennis Amoah, Razak Seidu, **Poovendhree Reddy**, and Thor Axel Stenström (2017). Removal of soil-transmitted helminth egg in selected centralized and decentralized wastewater treatment plants in South Africa and Lesotho: Health implications for direct and indirect exposure to the effluents. Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-018-1503-7>.

Haffejee, F., O'Connor, L., Govender, N., **Reddy, P.**, Sibiya, M.N., Ghuman, S., Ngxongo, T and Borg, D. (2017). Factors associated with unintended pregnancy among women attending a public health facility

in KwaZulu-Natal, South Africa. South African Family Practice.
<http://dx.doi.org/10.1080/20786190.2017.1396790>.

Detection and quantification of soil-transmitted helminths in environmental samples: A review of current state-of-the-art and future perspectives. (2017). Isaac Dennis Amoah, Gulshan Singh, Thor Axel Stenstrom and **Poovendhree Reddy**. Acta Tropica 169:187-201

Respiratory health risks and exposure to particulate matter (PM_{2.5}) among informal waste pickers at a landfill site in Durban, South Africa. (2017). M Dalasile and **P Reddy**. African Journal for Physical Activity and Health Sciences (AJPHEs) 23 (1):45-58.

Isaac Dennis Amoah, Poovendhree Reddy and Thor Axel Stenström (2017). Effect of reagents used during detection and quantification of *Ascaris suum* in environmental samples on egg viability. Journal of Water Science and Technology. DOI: 10.2166/wst. 2017.324

Obstetric outcomes and antenatal access among adolescent pregnancies in Kwazulu-Natal, South Africa. (2017). Govender T, **Reddy P**, Ghuman S. South African Journal of Family Practice. DOI: 10.1080/20786190.2017.1333783

Prenatal exposures and DNA methylation in newborns: A Pilot Study in Durban, South Africa. 2016. Jaclyn M. Goodrich, **Poovendhree Reddy**, Rajen N. Naidoo, Kareshma Ramcharan, Stuart Batterman, Dana C. Dolinoy. Environmental Science: Processes & Impacts 18: 908-917.

Tumour necrosis factor α polymorphism (TNF-308 α G/A) in association with asthma related phenotypes and air pollutants among children in KwaZulu-Natal. 2016. MT Makamure, **P Reddy**, A Chuturgoon, RN Naidoo, G Mentz, S Batterman and TG Robins. Asian Pacific Journal of Allergy and Immunology. 2016 Mar 20. doi: 10.12932/AP0677.

Interaction between ambient pollutant exposure, CD14 (-159) polymorphism and respiratory outcomes among children in Kwazulu-Natal, Durban. 2016. MT Makamure, **P Reddy**, A Chuturgoon, RN Naidoo, G Mentz, S Batterman and TG Robins. Human and Experimental Toxicology, 1-9. DOI: 10.1177/0960327116646620.

Challenges with DOTS implementation: problems continue? Althea Rajagopaul, **Poovendhree Reddy**, Emilie Joy Kistnasamy. 2014. AJPHERD, June (S1,1): 236-246.

TNF α -308 gene polymorphism and birth outcomes: The MACE birth cohort. **Poovendhree Reddy**, Rajen N Naidoo, Anil Chuturgoon, Kareshma Ramcharan, Alisa Phulukdaree and Shivona Gounden. 2014. Journal of Advances in Biomedical Studies, 1 (1): 021-026.

Predictors of TB treatment defaulting amongst informal dwellers within the eThekweni municipality. Althea Rajagopaul, Emilie Joy Kistnasamy and **Poovendhree Reddy**. 2014. South African Journal of Infectious Diseases, 29(1): 27-32.

Monique Uwimpuhwe, **Poovendhree Reddy**, Graham Barratt, Faizal Bux. 2014. The impact of hygiene and localised treatment on the quality of drinking water in Masaka, Rwanda. Journal of Environmental Science and Health. Part A. 49: 434–440.

Poovendhree Reddy, Rajen N Naidoo, Anil Chuturgoon, Kareshma Ramcharan, Alisa Phulukdaree and Shivona Gounden. 2013. Correlation between glutathione S-transferase Mu 1 (GSTM1) and glutathione S-transferase pi gene (GSTP1) polymorphisms and markers of inflammatory stress in pregnant females. Journal of Toxicology and Environmental Health Sciences Vol. 5(3), pp. 52-59.

Poovendhree Reddy, Rajen N. Naidoo, Thomas G. Robins, Graciela Mentz, Hailing Li, Stephanie J London. 2012. GSTM1, GSTP1 and NQO1 polymorphisms and susceptibility to asthma among South African children. South African Journal of Epidemiology and Infection, 27(4):184-188.

Poovendhree Reddy, Rajen N. Naidoo, Thomas G. Robins, Graciela Mentz, Huiling Li, Stephanie J London, Stuart Batterman. 2012. GSTM1 and GSTP1 gene variants and the effect of air pollutants on lung function measures in South African children. *American Journal of Industrial Medicine*, 55(12): 1069-1077. (Appeared in Top 20 list of articles published in its domain in 2013)

Poovendhree Reddy, Rajen N. Naidoo, Thomas G. Robins, Graciela Mentz, Stephanie J. London, Huiling Li, and Richard Naidoo. 2010. GSTM1, GSTP1 and NQO1 polymorphisms and susceptibility to atopy and airway hyperresponsiveness among South African schoolchildren. *Lung*, 188(5):409-414.

Kistnasamy EJ, **Reddy P**, Jordaan J. 2009. An evaluation of the knowledge, attitude and practices of South African university students regarding the use of emergency contraception and of art as an advocacy tool. *South African Journal of Family Practice* 51(5):423-426.

Vinola Reddy, **Poovendhree Reddy**, Balakrishna Pillay and Suren Singh. 2002. Effect of aeration on the production of hemicellulases by *T. lanuginosus* SSBP in a 30 IRed bioreactor. *Process Biochemistry*, 37:1221-1228.

Suren Singh, **Poovendhree Reddy**, Jacques Haarhoff, Peter Biely, Bernard Janse, Balakrishna Pillay, Dorsamy Pillay and Bernard Prior. 2000. Relatedness of *Thermomyces lanuginosus* strains producing a thermostable xylanase. *Journal of Biotechnology*, 81:119-128

Postgraduate Supervision

Name & surname of student	Supervisor	Co-Supervisor	Title	If graduated / Year	Output
---------------------------	------------	---------------	-------	---------------------	--------

Faculty: Masters Supervision

Kayshia Deepnarain	Dr N Govender	Prof P Reddy	Epidemiology, Maternal Health	Current	
Chibuzor Madu	Prof TA Stenstrom	Prof P Reddy	Wastewater Treatment		
Prasni Rattan	Mr Greg Bass	Prof P Reddy	Dental Technology		

Name & surname of student	Supervisor	Co-Supervisor	Title	If graduated / Year	Output
EH Supervision					
Hawa Bakari	Prof P Reddy	Dr N Govender	Epidemiology, Maternal Health	Current	
Nikistra Arjun	Dr N Govender	Prof P Reddy			
Sithe Madlala	Prof P Reddy	Ms M Dalasile	Food Hygiene		
Sihle Shezi	Prof P Reddy	Prof RN Naidoo	Air Pollution, Respiratory Health		
Lizibeth Matinya	Prof P Reddy	Dr R Moodley	Water Quality		
Lukhanyo Magabuko	Prof P Reddy	Dr R Moodley			
Levani Naidoo	Prof P Reddy	Prof C Aldous	Epidemiology		
Melishnee Ruthanum	Prof P Reddy	Prof D Pillay	Climate Change		
PhD Supervision					
Folasade Esther Adeyemo	Prof TA Stenstrom	Prof P Reddy	Wastewater treatment	Current	1 publication 3 in prep
Nashia Deepnarain	Prof F Bux	Prof P Reddy			1 publication under review 3 in prep
Andiswa Unathi Badela	Prof TA Stenstrom	Prof P Reddy			1 international conference proceeding

Trishka Govender		Prof P Reddy	Dr N Govender	Epidemiology		
Philisiwe Mthembu	K	Prof P Reddy		Occupational Health		

Name & surname of student	Supervisor	Co-Supervisor	Title	If graduated / Year	Output
Successful Postgraduate Supervision completed					
Philisiwe Mthembu	Prof P Reddy	Mr S Gabela	Psychological, physiological and occupational effects of shift work. Supervisor	2017	1 publication under review 1 national conference
Fariya Sheik	Prof F Swalaha	Prof P Reddy	Sources and control of bacterial contamination during spinal manipulation.	2017	
Muhammed Ogunlola	Dr N Govender	Prof P Reddy	Longitudinal assessment of pro-angiogenic and anti-angiogenic factors in normotensive pregnancies complicated by HIV in a KwaZulu-Natal cohort.	2017	1 publication under review
Isaac Dennis Amoah	Prof TA Stenstrom	Prof P Reddy	Risk of Soil Transmitted Helminths Infections:	2015	6 publications 2 international conferences

			Role of Appropriate Measurement Methods		
Trishka Govender	Prof P Reddy	Mrs S Ghuman	Determinants of access to BANC by young adolescents, 13-16 years on the North Coast of KZN, South Africa	2015	1 publication 1 international conference 1 national conference

Michelle Makamure	Prof P Reddy	Prof Naidoo RN Prof Chuturgoon A	A genetic epidemiological study of prevalence and association of genetic polymorphisms in asthma related phenotypes among children in Durban, Kwazulu-Natal	2013	2 publications 1 international conference
Monique Uwimpuhwe	Prof P Reddy	Mr G Barratt Prof F Bux	Microbiological drinking water quality and prevalence of waterborne diseases in Rusheshe, Rwanda	2013	1 publication 1 national conference
Monica Dalasile	Prof P Reddy	Dr S Gumede	Assessment of respiratory health risks associated with exposure to particulate matter (PM2.5) among informal waste pickers in a landfill site	2011	1 publication 1 national conference
George Mdolzini	Prof P Reddy	Mr G Barratt	A situational analysis and knowledge, attitudes and practices study of waste management	2011	1 local conference

			and recycling practices at the Durban University of Technology		
Hloni Nkomo	Prof P Reddy	Dr I Niranjan	Effectiveness of health and safety training on reducing occupational incidents among KZN harvesting contractors	2011	1 publication 1 national conference
Althea Rajagopaul	Ms EJ Kistnasamy	Prof P Reddy	A study to determine the predictors of Tuberculosis defaulting and evaluation of the DOTS programme within the Ethekwini Municipality	2011	2 publications 1 national conference