



## Short CV

Johan van Tol, PhD

Professor: Soil Science



## Courses Presented

SOIL3774 – Soil Classification, Evaluation and Land use planning – Undergraduate

SOIL4834 - Soil Classification Principles and Applications – Undergraduate/post graduate

SOIL7904 – The Soil Resource – Post graduate

## Research Focus

Hydropedology, environmental soil science; soil physics; pedology

## Most Recent Publications (n > 85)

1. Strydom, T., Smit, I.P.J., & van Tol, J.J., 2024. The effect of time since last fire occurrence on selected soil hydrological properties in a South African savanna. *Plant & Soil*, <https://doi.org/10.1007/s11104-024-06763-y>
2. Van Tol, J.J. & Bouwer, D., 2024. Hydropedology of South African soil forms and families. *WaterSA*, 50(2), 236 – 245. <https://doi.org/10.17159/wsa/2024.v50.i2.4094>.
3. Strydom, T., Smit, I.P.J., & van Tol, J.J., 2024. Short and long-term fire effects on soil C and N in an African savanna. *Geoderma Regional*. <https://doi.org/10.1016/j.geodrs.2024.e00802>.
4. Malongweni, S.O. & van Tol, J.J., 2024. Effects of herbivory, fire, and vegetation type on soil compaction and aggregate stability in a semi-arid savanna. *Environment, Development and Sustainability*. <https://doi.org/10.1007/s10668-024-04489-6>
5. Van Zijl, G.M. & van Tol, J.J., 2024. Digital soil mapping enables informed decision-making to conserve soils within protected areas. *South African Journal of Plant and Soil*. 40, 216 – 226. <https://doi.org/10.1080/02571862.2023.2255158>

## Fun Fact

Avid bird photographer who photographed close to 650 species in Southern Africa. Trail runner, husband of one wife and father of three sons.