

## Dr Wayne F Truter

### *Land Rehabilitation Specialist*

*BSc (Agric); MSc (Agric); PhD; MGSSA, LRS, IAEA Can. Pri. Sci. Nat*



Wayne is currently employed by the University of Pretoria as a senior lecturer and researcher, in the Department of Plant Production and Soil Science, in the Faculty of Natural and Agricultural Sciences. Wayne holds a B.Sc. Agric degree in Animal / Pasture Science, M.Sc. Agric in Rangeland and Forage Science, Ph.D in Integrated Agricultural and Environmental Sciences. Wayne's main field of specialization is to understand the interrelationships between soil, vegetation, water and animals in the Land reclamation (rehabilitation) of mined and disturbed agricultural land.

This work also includes:

- the agricultural use of agricultural and industrial by-products (waste), coal combustion by-products, poor quality mine water and effluents, especially in land reclamation to establish sustainable agricultural systems on such land.
- Revegetation of rehabilitated soils to establish specialized agricultural (pasture) production systems.

He is currently the manager of research projects for the:

- South African Water Research Commission (WRC),
- Southern African mined land reclamation projects for
  - Coaltech - the Coal Mining Research Association of the South African Chamber of Mines,
  - BHP Billiton, Xstrata Coal, Anglo Coal, TOTAL SA, Coal of Africa, Optimum Coal,
  - SASOL, ESKOM and various seed companies (Advanced Seed, Pannar etc.)

Professional responsibilities:

- The *Founder Member* and 1<sup>st</sup> *President* of the Land Rehabilitation Society of Southern Africa (**LaRSSA**),
- *Past President* of the Grassland Society of Southern Africa (**GSSA**) and
- *Vice President* of the South African Coal Ash Association (**SACAA**).
- *Principal Advisor* to **Grass SA**.
- **Head:** Land Rehabilitation Services Unit at the Business Division of the University of Pretoria
  - conducts monitoring and assessments for consulting engineering- and environmental consulting companies such as: Aurecon, Jones and Wagner, Digby Wells, Golder Associates, ERM and many others.
- *Member* of TCTA (Trans Caledon Tunnel Authority) panel of experts on land rehabilitation of installed pipelines.
- *Associate Editor:* African Journal of Range and Forage Science
- *Life Member* of the American Society of Mining and Soil Rehabilitation (**ASMR**).

He conducts undergraduate training in:

- Environmental Resource Assessment and Monitoring
- Sustainable Agricultural Production Systems (Pasture production / Grazing systems)
- Pasture Science.

His post graduate training responsibilities:

Land Reclamation and Sustainable Agricultural Production Systems / Pasture Sciences:

- Graduated 20 post graduate students to date.
- Currently supervises 3 Hons students, 13 MSc students and 3 PhD students

Numerous Scientific publications: on all the above fields of expertise.

Wayne has spent 15 years establishing environmentally acceptable methods of reclaiming disturbed areas and using by-products in land reclamation, to ultimately re-vegetate these areas with selective pastures (grasses and legumes) to improve the agricultural potential of these degraded areas.