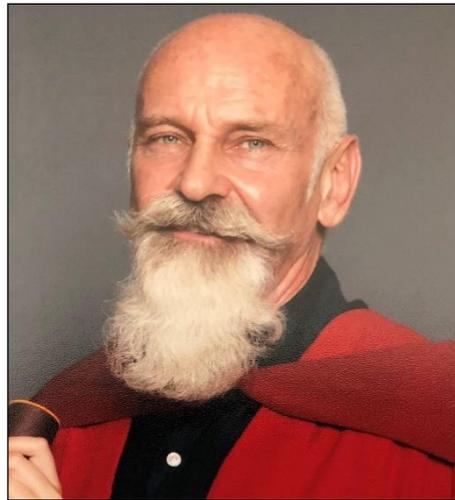


Brief Curriculum Vitae

Dr Christo Malan Agrilibrium



1. BACKGROUND

Dr Christo Malan did his studies in the Natural Sciences and specialised in Applied Plant Physiology. Developed effective nutritional and soil remediation products for the agricultural sector, therefore applying science to develop commercial products and concepts.

Specific research and application interest is researching and developing nutritional solutions and products for both plants and animals that will support and sustain the biochemical cell protection mechanism that protects cell membranes against damage and destruction by oxygen radicals formed in living tissue when subjected to stress conditions. This cell membrane protection mechanism, also known as the anti-oxidant system and its direct relationship with nutrition was researched and studied by Dr Malan during his post-doctoral studies at the Department of Genetics at the Weizmann Institute of Science in Israel and the results was internationally published and reported on.

Based on the research findings several commercial products were developed and is still used widely as plant stress management products.

2. ACADEMIC QUALIFICATIONS

- 1976: BSc – Botany, Zoology, Chemistry. University of Pretoria
- 1977: BSc (Hons) – Botany, Microbiology. University of Pretoria
- 1980: MSc – Plant Physiology. University of Pretoria
- 1986: PhD – Plant Physiology. University of Stellenbosch.
- 1987: Post-Doctoral study – Plant Stress Physiology. Weizmann Institute of Science, Rehovot, Israel.

3. CAREER HISTORY

3.1 Scientific: Involved in Agricultural research at the Grain Crops Research Institute during 1977 – 1988 as Scientist/Assistant Director Research.

During 1988 – 1990 he joined the Plant Biotechnology Research Centre at Roodeplaat as Assistant Director/Specialist Scientist. During this time did Post-Doctoral study at the Weizmann Institute for Science in Israel where the anti-oxidant system and its role in stress tolerance was researched. Published internationally in Plant Science.

3.2 Financial and project development: He gained experience on the financial and project development side of the Agricultural industry when working at the Industrial Development Corporation (IDC) from 1990 – 1997. As Manager - Project Development he was involved in doing economical feasibility studies for loan finance for agricultural development projects.

3.3 Research, Product Development and Marketing: In 1997 he joined Enerkom (Pty) Ltd where black coal was oxidized and humic and fulvic acids were extracted for agricultural and medicinal use. He was responsible for the first humic and fulvic acid registrations in SA

3.4 Research, Product Development and Marketing: Joined Omnia Specialities (Pty) Ltd in 1999 as R&D Manager with the following responsibilities:

- Formulating new speciality products for agriculture,
- Product testing, registration, costing, pricing
- Managing and co-ordinating research activities.
- Support marketing effort.
- Train agronomists and agents and lecture at farmer's days in support of marketing effort.

3.5 Management, Research, Product Development and Marketing: In May 2002 Dr Malan and two partners founded a company Agrilibrium Pty Ltd. He incorporated his plant physiology knowledge and practical applied experience specifically related to stress tolerance to develop novel specialist plant growth promoting, organelle protecting nutrition products. Also developed, in collaboration with various universities, soil amelioration products and plant growth enhancement microorganisms.

Also involved in consultancy work in South Africa, Zimbabwe, Zambia, Botswana, Norway and Australia. He also managed Agrilibrium for 4 years as Managing Director.

4. Publications and Awards

Receive in 1988 and 1990 the D F Retief floating trophy for the best papers read at the respective Crop Production Congresses.

Published 16 scientific papers and presented 37 papers at local and international congresses.

Full member of the South African Council for Natural Scientific Professions.

Serves on Technical committee of Fertasa