

CURRICULUM VITAE: DR W P BURGER (Willem)

QUALIFICATIONS:

B.Sc. Agriculture HOD, B.Ed.

M.Ed.: Agricultural education at secondary school level in the Republic of South Africa: A critical-comparative study of certain educational administrative and organisational aspects

D.Ed.: A didactical research into the relevance and efficiency of agricultural education in the developing regions of Southern Africa

Assessor (NQF l5) Assessor number: ABUR 4623

Moderator (NQF L6) Moderator number: MBUR 9362

PRESENT OCCUPATION:

Member, CURMO Designs cc

Specialist in curriculum design, educational research, education and assessment.

Special focus: Rural development

WORK EXPERIENCE:

Teaching/lecturing

1971 - 1983 Secondary and tertiary education sectors (Teachers' training)

1984 - 1986 Subject-advisory, Agricultural Education and Training

Research

1986 - 1995 Senior Deputy Chief Director, Department of Education

Curriculum Development:

Physical Sciences

Agricultural Education and Training

Biology

Vocational education and training

FUNCTIONAL EXPERIENCE:

- Teaching/lecturing in Agricultural science, Field husbandry, Animal husbandry, Agricultural technology, Agricultural economics
- Curriculum development
- Development of learning support materials
- Conducting research: Relevant education and training in rural areas, career education in agriculture, processing/food industry.
- Assessment, monitoring and evaluation
- Develop rural economic development models.
- Project planning, implementation and monitoring.
- Facilitate Certificate and Diploma programmes.

PUBLICATIONS, *inter alia*:

- Co-author: Agricultural management Practice. FET Series Grade 10-12 (2010-2012) CURMO Designs (Pty) Ltd.
- Co-author Agricultural Science FET series Grade 11 -12 (2011 - 2012). Macmillan.

- Primary agriculture. FET Series. (2006 - 2008. Macmillan and Troupant Publisher)
- Co-author, Agricultural Science for All. FET Series for Grades 10-12, including OBE Teachers' Guides. (2004-2006. Macmillan Publishers.
- The New Agricultural Science. Series for Grades 10 - 12. 1995. Hodder & Stoughton.
- New Modern Agricultural Science. Grades 8 - 9. 1987. Kagiso.
- Gardening: Fun and Fact Series. Grades 3 - 6. 1994. Via Africa.
- ABET Applied Agriculture Series. 1999. Stimela/NASPERS.
- A curriculum design for adult education, training and entrepreneurial development in targeted areas (Private Research Report). 1995. Africa Co-operative Action Trust (ACAT). Pietermaritzburg.
- Solar energy for activating rural and home-based industries for the Department of Mineral and Energy Affairs: A situation analysis and implementation model. Department Mineral and Energy Affairs. 1996. Pretoria.
- Report on research tour to Israel and various states of the USA: A comparative study to determine the effectiveness and relevance of agricultural education in South Africa, 1987.
- Report on the investigation of relevant education in rural areas. 1993. Department of Education.

PAPERS DELIVERED, *inter alia*:

- A relevant education and training programme for rural development. Eighteenth meeting of the Standing Committee of SARCCUS aimed at education and training, Mmabane, Swaziland, August 1991.
- Maintaining of standards through legitimising career education in co-operation with the private sector. Congress of Education Association of South Africa, (EASA) in Bloemfontein, 15-17 Jan 1992.
- Agricultural extension by motivating the youth through agricultural education. Conference, South African Association of Agricultural Extension, Mmabato, Bophuthatswana, 5 March 1992.
- The validity of criteria (indicators) appropriate for evaluating extension work done in rural areas. Meeting of Standing Committee, SARCCUS. Windhoek, Namibia, August 1992.
- Agricultural education and training with the aim of rural development, a new perspective on community centred education and training. Annual Congress, Western Cape Agricultural Union, 26 - 27 July 1994.
- Motivating and encouraging the youth of Africa to participate in agricultural and rural development through relevant and effective vocational education. Twenty-first meeting of SARCCUS Standing Committee for Education and Extension (EDEX), Stellenbosch, 1 - 5 August 1994.
- The feasibility of relevant and efficient education and training programmes to address the needs of rural Southern Africa. South Africa - FSRE Conference, Windhoek, Namibia, 1 to 2 November 1994.
- State-aided, career-directed schools as community-centred instruments to rural development, Farm School Conference, Bothaville, 9 March 1995.
- Curriculum development for the primary school phase to ensure relevancy to needs of rural communities, Farm School Conference, Bothaville 10 March 1995.

- Conditions for effective vocational education and training programmes for rural development. International Vocational Education and Training Association conference 1995. 1-5 May 1995. Sun City.
- A holistic approach to small farmers' development. SASAE/NEPC joint conference, 27-29 June 1995.
- Curriculum-based solutions to the educational dilemma of rural communities. EASA. Annual conference 17-19 January 1996.
- A development strategy to address poverty in rural areas: The role of the state. Society for Agricultural Extension. Annual Conference, 13-15 May 1997.
- Removing barriers to the use of renewable energy for thermal application in disadvantaged rural communities. Paper presented at the International Conference on Solar Cooking, Kimberley, South Africa. 2000.

COMMITTEES *inter alia*:

Member of:

- Standards Generating Task Team: Electives, Department of Education(1998), Assessment Task
- Team, Department of Education (1998), Education Association of SA (EASA), South African
- Farming System Research Extension (FSRE), S A Association for Agricultural
- Extension (SASAE), South African Board of Education and Training in Agriculture (SABETA),
- Association for the Study of Educational Evaluation in Southern Africa (ASEESA), South African
- Network of Animal Traction (SANAT), Steering Committee for the Productive Urban Open
- Space Management (POSM).
- Chairman of:
Interdepartmental Syllabus Committee for Agricultural Education and Training,
Core syllabus Committee for Agricultural Education.

RECENT AND PRESENT PROJECTS:

- Consultant for Dihlabeng Land Reform Project (in association with Provincial Department of Education).
- Consultant for Willem Nicol Education Trust.
- Consultant to Africa Co-operative Action Trust(ACAT) in Eastern Cape, KwaZulu-Natal and Swaziland branches
- Co-ordinate the development of ABET learning support materials for Stimela/NASPERS
- Research the utilizing alternative energy sources to stimulate economic development in the rural areas (project for the Department of Mineral and Energy Affairs)
- Research to determine the training needs of the secondary agricultural sector.