

Steven Worth (PhD)

Curriculum Vitae

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Date of Birth: 1 February 1956
Nationality: South African/USA (Dual citizen)
Family Status: Married, 5 children

EDUCATION

- 2009** PhD in Agricultural Extension and Rural Resource Management
University of KwaZulu-Natal, Pietermaritzburg, South Africa
Research: Assessing the appropriateness of agricultural extension education in South Africa
- 1994:** Master of Agricultural Management
University of Natal, Pietermaritzburg, South Africa
- 1978:** Bachelor of Science (Cum Laude) Agricultural Business
California State University at Fresno, California, USA
- 1988-1996:** Extensive Training in Management and Agricultural Extension
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EMPLOYMENT RECORD/PROFESSIONAL HISTORY

2001-Present: University of KwaZulu-Natal, Pietermaritzburg, South Africa,

2005-Present: Centre for Environment, Agriculture and Development (CEAD)

Full-time Senior Lecturer. Lecturing and research in Agricultural Extension and Rural Resource Management (2005-present) and Community Resource Management. (2005-2007)

Director Teaching and Learning (2005-present)

Academic Director: Agricultural Extension and Rural Resource Management

Supervisor for 15 masters candidate and co-supervisor for 3 doctoral University of KwaZulu-Natal (2001-present)

2001-2005: Centre for Rural Development Systems (CERDES)

Full-time Senior Lecturer. Lecturing and research in Extension and Resource Management and Community Resource Management. (2001-2005)

Manager undergraduate programme for Extension and Resource Management

Acting Director (2004-2005)

1996-2001: Worth Consulting (as full-time occupation)

1979-1996: Agricor, Mmabatho, South Africa

Served 17 years in the field of agricultural and rural development in previously disadvantaged areas. Details of this service are set out below.

1993-1996: Regional Manager : Western Region

1991-1993: District Manager : Ditsobotla District

1988-1991: District Manager : Molopo District

1986-1988: Group Cooperative Development Coord.

1981-1985: Public Relations Officer

1979-1981: Agricultural Economist

1978-1979: Bahá'í National Teaching Office, Wilmette, Illinois, USA, Administrative Assistant

1976-1978: Fresno County Department of Agriculture, Fresno, California, USA, Seasonal Agricultural Inspector

Consultancies

Worth Consulting, Howick, KwaZulu-Natal, South Africa

Providing a range of consultancy services in the field of agricultural and rural development, summarised as follows:

Agricultural Policy (Extension and Education)

- Strategy Development and Change Management for Fort Cox Forestry & Agricultural Training Institute (2009; in progress)
- Strategic plan for restructuring Grootfontein College of Agriculture. A facilitated strategic planning session to identify the way forward for the agricultural college and developed framework for strategic plan. (2008)
- Norms and Standard for South Africa's Colleges of Agriculture. A commission to provide a framework for the governance and management of South Africa's Colleges of Agriculture under a unified and integrated system (2008): Consultant to the National Department of Agriculture.
- Transformation of South Africa's Agricultural Colleges of Agriculture. An investigation into the placement of colleges of agriculture for the future (2007): Consultant to the National Department of Agriculture
- National Strategy for Agricultural Education and Training: FAO (2003-2004): Co-author of strategy for the South African National Department of Agriculture
- Agricultural Extension Strategy: Institute for Natural Resources (2002-2004): Co-designer of agricultural extension strategy for the KwaZulu-Natal Provincial Department of Agriculture and Environmental Affairs.

Agricultural Training

- Unit Standards and Qualifications for Agricultural Extension: Agri-Seta (2005-2006): Consultant and key writer of unit standards and qualifications for NQF Levels 6&7
- Market-oriented farming in Africa: FAO (2003-2005): Co-author and designer of training manual. Field testing of material/Training. Final editing.
- Farm Economics Hand Book : Risk Management : FAO (2004) : Editor
- Farm Business Schools: training manual : FAO (2006: currently in production): Principal author/editor
- Farm Management Extension Guide: Market-oriented Farming : FAO (In production): Co-author/editor

Facilitation (with particular skills in high conflict settings)

- Various between 1996-present in South Africa for National Department of Agriculture, KwaZulu-Natal Provincial Department of Agriculture, Catholic Development Department, BEE Consortium, Land Resources International, Cedara Agricultural College, Noodsburg Cane Growers Association, Land Resources International, Working for Wetlands, World Wildlife Fund, National Agricultural Research for Development Task Team (International Centre for Development Oriented Research).

Community Empowerment Programmes

- Spirit of Africa; Spirit of Africa Institute Programme (1996-1998) Individual and community empowerment programmes based in the performing arts.

Rural Development/Enterprises

- Wild Silk Project: CSIR (1997-2001): Planning and implementing all aspects of a new textile industry in a rural community, utilising natural resources and applying principles of sustainable livelihoods.

Land Reform/Tenure Projects business plans

- Various between 1997 and 1999 for the Department of Land Affairs, KwaZulu-Natal.

EDUCATIONAL & TRAINING PROGRAMMES DEVELOPED

Farm Management

- Market oriented farm management training materials aimed at smallholder farmers in Africa (FAO)
- Farm Business School training materials aimed at smallholder farmers in Africa (FAO) (currently in production)

Advanced Agricultural Extension

- Short course on agricultural extension theory and practice developed for retaining of mid-career agricultural extension practitioners.

Organisation and Project Management

- Core module of the Bachelor of Agriculture degree programme at the University of KwaZulu-Natal

Extension Placement

- Core/Capstone module of the Bachelor of Agriculture degree programme at the University of KwaZulu-Natal.

Rural Wealth Creation and Rural Economic Systems

- Core modules of the Bachelor of Agriculture degree programme at the University of KwaZulu-Natal.

Agricultural Extension Training Programme

- A six-module training programme designed to equip front-line staff, working at the 'coal-face' and their supervisors and managers with knowledge, volition and a mechanism for planning, implementing and monitoring their development actions.

Local Spiritual Assembly Development Programme (co-authored with Dr. A Shaker)

- A ten-module training programme developed for the National Spiritual Assembly of the Bahá'ís of South Africa. Incorporates theory, practical lessons and games.

Spirit of Africa (co-authored with Mrs. K Worth)

- A collection of study programmes aimed at personal and community empowerment. Incorporates theory, practical lessons, games and performing arts.

SKILLS INVENTORY

Development (Agriculture & Rural)

- Sustainable Livelihoods Methodologies
- Agricultural/Community Development Extension
- Proposal formulation & evaluation
- Project Planning
- Transformation of State Schemes/Projects
- Policy formulation & policy evaluation
- Integration of applied science at local community level

Agricultural Education & Training

- Research and policy development
- Outcomes-based curriculum development
- Workshop facilitation

Curriculum Development

- Applying outcomes-based principles to university-level curricula
- Designing and presenting learning modules with multi-learning portals

Planning

- Agrarian settlement planning/Integrated planning
- Strategic planning (including SWOT)
- Feasibility studies

Management

- Development Project Management
- Front-line management systems

Facilitation

- Strategic planning workshop facilitation
- Facilitation in high conflict potential settings

Other Skills

- Computer literate
- Copy-writing

PAPERS PUBLISHED/PRESENTED

Gastao Lukanu, J Maryann Green, Steve Worth, (2009). Aspects of profitability that influence smallholder cash crop preferences in northern Mozambique. *Development Southern Africa*, (26) 5, 755 – 777.

Worth, SH, (2009). An assessment of the appropriateness of agricultural extension education in South Africa. Doctoral Thesis. University of KwaZulu-Natal.

Vatta, AF, de Villiers, JF, Gumede, SA, Harrison, LJS, Krecek, RC, Mapeyi, NP, Pearson, RA, Rijkenberg, FHJ, Worth, SH, (2008). Participation of Zulu Farmers in a Goat Health Research and Extension Project in South Africa. *Journal of International Agricultural and Extension Education* (15)3, 81-93.

Worth, SH, (2008). Developing Curriculum Markers for Agricultural Extension Education in South Africa. *Journal of Agricultural Education and Extension*. 14 (1) pp. 21-34.

Worth, SH, (2007). Tertiary agricultural extension education in South Africa: time for a revolution. *Proceedings of the 41st Annual Conference of the South African Society of Agricultural Extension*. 8-10 May 2007, Pietermaritzburg, South Africa.

Worth, S, (2007). The South African education agenda: identifying markers for rewriting agricultural extension curricula. *The Journal of Agricultural Education and Extension*, 13 (2), pp. 131-145[Short listed for the best article of the year]

Green, Maryann, Gastao Lukanu, Steve Worth, Peter L. Greenfield, (2006). Use of wealth ranking to analyse factors influencing smallholder farmers' market participation in northern Mozambique. *Development Southern Africa*, 23 (5 December 2006), pp. 669 - 683

Worth, S, (2006). Agriflection: a learning model for agricultural extension in South Africa. *The Journal of Agricultural Education and Extension*. 12 (3) pp. 173-193

Worth, S, (2006). The South African education agenda: identifying makers for rewriting agricultural extension curricula. *Proceedings of the 40th Annual Conference of the South African Society of Agricultural Extension*. 9-11 May 2006, Kruger Park, South Africa.

Worth, S, (2005). "Travelling the Prosperity Pathway: a joint adventure of farmers and development practitioners" awaiting publication in the conference proceedings of the Livestock Production Programme Workshop, 12-15 September 2005, Dargle, South Africa.

Lukano, G, Green, M, Greenfield, P, Worth, S, (2004). Farmers' cash crop cultivation decisions in Southern Niassa province, Mozambique. *Development Southern Africa*. 21 (3) pp 531-554

"Walking the spiritual path with practical feet: Ethics in development" (2002 India; Published as chapter in Towards a Hunger-free World: Ethical Dimensions 2004)

"Sustainable Agricultural Extension: not transformation, but renewal" (2002)

"Agricultural Knowledge and Information Systems (AKIS): Considerations for South Africa" (2001)

"Releasing Human Capacity: the key to empowerment and prosperity" (1995)

"The Management of Agricultural Development in Bophuthatswana" (Masters Thesis 1994)

OTHER ACTIVITIES & ACHIEVEMENTS

Member 2009, Academic Advisory Board for the Department of Agriculture, Mangosuthu University of Technology

Member 2008 – present, KwaZulu-Natal Provincial Agricultural Education and Training Task Team

Member 2004 – 2006, Academic Board of Cedara Agricultural College

Member 26 August - 4 September 2002, accredited delegation representing the International Environment Forum at the World Summit on Sustainable Development

Member 26 August - 4 September 2002, accredited delegation representing the Centre for Rural Development Systems at the World Summit on Sustainable Development

Member 2003 - present, National Executive Board of the South African Society for Agricultural Extension

Member (Chairman) 2003-2008, KwaZulu-Natal Branch of the South African Society for Agricultural Extension

Member (Secretary) 2000-2005, Executive Committee of the KwaZulu-Natal Agricultural Development Forum

Member 1997-2006, (Executive member & Secretary 1998-2002), Midlands Rural Development Network (MIDNET)

Member 1996-present, Treasurer (2000- 2001), Recording Secretary (2006-present), National Spiritual Assembly of the Bahá'ís of South Africa

Editor (2002- 2006) South African Bahá'í News; a semi-monthly journal for the Bahá'í community of South Africa

Member (1981-1995), General Secretary (1981-1986, 1988-1992), Assistant Secretary (1992-1995) of the National Spiritual Assembly of the Bahá'ís of Bophuthatswana.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- Association of International Agricultural Extension and Education
- International Environment Forum
- South African Society for Agricultural Extension

References

Dr. I Abedian

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Box 87125,
Houghton, 2041, South Africa
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Dr. D Kahan

Agricultural Economist
Agricultural Management, Marketing and
Finance Service (AGSF)
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FAO,
Rome, Italy
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Mr MJ Kgobokoe,

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Ms M Salomon

Agricultural Extension
CEAD – UKZN
P/B X01
Scottsville, 3209, South Africa
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