

**CURRICULUM VITAE**

**Proposed role in the project:** Expert 3: Technical Advisor in Dodoma  
**Category:** I  
**Staff Member of:** Sokoine University of Agriculture, Tanzania

1. **Family Name:** Salim
2. **First Names:** Baanda Ayub
3. **Date of birth:** 27.08.1959
4. **Passport Holder:** Passport No. TAE043666 issued by the United Republic of Tanzania
5. **Residence:** Kilimo Road House No. 9, Sokoine University of Agriculture Main Campus, Tanzania

**6. Education:**

<b>Institution : Date from- Date to</b>	<b>Degree(s) or Diploma(s) obtained:</b>
University of Dar es Salaam, Tanzania: 1981 - 1985	BSc (Electrical Engineering)
University of Newcastle upon Tyne, UK: 1986 - 1987	MSc (Agricultural Engineering)
University of Bonn, Germany: 1994-1999	PhD (Computer Modelling and Simulation)
University of Oldenburg and Berlin, Germany: 28 <sup>th</sup> August to 12 <sup>th</sup> September 2007	I attended a two weeks training course on Quality Assurance in Higher Education Part I. Awarded a certificate of participation.
White Sands Hotel & Resort, Dar es Salaam, Tanzania: 27 <sup>th</sup> January – 2 <sup>nd</sup> February 2008	I attended a one week training course on Quality Assurance in Higher Education Part II. Awarded a certificate of participation.
Imperial Botanical Beach Hotel, Entebbe, Uganda: 6 <sup>th</sup> – 12 <sup>th</sup> July 2008	I attended a one-week training course on Quality Assurance in Higher Education Part III. Awarded a certificate of participation in the training programme for East African Quality Assurance Officers consisting of several units (Training Courses Parts I-III, National Workshops, and University Monitoring Visits by East African and European Experts).
White Sands Beach Resort and Spa, Mombasa, Kenya: 7 <sup>th</sup> – 9 <sup>th</sup> June 2010	I participated in a workshop on Strengthening Leadership and Management Competencies of Senior University Managers, organized by the Regional Universities Forum for Capacity Building in Agriculture (RUFORUM). Awarded a certificate of participation.
Witzenhausen Campus of Kassel University, Germany: 23 <sup>rd</sup> August to 3 <sup>rd</sup> September 2010	I participated in a two weeks Training of Trainers for University Development. Awarded a certificate of participation.
Nelson Mandela Metropolitan University, Port Elizabeth, South Africa: 31 <sup>st</sup> October to 5 <sup>th</sup> November 2010	I participated in the Short Learning Programme in Management and Leadership in Higher Education in Southern and Eastern Africa. Awarded a certificate of participation.
Dublin Castle, Dublin, Ireland: 4 <sup>th</sup> to 6 <sup>th</sup> May 2011	I participated in the Europe-Africa Quality Connect Project - Training Workshop for Experts.
Blue Pearl Hotel, Dar es Salaam, Tanzania: 5 <sup>th</sup> to 11 <sup>th</sup> September 2011	I participated in the Short Training Course on Climate Change Adaptation within the Agricultural Sector in Africa. Awarded a certificate of participation.
Imperial Botanical Beach Hotel, Entebbe, Uganda: 25 <sup>th</sup> – 26 <sup>th</sup> November 2011	I attended a climate change curriculum development meeting.
University of Aveiro, Portugal: 18 <sup>th</sup> to 20 <sup>th</sup> April 2012	I participated in the Europe-Africa Quality Connect project post-evaluation workshop.
Kenyatta University Conference Centre, Nairobi, Kenya: 18 <sup>th</sup> – 19 <sup>th</sup> February 2013	I participated in the Climate Change Curriculum Development Meeting.
Giraffe Ocean View Hotel, Dar es Salaam, Tanzania: 29 <sup>th</sup> – 31 <sup>st</sup> July 2013	I attended a Peer Reviewers Workshop organized by the Tanzania Commission for Universities (TCU) and facilitated by experts from the South African Qualifications Authority (SAQA).
Kenyatta University Conference Centre, Nairobi, Kenya: 11 <sup>th</sup> to 12 <sup>th</sup> November 2014	I participated in the Climate Change Curriculum Review Meeting.
<b>Education equals at least [Bachelor's] [Master's] [PhD] degree (equal or above level [6] [7] [8] in European Qualifications Framework or equivalent)</b>	
<b>YES NO</b>	

## 7. Language skills:

Language	Reading	Speaking	Writing
Swahili	1	1	1
English	1	1	1
German	3	3	3
<b>Reading, speaking and writing in English is excellent (level 1 in each)</b>			
<b>YES NO</b>			

## 8. Membership of professional bodies:

### Membership in Professional Organizations

President: Tanzania Society of Agricultural Engineers (TSAE).  
Chairman: Tanzania DAAD (German Academic Exchange Service) Alumni Association (2014 – Todate).  
Secretary: Tanzania DAAD (German Academic Exchange Service) Alumni Association (2011 – 2014).  
Member: Institution of Engineers Tanzania (IET).  
Student member: American Society of Agricultural Engineers (ASAE).

### Membership in Professional Networks

Member of the ResearchGate Network ([https://www.researchgate.net/profile/Baanda\\_Salim](https://www.researchgate.net/profile/Baanda_Salim))  
Member of the LinkedIn Network (<https://tz.linkedin.com/in/baanda-a-salim-6624172>)  
Member of google scholar citations  
(<https://scholar.google.com/citations?user=M350gZ0AAAAJ&hl=en>)  
Member of the academia.edu (<https://suanet.academia.edu/BaandaASalim>)

## 9. Membership in Boards and Committees (nationally and internationally):

Chairperson: Total Land Care (TLC) Tanzania Board of Trustees (July 2017 – Todate)  
Member: Project Implementation Unit (PIU), Rural Energy Agency (REA) – Tanzania (July 2017 – Todate)  
Member: World Federation of Engineering Organizations (WFEO) Standing Committee on Information and Communication (CIC)  
Member: Associate Editorial Board (AEB) of the Advances in Knowledge Communities and Social Networks (AKCSN) Book Series, published by IGI Global ([www.igi-global.com](http://www.igi-global.com), [www.igi-pub.com](http://www.igi-pub.com)).  
Member: Associate Editorial Board (AEB) of the Advances in Social Networking and Online Communities (ASNOC) Book Series, published by IGI Global ([www.igi-global.com](http://www.igi-global.com), [www.igi-pub.com](http://www.igi-pub.com)).  
Member: Editorial Review Board, the International Journal of E-Adoption (IJE) – An Official Publication of the Information Resources Management Association.  
Member: Associate Editorial Board of the Tanzanian Electronic Networking Community (TANZANET) Journal (ISSN: 1650-108X).  
Member: Board of the Faculty of Agriculture (SUA) (2008 – 2016).  
Member: Senate Undergraduate Studies Committee (SUA) (2008 – 2011).  
Chairman: Faculty of Agriculture Undergraduate Studies Committee (SUA) (2008 – 2011).  
Member: Faculty of Agriculture Undergraduate Studies Committee (SUA) (2002 – 2014).  
Chairman: Departmental Undergraduate Studies Committee (SUA) (2002 – 2014).  
Treasurer: SUA Convocation (2006 – 2012)  
Member: Executive Committee of SUA Convocation (2003 – 2012)  
Member: Board of the Faculty of Engineering, University of Dar es Salaam (2000-2003).  
Member: Computer Board, Sokoine University of Agriculture (SUA) (2000-2003).

## 10. Administrative and Other Duties Within and Outside the University:

Head: Department of Engineering Sciences and Technology (September 2016 – October 2019).  
Chairman: Tanzania DAAD (German Academic Exchange Service) Alumni Association (2014 – Todate).  
President: Tanzania Society of Agricultural Engineers (TSAE) (2003 – Todate).  
Chairperson: Total Land Care (TLC) Tanzania Board of Trustees (July 2017 – Todate)  
Member: Project Implementation Unit (PIU), Rural Energy Agency (REA) – Tanzania (July 2017 – Todate)  
Deputy Coordinator: Quality Assurance and Promotion Bureau (2009 – 2012).  
Coordinator: End of Year/Semester University Examinations (2000-2008).

Invited Member: Committee of Vice Chancellors and Principals in Tanzania (CVCPT) (2000 – 2004).

Chairman: Taskforce on Draft of the SUA Transport Policy.

Chairman: Taskforce on Review of Semester Prospectus (2001 – 2009).

Chairman/Member: Various Search and other Committees/Taskforces at SUA.

Vice Chairman: The Tanzanian Electronic Networking Community (TANZANET) (2001 – 2002).

Secretary: Sokoine University of Agriculture Academic Staff Association (SUASA) (2000 –2004).

Secretary: Tanzania DAAD (German Academic Exchange Service) Alumni Association (2011 – 2014).

Executive Secretary: Sokoine University of Agriculture Muslim Community Trust (SUAMCT) (2002-2006).

Member: Technical Committee for the Matriculation Examination (2002/2003 - 2007/2008).

Member: Taskforce on Draft of the SUA Health Policy.

Member: Taskforce on Draft of the SUA Farm Policy.

Member: Taskforce on Draft of the SUA Institutional HIV/AIDS Policy.

Member: Taskforce on Conducting a Situation Analysis of Low Turn-up of SUA Freshers for the 2005/2006 Academic Year.

Course Coordinator: BSc (Agricultural Engineering) Degree Programme (2008 – 2014).

Invited Member: SUA Planning and Estates Sub-Committee (2000-2004).

Member: SUA Health Committee (2000-2004).

Member: SUA Self Insurance Fund Claims Committee (2000-2004).

Member: Steering Committee for Running of Mazimbu Hospital during Transition Period (1st July 2004 – 30th June 2005).

Counsellor: SUA Voluntary Counseling and Testing (VCT).

#### **11. Seminars/Conferences/Workshops/Courses/Training Attended:**

1. In July 1998 I attended the Annual International Meeting of the American Society of Agricultural Engineers (ASAE) held in Orlando, Florida, U.S.A.
2. In November 1999 I attended the Fourth Annual Research Conference of the Faculty of Agriculture, Sokoine University of Agriculture, held at Sokoine University of Agriculture, Morogoro, Tanzania.
3. In April 2000 I attended the First University-Wide Scientific Conference held at Sokoine University of Agriculture, Morogoro, Tanzania.
4. In April 2001 I attended a three days' Workshop on Students Assessment Tools at Tumaini University, Kilimanjaro Christian Medical College, Moshi, Tanzania.
5. In January 2002 I attended the Sokoine University Stakeholders Conference held at the ICE Conference Hall – SUA, Morogoro, Tanzania.
6. In May 2002 I attended the "Second University-Wide Scientific Conference held at Sokoine University of Agriculture, Morogoro, Tanzania.
7. In December 2002 I attended the 2<sup>nd</sup> National Multisectoral AIDS Conference in Tanzania held at the Arusha International Conference Centre, Arusha, Tanzania.
8. In January 2003 I attended the Engineers Registration Board (ERB) Special Meeting and the 1<sup>st</sup> Annual Engineers Day held from 13<sup>th</sup> – 14<sup>th</sup> January 2003 at Karimjee Hall, Dar es Salaam, Tanzania.
9. In January 2003 I attended a CAMARTEC Workshop on Work Programme Evaluation and Strategic Planning held from 21<sup>st</sup> – 23<sup>rd</sup> January 2003 at the CAMARTEC Headquarters in Arusha, Tanzania.
10. In August 2003 I attended a trainers training course on Entrepreneurship Awareness and Enterprising Teaching and Learning Methods organized by the University of Dar es Salaam Entrepreneurship Centre from 26<sup>th</sup> to 29<sup>th</sup> August at the Sokoine University of Agriculture, Morogoro, Tanzania.
11. In April 2004 I attended an International ICT Workshop 2004 on Application of ICT in Enhancing Higher Learning Education held from 28<sup>th</sup> – 30<sup>th</sup> April 2004 at White Sands Hotel, Dar es Salaam, Tanzania.
12. In May 2004 I attended a DAAD-Alumni Seminar on Adapted Technologies for Environmental Protection and International Cooperation held from 28<sup>th</sup> – 29<sup>th</sup> May 2004 at White Sands Hotel, Dar es Salaam, Tanzania.
13. In July 2004 I coordinated a two weeks training course on Entrepreneurship and Job Preparation offered to all final year students at the Sokoine University of Agriculture from 12<sup>th</sup> to 23<sup>rd</sup> July at SMC, Morogoro, Tanzania.

14. In September 2004 I attended a Workshop on Writing Proposals for Research Funding conducted by World Learning for International Development, Washington D.C., USA and financed by USAID held from 19<sup>th</sup> – 24<sup>th</sup> September 2004 at Hilton Hotel, Nairobi, Kenya.
15. In November 2004 I attended a Workshop on Assessing Impact of HIV/AIDS on University Faculties of Agriculture in East Africa conducted by World Learning for International Development, Washington D.C., USA and financed by USAID held from 3<sup>rd</sup> – 4<sup>th</sup> November 2004 at Windsor Lake Victoria Hotel, Entebbe, Uganda.
16. In November 2004 I attended a short training course to SUA staff aimed at Improving Research Skills held from 1<sup>st</sup> – 19<sup>th</sup> November 2004 at the ICE Audio Visual Room, SUA, Morogoro, Tanzania.
17. In November 2004 I attended the 2004 Annual Scientific Conference of the Tanzania Society of Agricultural Engineers (TSAE) held from 22<sup>nd</sup> to 24<sup>th</sup> November 2004 at the former TANESCO Training Centre, Morogoro, Tanzania.
18. In March 2005 I attended the Engineers Registration Board (ERB) 3<sup>rd</sup> Annual Engineers Day held from 18<sup>th</sup> – 19<sup>th</sup> March 2005 at Karimjee Hall, Dar es Salaam, Tanzania.
19. In June 2005 I attended a two-day Field Engineering Skills Transfer Course in Theory, Installation, Maintenance and Operation of VSAT Networks organized by AITEC (Tanzania) and conducted by Q-KON (Pty) Ltd, a South African-Based System Integration Corporation. The course was held from 21<sup>st</sup> – 22<sup>nd</sup> June 2005 in Dar es Salaam, Tanzania.
20. In July 2005 I attended a three-day Agricultural Mechanization Strategy Formulation Workshop organized by the Ministry of Agriculture and Food Security (MAFS) held from 6<sup>th</sup> to 8<sup>th</sup> July 2005 at the Institute for Continuing Education (ICE), SUA, Morogoro, Tanzania.
21. In July 2005 I attended a three-day Writeshop on the Parched-Thirst (PT) Model organized by the PT Help Office of the Sokoine University of Agriculture (SUA) and held from 18<sup>th</sup> to 20<sup>th</sup> July 2005 at the Department of Agricultural Engineering and Land Planning, SUA, Morogoro, Tanzania.
22. In August 2005 I attended a two-day Writeshop on the Parched-Thirst (PT) Model organized by the PT Help Office of the Sokoine University of Agriculture (SUA) held from 22<sup>nd</sup> to 23<sup>rd</sup> August 2005 at the Institute for Continuing Education (ICE), SUA, Morogoro, Tanzania.
23. In November 2005 I attended the 2005 Annual Scientific Conference of the Tanzania Society of Agricultural Engineers (TSAE) held from 21<sup>st</sup> - 23<sup>rd</sup> November 2005 at the Muslim University of Morogoro, Morogoro, Tanzania.
24. In March 2006 I attended the Engineers Registration Board (ERB) 4<sup>th</sup> Annual Engineers Day held from 23<sup>rd</sup> – 24<sup>th</sup> March 2006 at Kunduchi Beach Hotel and Resort, Dar es Salaam, Tanzania.
25. In May 2006 I attended a one-day Gender Sensitization Workshop held on 6<sup>th</sup> May 2006 at the Amabilis Centre, Morogoro, Tanzania.
26. In November 2006 I attended the 2006 Annual Scientific Conference of the Tanzania Society of Agricultural Engineers (TSAE) held from 20<sup>th</sup> to 22<sup>nd</sup> November 2006 at the Muslim University of Morogoro (MUM), Morogoro, Tanzania.
27. In November 2006 I attended the first KDSA Regional conference on The Principle of Sustainability: an Interdisciplinary View organized by the Kenya DAAD Scholar Association (KDSA) held from 30<sup>th</sup> November to 1<sup>st</sup> December 2006 at the University of Nairobi, Nairobi, Kenya.
28. In December 2006 I attended the EDULINK Workshop on ACP-EU Cooperation Programme in Higher Education organized by the DAAD Regional Office for Africa, Nairobi, Kenya held on 2<sup>nd</sup> December 2006 at the Silver Springs Hotel in Nairobi, Kenya.
29. In April 2007 I attended a two-day University Wide Workshop on Curricula Review held from 12<sup>th</sup> – 13<sup>th</sup> April 2007 at the ICE, SUA, Morogoro, Tanzania.
30. In August/September 2007 I attended a two-week training course on Quality Assurance in Higher Education held from 28<sup>th</sup> August to 12<sup>th</sup> September 2007 in Oldenburg and Berlin, Germany.
31. In September 2007 I attended a three-day workshop on solar oven technologies for educators, policy makers, and entrepreneurs held from 16<sup>th</sup> – 18<sup>th</sup> September 2007 in Morogoro, Tanzania.

32. In November 2007 I attended the Annual East African Conference of SPRING Alumni on Managing Rapid Urbanization under Poverty in East Africa held from 22<sup>nd</sup> to 26<sup>th</sup> November 2007 at Belinda Ocean Resort, Dar es Salaam, Tanzania.
33. In January/February 2008 I attended a one-week training course on Quality Assurance in Higher Education Part II held from 27<sup>th</sup> January – 2<sup>nd</sup> February 2008 at the White Sands Hotel & Resort, Dar es Salaam, Tanzania.
34. In April 2008 I attended a two-day workshop on Assessment of Experiences from the Pilot Internal Evaluation of Programmes (organized by the Tanzania Commission for Universities under the Quality Assurance in Higher Education project) held from 7<sup>th</sup> – 8<sup>th</sup> April 2008 at the Blue Pearl Hotel, Ubungo Plaza, Dar es Salaam, Tanzania.
35. In July 2008 I attended a one-week training course on Quality Assurance in Higher Education Part III held from 6<sup>th</sup> – 12<sup>th</sup> July 2008 at the Imperial Botanical Beach Hotel, Entebbe, Uganda.
36. In October 2008 I attended the DAAD – AvH Alumni Conference on “Knowledge and Research for Development in East Africa” held from 23<sup>rd</sup> – 25<sup>th</sup> October 2008 at the Laico Regency Hotel, Nairobi, Kenya.
37. In January 2009 I attended the Quality Assurance Coordinators’ Training Workshop Part IV held from 25<sup>th</sup> – 28<sup>th</sup> January 2009 at the Laico Regency Hotel, Nairobi, Kenya.
38. In May 2009 I attended a Workshop on “Innovative Networking: Launch of the Alumniportal Deutschland (APD) in Tanzania” held from 11<sup>th</sup> – 12<sup>th</sup> May 2009 at the Diamond Jubilee Hall, Dar es Salaam, Tanzania.
39. In September 2009 I participated in a two weeks “International DAAD Alumni Summer School on Integrated Watershed Management – Financial Aspects of Watershed Management” conducted from 14<sup>th</sup> – 25<sup>th</sup> September 2009 at the Kilimanjaro Crane Hotels, Moshi, Tanzania.
40. In November 2009 I attended the 6<sup>th</sup> Global Consortium of Higher Education and Research for Agriculture (GCHERA) conference held from 23<sup>rd</sup> – 27<sup>th</sup> November 2009 at the Kenyatta International Conference Centre (KICC), Nairobi, Kenya.
41. In June 2010 I attended a workshop on Strengthening Leadership and Management Competencies of Senior University Managers, organized by the Regional Universities Forum for Capacity Building in Agriculture (RUFORUM), held from 7<sup>th</sup> – 9<sup>th</sup> June 2010 at the Sarova White Sands Beach Resort and Spa, Mombasa, Kenya.
42. In August/September 2010 I participated in a two weeks Training of Trainers for University Development held from 23<sup>rd</sup> August to 3<sup>rd</sup> September 2010 at the Witzenhausen Campus of Kassel University, Germany.
43. In September 2010 I participated in a two weeks “International DAAD Alumni Summer School on Integrated Watershed Management – Financial Aspects of Watershed Management” conducted from 12<sup>th</sup> – 24<sup>th</sup> September 2010 at the Kilimanjaro Crane Hotels, Moshi, Tanzania.
44. In October 2010 I participated in an International Conference and a Training of Trainers on Staff Development: Key for Quality in Higher Education held from 11<sup>th</sup> to 15<sup>th</sup> October 2010 at the Norfolk Hotel and Kenyatta University Conference Centre, Nairobi, Kenya.
45. In October/November 2010 I participated in the Short Learning Programme in Management and Leadership in Higher Education in Southern and Eastern Africa held from 31<sup>st</sup> October to 5<sup>th</sup> November 2010 at the Nelson Mandela Metropolitan University, Port Elizabeth, South Africa.
46. In February 2011 I attended the Climate Change Adaptation and African Agriculture Grantees Convening held from 24<sup>th</sup> to 25<sup>th</sup> February 2011 at the Crowne Plaza Hotel, Nairobi, Kenya.
47. In March 2011 I attended the Research on Poverty Alleviation (REPOA) 16<sup>th</sup> Annual Research Workshop held from 30<sup>th</sup> to 31<sup>st</sup> March 2011 at White Sands Hotel and Resorts, Dar es Salaam, Tanzania.
48. In May 2011 I participated in the Europe-Africa Quality Connect Project - Training Workshop for Experts held from 4<sup>th</sup> to 6<sup>th</sup> May 2011 at the Dublin Castle, Dublin, Ireland.
49. In May 2011 I participated in a Modelling Workshop on “Strengthening Tanzania Livestock Health and Pastoral Livelihoods in a Changing Climate” held from 16<sup>th</sup> to 17<sup>th</sup> May 2011 at the Institute for Continuing Education (ICE), Sokoine University of Agriculture, Morogoro, Tanzania.

50. In May 2011 I participated in the 1<sup>st</sup> Meeting of the East African University Quality Assurance Coordinators' Network entitled "From Quality Assurance to Quality Management" held from 23<sup>rd</sup> to 27<sup>th</sup> May 2011 in Nairobi, Kenya. Awarded a certificate of participation.
51. In September 2011 I participated in the Short Training Course on Climate Change Adaptation within the Agricultural Sector in Africa held from 5<sup>th</sup> to 11<sup>th</sup> September 2011 in Dar es Salaam, Tanzania. Awarded a certificate of participation.
52. In September 2011 I attended a short course on PhD Supervision organized by the PREPARE PhD project held from 20<sup>th</sup> to 23<sup>rd</sup> September 2011 at Kibaha Conference Centre, Kibaha, Tanzania. Awarded a certificate of attendance.
53. In October 2011 I participated in the EU-ACP Cooperation in Higher Education German/African Networking Seminar held from 6<sup>th</sup> to 7<sup>th</sup> October 2011 at the Kenyatta University Conference Centre, Nairobi, Kenya.
54. In October 2011 I participated in the Institutional Evaluation exercise (first visit) at the Ahmadu Bello University (ABU) in Zaria, Nigeria conducted from 23<sup>rd</sup> to 25<sup>th</sup> October 2011 within the Europe-Africa Quality Connect Project.
55. In October 2011 I participated in the Tanzania DAAD Alumni Association Conference and General Meeting held on 28<sup>th</sup> October 2011 at the Blue Pearl Hotel, Dar es Salaam, Tanzania.
56. In November 2011 I attended a climate change curriculum development meeting held from 25<sup>th</sup> – 26<sup>th</sup> November 2011 at the Imperial Botanical Beach Hotel, Entebbe, Uganda.
57. In December 2011 I participated at the Agriculture and Rural Development Day (ARDD) held on 3<sup>rd</sup> December 2011 at the Durban University of Technology (DUT) and Forest Day 5 Conference held on 4<sup>th</sup> December 2011 at the Olive Convention Centre, side events of COP 17, in Durban, South Africa.
58. In December 2011 I participated at the second meeting of the chairpersons of DAAD Alumni associations from all over the world held from 8<sup>th</sup> – 12<sup>th</sup> December 2011 in Bonn, Germany.
59. In February 2012 I participated in a DAAD Alumni Seminar on "Capacity Building in Integrated Watershed Management for Sustainable Natural Resource Management and Conflict Resolution in Transboundary Mountainous Ecosystems of Eastern Africa" held from 12<sup>th</sup> to 23<sup>rd</sup> February 2012 in Mbale, Mt Elgon, Uganda.
60. In February/March 2012 I participated in the Institutional Evaluation exercise (second visit) at the Ahmadu Bello University (ABU) in Zaria, Nigeria conducted from 26<sup>th</sup> February to 1<sup>st</sup> March 2012 within the Europe-Africa Quality Connect Project.
61. In April 2012 I participated in the Europe-Africa Quality Connect project post-evaluation workshop held from 18<sup>th</sup> to 20<sup>th</sup> April 2012 at the University of Aveiro, Portugal.
62. In September 2012 I participated in the Regional Eastern African DIES Alumni Network (REAL) Conference on "Networking for Quality in Higher Education" held from 18<sup>th</sup> to 21<sup>st</sup> September 2012 at Kenyatta University Conference Centre, Nairobi, Kenya.
63. In October 2012 I participated in the Conservation Agriculture (CA) Community of Practice Workshop and Stakeholders' Workshop on African Conservation Tillage Network (ACT) Strategic Plan held from 10<sup>th</sup> to 14<sup>th</sup> October 2012 in Nakuru, Kenya.
64. In October 2012 I participated in the Tanzania DAAD Alumni Association Conference and General Meeting held from 24<sup>th</sup> to 25<sup>th</sup> October 2012 at the Protea Hotel Courtyard, Dar es Salaam, Tanzania.
65. In October/November 2012 I participated in the GIZ Alumni Network and Association Workshop "Connecting for change" held from 30<sup>th</sup> October to 2<sup>nd</sup> November 2012 at GIZ Representation Berlin, Germany.
66. In November 2012 I participated in the 2012 Annual Scientific Conference of the Tanzania Society of Agricultural Engineers (TSAE) held from 26<sup>th</sup> – 28<sup>th</sup> November 2012 at the ICE Conference Hall, Sokoine University of Agriculture, Morogoro, Tanzania.
67. In February 2013 I participated in the UNITRACE Regional Conference "Tracer Studies in Eastern Africa: Findings and their Relevance for University Strategies and Curriculum Development" held from 11<sup>th</sup> – 12<sup>th</sup> February 2013 at Kenyatta University Conference Centre, Nairobi, Kenya.

68. In February 2013 I participated in the Climate Change Curriculum Development Meeting held from 18<sup>th</sup> – 19<sup>th</sup> February 2013 at Kenyatta University Conference Centre, Nairobi, Kenya.
69. In February/March 2013 I participated in the APSIM Training Course held from 25<sup>th</sup> February – 2nd March 2013 at Blue Pearl Hotel, Dar es Salaam, Tanzania.
70. In March 2013 I coordinated the German Academic Exchange Service (DAAD)/Information Training and Outreach Centre for Africa (ITOCA) E-Resources and Academic/Grant Proposal Writing Training Workshop for DAAD scholars held from 12<sup>th</sup> – 15<sup>th</sup> March 2013 at the Holiday Inn Hotel, Dar es Salaam, Tanzania.
71. In April 2013 I participated in a study mission on conservation agriculture in Southern Africa conducted from 21<sup>st</sup> – 27<sup>th</sup> April 2013 in Zambia and Zimbabwe.
72. In July 2013 I participated in the participatory crop modelling workshop held from 16<sup>th</sup> – 21<sup>st</sup> July 2013 at the Izaak Walton Inn, Embu, Kenya.
73. In July 2013 I attended a Peer Reviewers Workshop organized by the Tanzania Commission for Universities (TCU) and facilitated by experts from the South African Qualifications Authority (SAQA) held from 29<sup>th</sup> – 31<sup>st</sup> July 2013 at the Giraffe Ocean View Hotel, Dar es Salaam, Tanzania.
74. In November 2013 I participated in the 5<sup>th</sup> Conference of the Tanzania DAAD Alumni Association on “Water Supply and Sanitation Services in Tanzania: Management Models and Practices for Sustainability” to mark the 40<sup>th</sup> Anniversary of DAAD in East Africa held on 18<sup>th</sup> November 2013 at Blue Pearl Hotel, Dar es Salaam, Tanzania.
75. In February 2014 I participated in the “Mapping Science and Technology in Africa: Travelling Technologies and Global Disorders” conference held from 12<sup>th</sup> to 15<sup>th</sup> February 2014 at the Wits Institute for Social & Economic Research (WISER), Johannesburg, South Africa.
76. In March 2014 I coordinated the German Academic Exchange Service (DAAD)/Information Training and Outreach Centre for Africa (ITOCA) E-Resources Training Workshop for DAAD scholars held from 10<sup>th</sup> – 13<sup>th</sup> March 2014 at the White Sands Hotel, Dar es Salaam, Tanzania.
77. In May 2014 I participated in the Regional DAAD Alumni Conference “How to Equip a Leader” held from 28<sup>th</sup> to 30<sup>th</sup> May 2014 at the Safari Park Hotel, Nairobi, Kenya.
78. In September 2014 I participated in the Regional Workshop “Community Adaptation to Climate Change: Strategies and Lessons Learnt by Rockefeller Foundation Climate Change Units” held from 21<sup>st</sup> to 24<sup>th</sup> September 2014 at ARC Hotel, Egerton University, Nakuru, Kenya.
79. In October 2014 I participated in the National Conservation Agriculture Task Force (NCATF) Experience Sharing and Planning Workshop held from 20<sup>th</sup> to 21<sup>st</sup> October 2014 at the SG Resort, Arusha, Tanzania.
80. In October 2014 I participated in the DAAD/GIZ/BGR Alumni Conference on Affordable Energy held on 31<sup>st</sup> October 2014 at Protea Hotel Courtyard, Dar es Salaam, Tanzania.
81. In November 2014 I participated in the Climate Change Curriculum Review Meeting held from 11<sup>th</sup> to 12<sup>th</sup> November 2014 at the Kenyatta University Conference Centre, Nairobi, Kenya.
82. In November 2014 I attended the 9<sup>th</sup> Jomo Kenyatta University of Agriculture and Technology (JKUAT) Scientific, Technological and Industrialization Conference and Exhibitions held from 13<sup>th</sup> to 14<sup>th</sup> November 2014 at the AICAD Centre, JKUAT, Nairobi, Kenya.
83. In January 2015 I participated in the 2<sup>nd</sup> meeting of the National Conservation Agriculture Task Force (NCATF) held on 13<sup>th</sup> January 2015 at Landmark Hotel (Ubungu), Dar es Salaam, Tanzania.
84. In March 2015 I made my first mission as an Information and Communication Technology (ICT) expert engaged by the Tropfenwasser Consulting Professionals (TCP) of Malawi which, in conjunction with DHI of Denmark, were executing a World Bank funded project “Consultancy Services for **Shire Basin Operational Decision Support System through Enhanced Hydro-Meteorological Services**” conducted from 26<sup>th</sup> to 30<sup>th</sup> March 2015 at Lilongwe, Malawi.
85. In April 2015 I participated in the DAAD In-Country/In-Region Scholarships Selection Committee Meeting held from 13<sup>th</sup> to 14<sup>th</sup> April 2015 at the Heron Portico Hotel, Nairobi, Kenya.
86. In May 2015 I attended a Climate and Agriculture Network for Africa (CANA) training held on 11<sup>th</sup> May 2015 at the International Livestock Research Institute (ILRI) Campus, Nairobi, Kenya.

87. In August 2015 I participated in the pre-selection committee meeting to consider applications for the Kenyan-German centre of excellence for “Applied Resource Management” (KENGER) held on 17<sup>th</sup> August 2015 at the DAAD Regional Office for Africa, Nairobi, Kenya.
88. In August/September 2015 I participated in the DAAD Alumni Workshop 2015 on Climate Change and Environmental Protection in Ethiopia held from 31<sup>st</sup> August to 5<sup>th</sup> September 2015 at the EU-Building Conference Hall, Hawassa University, Ethiopia.
89. In September/October 2015 I participated in the Conservation Agriculture for Africa Study Tour conducted from 28<sup>th</sup> September to 1<sup>st</sup> October 2015 in Iringa and Morogoro Regions, Tanzania.
90. In February 2016 I participated in a course on QGIS, QSWAT and SWATCUP Open Source Tools for Hydrological and Agro-ecological Modelling conducted from 22<sup>nd</sup> to 26<sup>th</sup> February 2016 at Sokoine University of Agriculture, Morogoro, Tanzania.
91. In July 2016 I participated in the 2<sup>nd</sup> Tanzanian-German Renewable Energy Conference held on 11<sup>th</sup> July 2016 at Double Tree by Hilton Hotel – Oyster Bay, Dar es Salaam, Tanzania.
92. In August/September 2016 I participated in the DAAD Alumni Workshop 2016 on Climate Change and Environmental Protection in East Africa held from 29<sup>th</sup> August to 3<sup>rd</sup> September 2016 at the Jimma Institute of Technology (JIoT) – Senate Conference Hall, Jimma University, Ethiopia.
93. In September 2016 I participated in the 3<sup>rd</sup> Sci-GalA Thematic Workshop on “Open Science in Support of Education” held on 5<sup>th</sup> September 2016 at the Julius Nyerere International Convention Centre, Dar es Salaam, Tanzania.
94. In October/November 2016 I participated, as a member of a committee formed by the Ministry of Education, Science and Technology, in the verification of the quality of higher education institutions in Tanzania (Arusha, Kilimanjaro & Tanga Regions and Zanzibar).
95. In January 2017 I participated, as a member of a **special committee** formed by the Tanzania Commission for Universities (TCU), in the verification of the quality of **five** higher education institutions in Tanzania (Arusha, Kilimanjaro & Dar es Salaam Regions).
96. In July/September 2017 I participated, as a member of a committee formed by the Ministry of Education, Science and Technology, in the verification of the quality of technical education institutions (under NACTE) in Tanzania (Arusha, Manyara, Kilimanjaro & Tanga Regions).
97. In September 2018 I participated in the DAAD alumni workshop on Mitigating Climate Change and Environmental Pollution in East Africa as a Contribution to Sustainable Development held from 3<sup>rd</sup> to 9<sup>th</sup> September 2018 at Adama Science and Technology University, Adama, Ethiopia.
98. In September 2018 I participated in the Higher Education Partnerships in Sub-Saharan Africa (HEPSSA) Scheme Workshop on Knowledge Dissemination held from 13<sup>th</sup> to 14<sup>th</sup> September 2018 at Nelson Mandela African Institute of Science and Technology, Arusha, Tanzania.
99. In December 2018 I participated in the DAAD In-Country/In-Region Scholarships Selection Committee Meeting held from 12<sup>th</sup> to 14<sup>th</sup> December 2018 at the Heron Portico Hotel, Nairobi, Kenya.
100. In March 2019 I participated in the DAAD Alumni Conference “Young Scholars in Africa – Challenges and Opportunities” held from 1<sup>st</sup> – 3<sup>rd</sup> March 2019 at the Ole Sereni Hotel, Nairobi, Kenya.
101. In April 2019 I participated in the selection meeting of suitable new recipient institutions for the DAAD In-Country/In-Region Scholarship Programme for years 2020-2022 in Western and Central Africa held from 8<sup>th</sup> – 9<sup>th</sup> April 2019 at the DAAD Headquarters in Bonn, Germany.
102. In September 2019 I participated in the DAAD alumni workshop on Mitigating Climate Change and Environmental Pollution in East Africa as a Contribution to Sustainable Development held from 1<sup>st</sup> to 7<sup>th</sup> September 2019 at Adama Science and Technology University, Adama, Ethiopia.
103. In October 2019 I participated in the Comprehensive Guidelines for Irrigation Scheme Development Dissemination Workshop to Universities with Irrigation related Programmes held from 10<sup>th</sup> to 11<sup>th</sup> October 2019 at the African Dream Hotel, Dodoma.

104. In November 2019 I participated in the DAAD alumni meeting on Mitigating Climate Change and Environmental Pollution in East Africa held from 11<sup>th</sup> to 12<sup>th</sup> November 2019 at Kenyatta University, Nairobi, Kenya.

## 12. Consultancy

In 1992 I was a member of a team of three consultants which conducted a computer training course offered to Senior Agricultural Research Scientists from the Ministry of Agriculture. BACAS Professional Development Programmes, Course Module No. 5, November/December 1992.

In 1992 I together with a British expert from the University of Newcastle upon Tyne, U.K., conducted a computer training course to selected members of staff of the Sokoine University of Agriculture.

In 1991/1992 I conceived and developed a "Continuous Grade Point Average (GPA) Calculation Method" (including a computer program) which was later adopted by the Sokoine University of Agriculture (SUA) in 1992.

In 2001/2002 engaged in development of a database for SUA alumni towards creation of the SUA Convocation Nominal Roll.

In April – August 2003 I and other consultants conducted a study on "Situational and Response Analysis of HIV/AIDS in the Ministry of Science, Technology and Higher Education (MSTHE)".

In July 2005 – March 2006 I and other consultants were engaged by the Ministry of Agriculture, Food, and Cooperatives (MAFC), Tanzania to formulate the Tanzania Agricultural Mechanization Strategy.

In February – March 2010 I led a team of consultants to develop the Sokoine University of Agriculture (SUA) HIV/AIDS strategic plan and two years costed action plan.

In March 2015 I was engaged as an Information and Communication Technology (ICT) expert by the Troppenwasser Consulting Professionals (TCP) of Malawi which, in conjunction with DHI of Denmark, are the executing a World Bank funded project "Consultancy Services for Shire Basin Operational Decision Support System through Enhanced Hydro-Meteorological Services".

In January – March 2016 I was a member of a Task Force formed by Sokoine University of Agriculture to look into the possibility of the University venturing into establishment of a solar park at the University in collaboration with a Norwegian company (SCATEC).

In June 2021 I was engaged by CADENA International Development Projects, a consultancy company based in the Netherlands, as a technical expert in the project "Developing a Harmonized TVET Qualifications Framework and at least TEN (10) Regional Harmonized Occupational Standards in the Priority Areas of EASTRIP for the three countries (Ethiopia, Kenya, and Tanzania)" financed by the World Bank and executed by the Inter University Council for East Africa.

- 13. **Other qualifications:** Quality Assurance Expert
- 14. **Present Position:** Senior Lecturer at Sokoine University of Agriculture, Tanzania
- 15. **Years within the firm:** 36
- 16. **Key qualifications:** BSc (Electrical Engineering), MSc (Agricultural Engineering), PhD (Computer Modelling and Simulation)

**17. Specific experience in the country or specific mission:**

Country	Date
Sokoine University of Agriculture (SUA), Tanzania. Senior Lecturer. Over 36 years of teaching experience at undergraduate and postgraduate levels. I have supervised several undergraduate special projects, MSc, and PhD researches. I have been involved in a number of research projects, serving as the Principal Investigator in some of them. I have undertaken several consultancy works. I have also served as an external examiner for higher degree candidates at the College of Engineering and Technology (CoET), University of Dar es Salaam, Tanzania. I have been involved in formulation of various policies at institutional level, e.g., Chairman: Taskforce on Draft of the SUA Transport Policy; Member: Taskforce on Draft of the SUA Health Policy; Member: Taskforce on Draft of the SUA Farm Policy; Member: Taskforce on Draft of the SUA Institutional HIV/AIDS Policy.	20 <sup>th</sup> April 1985 Todate
Head, Department of Engineering Sciences and Technology, Sokoine University of Agriculture, Tanzania	September 2016 – October 2019
Deputy Coordinator, Quality Assurance and Promotion Bureau, Sokoine University of Agriculture, Tanzania	2009 – 2012
Expert, Europe-Africa Quality Connect Project, Nigeria. I participated in the Institutional Evaluation exercise (first visit) at the Ahmadu Bello University (ABU) in Zaria, Nigeria	23 <sup>rd</sup> to 25 <sup>th</sup> October 2011
Expert, Europe-Africa Quality Connect Project, Nigeria. I participated in the Institutional Evaluation exercise (second visit) at the Ahmadu Bello University (ABU) in Zaria, Nigeria	26 <sup>th</sup> February to 1 <sup>st</sup> March 2012
Member of a committee formed by the Ministry of Education, Science and Technology, Tanzania. I participated in the verification of the quality of higher education institutions in Tanzania (Arusha, Kilimanjaro & Tanga Regions and Zanzibar)	October/November 2016
Member of a special committee formed by the Tanzania Commission for Universities (TCU), Tanzania. I participated in the verification of the quality of five higher education institutions in Tanzania (Arusha, Kilimanjaro & Dar es Salaam Regions)	January 2017
Member of a committee formed by the Ministry of Education, Science and Technology, Tanzania. I participated in the verification of the quality of technical education institutions (under the National Council for Technical Education (NACTE)) in Tanzania (Arusha, Manyara, Kilimanjaro & Tanga Regions)	July/September 2017

### 18. Professional Experience:

Date	Location	Company	Position	Description
June 2021 – July 2022	Tanzania, Ethiopia, and Kenya	CADENA International Development Projects	Independent Expert	Project “Developing a Harmonized TVET Qualifications Framework and at least TEN (10) Regional Harmonized Occupational Standards in the Priority Areas of EASTRIP for the three countries (Ethiopia, Kenya, and Tanzania)”.
October/November 2016 and January 2017	Tanzania (Arusha, Kilimanjaro & Tanga Regions and Zanzibar)	Ministry of Education, Science and Technology, Tanzania	Quality Assurance Expert	I participated, as member of a committee formed by the Ministry of Education, Science and Technology, Tanzania, in the verification of the quality of higher education institutions in Tanzania (Arusha, Kilimanjaro & Tanga Regions and Zanzibar)
July/September 2017	Tanzania (Arusha, Manyara, Kilimanjaro & Tanga Regions)	National Council for Technical Education (NACTE)	Quality Assurance Expert	I participated, as member of a committee formed by the Ministry of Education, Science and Technology, Tanzania, in the verification of the quality of technical education institutions (under the National Council for Technical Education (NACTE)) in Tanzania (Arusha, Manyara, Kilimanjaro & Tanga Regions).
2010 - 2012	Nigeria	Erasmus Mundus Programme of the European Commission	Quality Assurance Expert	Project “Europe-Africa Quality Connect: Building Institutional Capacity through Partnership” carried out with the support of the Erasmus Mundus Programme of the European Commission.
2010 - 2012	Tanzania	Rockefeller Foundation	Member	Project “Building Climate Change Adaptation Capacity in the Agricultural Sector in Tanzania (2010 - 2012)” funded by the Rockefeller Foundation.
2011 - 2016	Tanzania	Rockefeller Foundation	Project Leader	Research Project “Enhancing smallholder farmers’ resilience and adaptive capacity to climate change through the sustainable (climate smart) agriculture approach in the South Uluguru Mountains, Tanzania (2011 – 2016)” funded by the Rockefeller Foundation.
2014 - 2016	Tanzania	The Zambian Conservation Farming Unit (CFU)	Project Leader	Research Project “The Zambian Conservation Farming Unit /Sokoine University of Agriculture Tanzania Conservation Agriculture Regional Programme (CFU/SUA CARP) (2014 – 2016)” funded by the Zambian Conservation Farming Unit (CFU).
10 <sup>th</sup> – 11 <sup>th</sup> February 2006	Dar es Salaam, Tanzania	Food and Agriculture Organization (FAO)	Expert	Engaged by the Food and Agriculture Organization (FAO) of the United Nations to facilitate the 2nd Stakeholders’ Workshop on Formulation of the Tanzania Agricultural Mechanization Strategy (TAMS) held from 10th to 11th February 2006 at the Tanzania Episcopal Conference (TEC) Centre, Dar es Salaam, Tanzania.
13 <sup>th</sup> November 2007	Morogoro, Tanzania	Mzumbe University, Tanzania	Expert	Engaged by Mzumbe University to facilitate a one day workshop on Quality Assurance in Higher Education Initiative held on 13th November 2007 at Mzumbe University, Morogoro, Tanzania.
16 <sup>th</sup> February 2018	Morogoro, Tanzania	Sokoine University of Agriculture, Tanzania	Expert	Engaged by Solomon Mahlangu College of Science and Education (SMCoSE), Sokoine University of Agriculture, to facilitate a one day stakeholders’ workshop for the development of B.Sc. Education programme that includes Physics subjects held on 16th February 2018 in the Old Library Building SMCoSE, Sokoine University of Agriculture, Morogoro, Tanzania.

## 19. Publications:

### Published Papers

#### Journal Articles

1. H. Igbadun, H. Mahoo, A. Tarimo, and **B. Salim** (2006). [Performance of two temperature-based reference evapotranspiration models in the Mkoji sub-catchment in Tanzania](#). *Agricultural Engineering International: the CIGR Ejournal*. Manuscript LW 05 008. Vol. VIII. March, 2006.
2. Igbadun, Henry E., Henry F. Mahoo, Andrew K.P.R. Tarimo, and **Baanda A. Salim** (2006). Crop water productivity of an irrigated maize crop in Mkoji sub-catchment of the Great Ruaha River Basin, Tanzania. *Agricultural Water Management*. [Volume 85, Issues 1-2](#), pp. 141-150.
3. H. Igbadun, H. Mahoo, A. Tarimo and **B. Salim** (2006). Irrigation Scheduling Scenarios Studies for a Maize Crop in Tanzania Using a Computer-based Simulation Model. *Agricultural Engineering International: the CIGR Ejournal*. Manuscript LW 06 007. Vol. VIII. November, 2006.
4. H. E. Igbadun, H. F. Mahoo, A.K.P.R. Tarimo and **B. A. Salim** (2007). Simulation of Soil Moisture Dynamics of the Soil Profile of a Maize Crop under Deficit Irrigation Scheduling. *Agricultural Engineering International: the CIGR Ejournal*. Manuscript LW 06 015. Vol. IX. July, 2007.
5. Igbadun, Henry E., Andrew K.P.R. Tarimo, **Baanda A. Salim** and Henry F. Mahoo (2007). Evaluation of selected crop water production functions for an irrigated maize crop. *Agricultural Water Management*, 94 (2007), pp. 1-10.
6. Mpanduji, S.M. and **Baanda Salim** (2008). Annual costs of mechanizing with tractors in Tanzania. *Agricultural Mechanization in Asia, Africa and Latin America (AMA)*, Vol. 39 No. 4, Autumn 2008, pp. 81-86.
7. Igbadun, Henry E., **Baanda A. Salim**, Andrew K.P.R. Tarimo, and Henry F. Mahoo (2008). Effects of deficit irrigation scheduling on yields and soil water balance of irrigated maize. *Irrigation Science*, Vol. 27, No. 1 (1 November 2008), pp. 11 – 23.
8. H. E. Igbadun, **B. A. Salim** (2011). Field-Based Crop Coefficients (Kc) for a Maize Crop under Deficit Irrigation Scheduling. *Nigerian Journal of Technological Development*, <https://unilorin.edu.ng/ejournals/index.php/njtd/issue/view/66https://unilorin.edu.ng/ejournals/index.php/njtd/issue/view/66>Vol 8, No 2.
9. Igbadun, H.E., A.K.R. Tarimo, H.F. Mahoo, A.K.R. Tarimo, and **B.A. Salim** (2013). "Performance of ISIAMOD in Simulating Leaf Area Index, Biomass, and Grain Yields of Maize Crops under Deficit Irrigation". *Pacific Journal of Science and Technology*. 14(1):439-452.
10. Mthandi, J., Kahimba, F., Tarimo, A., **Salim, B.** and Lowole, M. (2013). Nitrogen movement in coarse-textured soils and its availability to maize (*Zea mays* L.) plant. *Agricultural Sciences*, **4**, 30-35. doi: 10.4236/as.2013.48A005.
11. Mthandi, J., Kahimba, F., Tarimo, A., **Salim, B.** and Lowole, M. (2013). Root zone soil moisture redistribution in maize (*Zea mays* L.) under different water application regimes. *Agricultural Sciences*, **4**, 521-528. doi: 10.4236/as.2013.410070.
12. Mthandi, J., Kahimba F.C., Tarimo A.K.P.R., **Salim B.A.** and Lowole M.W. (2013). Temporal distribution of total nitrogen concentration in root zone of maize (*Zea mays* L.). *Journal of Experimental Biology and Agricultural Sciences*, September - 2013; Volume – 1(4), 328-336.
13. Igbadun HE, **Salim BA** (2014). Simulation Study of Yield and Soil Water Balance Responses of a Maize Crop to Farmers' Irrigation Scheduling Practices in Tanzania. *Irrigat Drainage Sys Eng* 3: 119. doi:10.4172/2168-9768.1000119.
14. Mthandi, J., **Salim, B.A.**, Kahimba, F.C., Tarimo, A.K. P.R. and Lowole, M.W. (2015). How much nitrogen would move down? Evaluating the effect of water application regimes on n leaching in the soil. *Research Journal of Agriculture and Environmental Management*. April, 2015; Vol. 4(4), pp. 208-215.

15. Mthandi, J., Kahimba, F.C., Tarimo, A.K. P.R., **Salim, B.A.**, Lowole, M.W. (2015). Using EU-Rotate\_N Model to Determine Effects of Nitrogen Application Dosage on N Leaching. *International Journal of Research in Agricultural Sciences*. Volume 2, Issue 3, ISSN (Online): 2348 – 3997. pp. 112 -117.
16. Ndabhemeye Mlengera, Peter W. Mtakwa, **Baanda A. Salim**, Geoffrey C. Mrema (2016). Can Conservation Agriculture Technologies Mitigate Intra-Seasonal Drought Effects on Crop Yields in Steep Lands? Case of the Southern Uluguru Mountains, Tanzania. *Journal of Environment and Earth Science*. Vol. 6, No. 4, 2016 (Online). pp 15 – 23.
17. J. Mthandi, F. C. Kahimba, A. K. P. R. Tarimo, **B. A. Salim**, M. W. Lowole (2014). Nitrogen Distribution Model: A Farmer and Farm-Centred Model to Monitor N Movement in the Soil. *Journal of Water Resource and Protection*, 2014, 6, 1546-1552.
18. Mlengera, N., Mtakwa, P.W., **Salim, B.A.**, Mrema, G.C. (2016). Effectiveness of Conservation Agriculture Technologies in Soil Erosion Control, Soil Moisture Retention and Improved Labour Productivity on Steep Slopes. *Journal of Agriculture*. Vol. 3, No. 9, September 2016. pp 1 – 13.
19. Mlengera, N., Mtakwa, P. W., **Salim, B. A.**, Mrema, G. C. (2017). Conservation Tillage Methods for Soil Erosion Control on Steep Slopes: Case Study of Southern Uluguru Mountains, Tanzania. *International Journal of Agriculture, Environment and Bioresearch*. Vol. 2, No. 04; 2017. pp 25 – 42.
20. Mlengera, N., Mtakwa, P.W., **Salim, B.A.**, Mrema, G.C. (2018). Crop Productivity Sustainability in the Southern Uluguru Mountains through Conservation Agriculture Technological Options. *International Journal of Agriculture, Environment and Bioresearch*. Vol. 3, No. 02; 2018. pp 52 – 67.
21. Muniale, F.M., Muyekho, F.N., Mtakwa, P.W., **Baanda, A.S.**, Massonga, C. (2019). The Role of Conservation Agriculture in Management of Fall Army Worm *Spodoptera frugiperda* in Southern Tanzania. *Global Journal of Scientific Researches*. Vol. 7(2), pp. 27-31. 23 October. 2019.

## Books

1. **Salim, Baanda A.** (1999). [Modelling and measurement of soil moisture content based on a remote sensing method for applications in semi-arid tropics](#). Publisher: [Bonn, Institut für Landtechnik](#), Germany. ISBN B00278B04S.
2. **Salim, Baanda A.** (2003). Computer Programming in Turbo Pascal: A Step-by-Step Learning Guide for Beginners Including Object Oriented Programming. Mzumbe Book Project, Morogoro, Tanzania. ISBN 9987 552 31 5.
3. Thiemann, S., Winnegge, R., Förch, N., Abdallah, M., Amone, W., **Salim, B.A.** et. al. (2009). Financial Aspects of Integrated Watershed Management. CICD series. Vol 7. University of Siegen. ISSN: 1868-8578.

## Chapters in Books

1. Yonah, Z.O. and **B.A. Salim** (2007). Chapter XV: ICTs as Tools for Poverty Reduction: The Tanzanian Experience. In M. Hakikur Rahman (Ed.), *Information and Communication Technologies for Economic and Regional Developments*. Idea Group Publishing (an imprint of Idea Group Inc.), Hershey, USA, pp. 305-319. ISBN 1-59904-186-3 (hardcover) -- ISBN 1-59904-188-X (e-book).
2. Yonah, Z.O. and **B.A. Salim** (2008). Chapter 3.17: ICTs as Tools for Poverty Reduction: The Tanzanian Experience. In Van Slyke, Craig (compiler), *Information Communication Technologies: Concepts, Methodologies, Tools, and Applications*. Information Science Reference (an imprint of IGI Global), Hershey, USA, pp. 1538-1550. ISBN 978-1-59904-949-6 (hardcover) -- ISBN 978-1-59904-950-2 (e-book). *This work was previously published in Information and Communication Technologies for Economic and Regional Developments, edited by H. Rahman, pp. 305-319, copyright 2007 by IGI Publishing, formerly known as Idea Group Publishing (an imprint of IGI Global).*

## Edited Proceedings

1. Tumbo, S.D., Z.M. Mganilwa, **B.A. Salim**, and S.M. Mpanduji (eds) (2004). The Role of Engineering and Technology in Poverty Reduction. Proceedings of the 2004 Tanzania Society of Agricultural Engineers (TSAE) Annual Scientific Conference held in Morogoro, 21<sup>st</sup> – 23<sup>rd</sup> November 2004. Volume 9.

## Dissertations/Theses

1. **Salim, Baanda A.** (1999). Modelling and Measurement of Soil Moisture Content Based on a Remote Sensing Method for Applications in Semi-Arid Tropics. Forschungsbericht Agrartechnik des Arbeitskreises Forschung und Lehre der Max-Eyth-Gesellschaft Agrartechnik im VDI (VDI-MEG) Nr. 340. PhD Dissertation. Bonn 1999. 266 p. ISSN 0931-6264.

## Conference/Workshop Papers

1. Dihenga, H.O. and **B.A. Salim** (1991). Processing Facility Location Planning: A Case Study on Tanzania Cashewnut Industry. Proceedings of the TSAE, Vol. III, p. 82-97.
2. **Salim, B.A.** and S.D. Tumbo (1992). The Status of Electric Power Utilization in Some Selected Agricultural Factories and Farms in Tanzania. Proceedings of the TSAE, Vol. IV, p. 106-115.
3. **Salim, B.A.** (1999). Computer Simulation of Soil Water Content and Soil Temperature under Bare Soil Conditions. In: Faculty of Agriculture (FoA) (1999). Agricultural Research Challenges for the 21<sup>st</sup> Century. Proceedings of the Fourth Annual Research Conference of the Faculty of Agriculture. Sokoine University of Agriculture, Morogoro, Tanzania, November 17<sup>th</sup> - 19<sup>th</sup>, 1999. p. 363-372.
4. Mpanduji, S.M., H.O. Dihenga, Z.M. Mganilwa, P.J. Makungu, and **B.A. Salim** (2004). Annual Costs of Using Tractors in Tanzania. Proceedings of the TSAE, Volume 9, p. 116 – 121.
5. Igbadun, Henry E., Henry F. Mahoo, Andrew K.P.R. Tarimo, **Baanda A. Salim** (2005). Trend of productivity of water in rain-fed agriculture. *Proceedings of the East Africa Integrated River Basin Management Conference* (Edited by B.A. Lankford and H.F. Mahoo), pp. 10-17. (Available online at [www.imwi.cgiar.org/assessment/research](http://www.imwi.cgiar.org/assessment/research)).
6. Igbadun, Henry E., Henry F. Mahoo, Andrew K.P.R. Tarimo, **Baanda A. Salim** (2005). Productivity of water and economic benefit associated with deficit irrigation scheduling in maize *Proceedings of the East Africa Integrated River Basin Management Conference* (Edited by B.A. Lankford and H.F. Mahoo), pp. 18-28. (Available online at [www.imwi.cgiar.org/assessment/research](http://www.imwi.cgiar.org/assessment/research)).
7. Igbadun, Henry E., Henry F. Mahoo, Andrew K.P.R. Tarimo, **Baanda A. Salim** (2006). Simulation and evaluation of impact of existing irrigation scheduling practice for maize crop in Mkoji Sub-catchment of Tanzania. *Proceedings of the sixth International Association of Science, Technology, and Education Development (IASTED) international conference: Modelling, Simulation, and Optimization*. September 11-13 2006, Gaborone, Botswana, pp.117-122 (Available at <http://www.actapress.com>).
8. Igbadun, H.E., H.F Mahoo, A.K.P.R. Tarimo, and **B.A. Salim** (2008). Irrigation scheduling impact assessment model (ISIAMod) I. Model development. Proceedings of the 8<sup>th</sup> International conference of the Nigerian Institution of Agricultural Engineers (NIAE) held at the Conference Hall of the University of Technology, Yola, Adamawa State on 28<sup>th</sup> January to 1<sup>st</sup> February, 2008, Vol. 29:290-296.
9. Igbadun, H.E., H.F Mahoo, A.K.P.R. Tarimo, and **B.A. Salim** (2008). Irrigation scheduling impact assessment model (ISIAMod) II. Model calibration and validation. Proceedings of the 8<sup>th</sup> International conference of the Nigerian Institution of Agricultural Engineers (NIAE) held at the Conference Hall of the University of Technology, Yola, Adamawa State on 28<sup>th</sup> January to 1<sup>st</sup> February, 2008, Vol. 29:297-304.
10. Mthandi, J., F.C. Kahimba, A.K.P.R. Tarimo, **B.A. Salim**, and M. Lowole (2012). Developing management options for optimising water and nitrogen utilization for maize production in Malawi. Research Application Summary. Proceedings of the Third RUFORUM Biennial Meeting 24<sup>th</sup> – 28<sup>th</sup> September 2012, Entebbe, Uganda. pp 1553 – 1560.

## Compendia

1. Makungu, P.J., S.D. Tumbo, B.A. Salim, and B. Kayombo (1996). Instrumentation: Student Reference Manual. For: GTZ-SACCAR-SUA MSc (Agricultural Engineering) Water and Land Management Programme, Sokoine University of Agriculture, Morogoro, Tanzania. Sokoine University of Agriculture - Tuskegee University Link Project Publications, 114 pp.
2. Tumbo, S.D. and B.A. Salim (1996). Rural Electrification: Rural Structures and Services II. Sokoine University of Agriculture, Morogoro, Tanzania. 76 pp.

## Extension/Training Manuals

1. **Salim, B.A.** (1992). Introduction to QUATTRO PRO. A Manual Prepared for a Computer Training Course at the Department of Agricultural Engineering and Land Planning, Sokoine University of Agriculture. September 1992.
2. **Salim, B.A.** (1992). Introduction to PARADOX. A Manual Prepared for a Computer Training Course at the Department of Agricultural Engineering and Land Planning, Sokoine University of Agriculture. September 1992.
3. **Salim, B.A.** (1992). Introduction to MINITAB. A Manual Prepared for a Computer Training Course at the Department of Agricultural Engineering and Land Planning, Sokoine University of Agriculture. September 1992.
4. **Salim, B.A.** (1992). Introduction to VENTURA PUBLISHER. A Manual Prepared for a Computer Training Course at the Department of Agricultural Engineering and Land Planning, Sokoine University of Agriculture. September 1992.
5. **Salim, B.A.** (1992). Introduction to Computers and DOS. A Manual Prepared for a Computer Training Course offered to Senior Agricultural Research Scientists from the Ministry of Agriculture. BACAS Professional Development Programmes, Course Module No. 5, November/December 1992.
6. Katule, A.M. and **B.A. Salim** (1992). MSTATC and PC-SAS Computer Program Application in Agricultural Research for Senior Agricultural Research Scientists. A Manual Prepared for a Computer Training Course offered to Senior Agricultural Research Scientists from the Ministry of Agriculture. BACAS Professional Development Programmes, Course Module No. 5, November/December 1992.
7. Mahoo, H.F. and **B.A. Salim** (2011). Building Climate Change Adaptation Capacity in the Agricultural Sector in Tanzania: Training Manual 3: Planners and Policy Makers. 51p.
8. Mahoo, H.F., **B.A. Salim** and P. Reuben (2012). Building Climate Change Adaptation Capacity in the Agricultural Sector in Tanzania: Training Manual on Climate Change Adaptation: Knowledge Dissemination for Planners and Policy Makers. 29p.

## Reports

1. Mueller, Winfried; **Salim, Baanda Ayub**; Ssemwanga, Andrew; Nyomakwa-Obimpeh; and Lee, Teresa (2012). Institutional Evaluation Report of the Ahmadu Bello University, Zaria, Nigeria prepared in the framework of the Project 'Europe-Africa Quality Connect: Building Institutional Capacity through Partnership'. 31p.

## 20. Employment Records:

S.No.	Assignment	Detailed Tasks Description	Years	Employer	Countries	Project	Donor
1	Teaching, Research, and Consultancy	I am currently a Senior Lecturer at Sokoine University of Agriculture (SUA), Tanzania. I have over 36 years of teaching experience at undergraduate and postgraduate levels. I have supervised several undergraduate special projects, MSc, and PhD researches. I have been involved in a number of research projects, serving as the Principal Investigator in some of them. I have undertaken several consultancy works. I have also served as an external examiner for higher degree candidates at the College of Engineering and Technology (CoET), University of Dar es Salaam, Tanzania. I have been involved in formulation of various policies at institutional level, e.g., Chairman: Taskforce on Draft of the SUA Transport Policy; Member: Taskforce on Draft of the SUA Health Policy; Member: Taskforce on Draft of the SUA Farm Policy; Member: Taskforce on Draft of the SUA Institutional HIV/AIDS Policy.	36	Sokoine University of Agriculture, Tanzania	Tanzania	N/A	Government of the United Republic of Tanzania
2	Head of Department	Head, Department of Engineering Sciences and Technology, Sokoine University of Agriculture, Tanzania	3	Sokoine University of Agriculture, Tanzania	Tanzania	N/A	Government of the United Republic of Tanzania
3	Deputy Coordinator	Deputy Coordinator, Quality Assurance and Promotion Bureau, Sokoine University of Agriculture, Tanzania	3	Sokoine University of Agriculture, Tanzania	Tanzania	N/A	Government of the United Republic of Tanzania

4	Expert	Institutional Evaluation of the Ahmadu Bello University (ABU) in Zaria, Nigeria	2	Association of African Universities (AAU), the European University Association (EUA), the Irish Universities Quality Board(IUQB) and the University of Aveiro (UA), Portugal	Nigeria	Europe-Africa Quality Connect: Building Institutional Capacity through Partnership (2010 - 2012)	Erasmus Mundus Programme of the European Commission
5	Member	Conducting research in Building Climate Change Adaptation Capacity in the Agricultural Sector in Tanzania	2	Rockefeller Foundation	Tanzania	Building Climate Change Adaptation Capacity in the Agricultural Sector in Tanzania (2010 - 2012)	Rockefeller Foundation
6	Project Leader	Conducting research in Enhancing smallholder farmers' resilience and adaptive capacity to climate change through the sustainable (climate smart) agriculture approach in the South Uluguru Mountains, Tanzania	4	Rockefeller Foundation	Tanzania	Enhancing smallholder farmers' resilience and adaptive capacity to climate change through the sustainable (climate smart) agriculture approach in the South Uluguru Mountains, Tanzania (2011 – 2016)	Rockefeller Foundation
7	Project Leader	Conducting research in Conservation Farming	2	Zambian Conservation Farming Unit (CFU)	Tanzania	The Zambian Conservation Farming Unit/Sokoine University of Agriculture Tanzania Conservation Agriculture Regional Programme (CFU/SUA CARP) (2014 – 2016)	Zambian Conservation Farming Unit (CFU)
8	Independent expert	Expert in Developing a Harmonized TVET Qualifications Framework and at least TEN (10) Regional Harmonized Occupational Standards in the Priority Areas of EASTRIP for the three countries (Ethiopia, Kenya, and Tanzania)	14 months	CADENA International Development Projects	Ethiopia, Kenya, and Tanzania	Developing a Harmonized TVET Qualifications Framework and at least TEN (10) Regional Harmonized Occupational Standards in the Priority Areas of EASTRIP for the three countries (Ethiopia, Kenya, and Tanzania)	World Bank

						(June 2021 – August 2022).	
9	Expert	Facilitation of the 2nd Stakeholders' Workshop on Formulation of the Tanzania Agricultural Mechanization Strategy (TAMS) held from 10 <sup>th</sup> to 11 <sup>th</sup> February 2006 at the Tanzania Episcopal Conference (TEC) Centre, Dar es Salaam, Tanzania.	2 days	Food and Agriculture Organization (FAO)	Tanzania	Formulation of the Tanzania Agricultural Mechanization Strategy (TAMS)	Food and Agriculture Organization (FAO)
10	Quality Assurance Expert	I participated, as member of a committee formed by the Ministry of Education, Science and Technology, Tanzania, in the verification of the quality of higher education institutions in Tanzania (Arusha, Kilimanjaro & Tanga Regions and Zanzibar) (October/November 2016 and January 2017)	2 months	Ministry of Education, Science and Technology, Tanzania	Tanzania	Verification of the quality of higher education institutions in Tanzania (Arusha, Kilimanjaro & Tanga Regions and Zanzibar)	Government of the United Republic of Tanzania
11	Quality Assurance Expert	I participated, as member of a committee formed by the Ministry of Education, Science and Technology, Tanzania, in the verification of the quality of technical education institutions (under the National Council for Technical Education (NACTE)) in Tanzania (Arusha, Manyara, Kilimanjaro & Tanga Regions) (July/September 2017)	2 months	National Council for Technical Education (NACTE), Tanzania	Tanzania	Verification of the quality of technical education institutions (under the National Council for Technical Education (NACTE)) in Tanzania (Arusha, Manyara, Kilimanjaro & Tanga Regions).	Government of the United Republic of Tanzania

**21. Relevant professional experience in TVET, employment promotion/services or human resources management (provide detail + dates to calculate total years/ months of experience)**

Experience	Date	Duration
Independent expert in Developing a Harmonized TVET Qualifications Framework and at least TEN (10) Regional Harmonized Occupational Standards in the Priority Areas of EASTRIP for the three countries (Ethiopia, Kenya, and Tanzania)	June 2021 – July 2022	14 months
For over 20 years of my teaching experience at Sokoine University of Agriculture (SUA), Tanzania we have been interacting with the Tanzania Vocational Educational and Authority (VETA) because our students use VETA facilities for workshop training as well as industrial practical training. I am therefore well informed about the VETA system.	2000 - Todate	21 years
Head, Department of Engineering Sciences and Technology, Sokoine University of Agriculture, Tanzania. As Head of Department, I was charged with overseeing both academic and administrative matters in the Department and at the University as a whole.	September 2016 – October 2019	3 years
Deputy Coordinator, Quality Assurance and Promotion Bureau, Sokoine University of Agriculture, Tanzania	2009 – 2012	3 years
Member of a committee formed by the Ministry of Education, Science and Technology, Tanzania. I participated in the verification of the quality of technical education institutions (under the National Council for Technical Education (NACTE)) in Tanzania (Arusha, Manyara, Kilimanjaro & Tanga Regions)	July/September 2017	3 months
I participated in a workshop on Strengthening Leadership and Management Competencies of Senior University Managers, organized by the Regional Universities Forum for Capacity Building in Agriculture (RUFORUM), held from 7th – 9th June 2010 at the Sarova White Sands Beach Resort and Spa, Mombasa, Kenya.	June 2010	
I participated in the Short Learning Programme in Management and Leadership in Higher Education in Southern and Eastern Africa held from 31st October to 5th November 2010 at the Nelson Mandela Metropolitan University, Port Elizabeth, South Africa.	October/November 2010	One week

**22. 5 years of relevant professional experience in facilitating public-private cooperation for training delivery, TVET trainee mobilization (with specific focus in women mobilization), organisation of career/ job fairs (provide detail + dates to calculate total years/ months of experience)**

Experience	Date	Duration
For over 10 years of my experience at Sokoine University of Agriculture (SUA), Tanzania we have been participating in various exhibitions, e.g. the Nane Nane shows held annually.	2010 - Todate	11 years
I participated in a two weeks Training of Trainers for University Development held from 23rd August to 3rd September 2010 at the Witzenhausen Campus of Kassel University, Germany.	August/September 2010	2 weeks
I participated in the GIZ Alumni Network and Association Workshop "Connecting for change" held from 30th October to 2nd November 2012 at GIZ Representation Berlin, Germany.	October/November 2012	
I coordinated the German Academic Exchange Service (DAAD)/Information Training and Outreach Centre for Africa (ITOCA) E-Resources and Academic/Grant Proposal Writing Training Workshop for DAAD scholars held from 12th – 15th March 2013 at the Holiday Inn Hotel, Dar es Salaam, Tanzania.	March 2013	
I coordinated the German Academic Exchange Service (DAAD)/Information Training and Outreach Centre for Africa (ITOCA) E-Resources Training Workshop for DAAD scholars held from 10th – 13th March 2014 at the White Sands Hotel, Dar es Salaam, Tanzania.	March 2014	

Member of the Organizing Committee for the DAAD/GIZ/BGR Alumni Conference on Affordable Energy held on 31st October 2014 at the Protea Hotel Courtyard, Dar es Salaam, Tanzania.	October 2014	
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**Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, to undertake the assignment in case of an award.

Dr. Baanda Ayub Salim



02/12/2021

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Name of Expert

Signature

Date