

# 1.1 DR MAVUTO TEMBO

P.O. Box 20027, Luwinga, Mzuzu 2, MALAWI Tel: +265 882506610 /+265 997376822

E-mail: <a href="mailto:tembo3umd@gmail.com">tembo3umd@gmail.com</a> thomsoncosul@gmail.com

## Summary

Dr. Mavuto Tembo holds PhD in Geography (Climate Change) from Maynooth University in the Republic of Ireland, MSc Planning and Coordination in Natural Resources Management (University of Twenty in the Netherlands), BSc and Diploma in Agriculture (from Bunda College of Agriculture, University of Malawi). He also has several trainings including Value Chain Analysis, Project Cycle Management, Facilitation, Land Resources Valuation, and Livelihoods, Poverty and Vulnerability Analysis and Natural Resources Valuation. He has over 20 years of consulting experience in socio-economic assessments; policy analysis; strategy and enterprise development; project management; monitoring and evaluation - baselines, mid-term and end-line surveys; and capacity assessments.

Mavuto has worked in the private sector from 1996 to 1999 in cut-rose flower commercial industry value chain as Farm Manager. He then joined Ministry of Agriculture, Irrigation and Water Resources Development from October 1999 to April 2006. He worked as Senior Land Resources Conservation Officer in the Department of Land Resources Conservation. Since 19th April 2006 to date, he has worked as Lecturer with Mzuzu University. Now he is a Senior Lecturer and Head of Department, AgriSciences. The Department has two programmes Value Chain Agriculture (VCA) and Transformative Community Development (TCD). The AgriSciences also runs postgraduate programme since 2012. Dr Tembo led in establishment of the two-degree programmes in Mzuzu University. While working with Mzuzu University, Mavuto has held serval positions including: Deputy Dean, Faculty of Environmental Sciences; Director of Centre of Excellence in WASTAN and Smart Centre; Postgraduate Coordinator for MSc and PhD TCD (on-going); Project Manager for Transformative Engagement Network (TEN) project; and Team Leader for several research and consultancies.

In the last 20 years, he has worked as Consultant in projects funded or implemented by the World Bank, African Development Bank, CCARDESA, IFAD, AUC/CAADP/NEPAD, USAID, GIZ, SADC, UNDP, EU, SIDA, among others. In 2014 he founded Thomson Consult firm. He is the Team Leader of Thomson Consult. Since 2014, he has led assignment nationally and internationally in agricultural transformation, agricultural value chain analysis, commercialization, dissemination, and facilitation of workshops. He is the National Expert and Team Leader for GIZ/CAADP/NEPAD processes in Malawi. He has accomplished several studies for GIZ/CAADP/NEPAD in Malawi, facilitated writeshop and participated in several agriculture transformation, Commercialization, value chains and mechanization as National Expert. He is also Outcome Mapping Expert in Malawi.



## 1. EDUCATION

I. LDCG/(IIOI)		
University Attended	Degree	Date Obtained
National University of Ireland	Ph.D. (Geography -Climate	30 October 2013
Maynooth	Change)	
University of Twenty, The	MSc. Planning and Coordination	8 May 2003
Netherlands		
University of Malawi	Bachelor of Science in	27 January 1997
	Agriculture	
University of Malawi	Diploma in Agriculture	August 1994

## 2. EMPLOYMENT HISTORY

# Senior Lecturer & Head of Department of AgriSciences 2015 to present

- Responsible to the Dean, for the satisfactory performance of the Department within the Faculty
- the coordination of the courses and programmes offered within the Department and, in consultation with the Dean and other Deans in the University, their coordination with the programmes of other Departments of the University;
- the development, in cooperation with members of the department, of proposals for the extension, revision and improvement of the courses and programmes offered by the Department
- the promotion of research within the Department.;
- the implementations, in cooperation with the Dean and members of the department, of academic policy as approved by the Senate and the Council;
- the preparation of the Departmental budget, in response to the needs of the Department, taking into account the policies and resources of the University;
- the quality and performance of the academic staff and other required in the Department and for making recommendations for the recruitment of new staff in consultation with the Dean of the Faculty.

# Other positions Held at Mzuzu University

- Deputy Dean, Faculty of Environmental Sciences, Mzuzu University (2014-2017);
- Member of Mzuzu University Senate: Deputy Dean (2014-2017)
- Director, and research consultant, Centre of Excellency in Water and Sanitation (WATSAN) & SMART Centre, Mzuzu University (2014 to 2018);
- Member of Mzuzu University Library Rebuilding Task Force (2016- present)
- Member of Academic Staff Members Appointments, Promotions and Disciplinary Committee of Mzuzu University: (2014 to 2017);
- Member of Mzuzu University Postgraduate Committee (2013 to present);
- MSc ad PhD Student Supervisor (2014 to present);
- Internal Examiner MSc (Fisheries) and Forestry and Environmental Management Programmes, Mzuzu University, Department of Fisheries (2014 present).

## Project Manager for Transformative Engagement Network (TEN) project



Researcher and Programme Manager – Transformative Engagement Network project. This project is funded under the hunger strand of the Irish Aid / Higher Education Authority (HEA) Programme for Strategic Co-operation. The project seeks to initiate new knowledge flows and exchanges of expertise between communities in Rumphi district (Northern Malawi), the agencies and organisations that work with them and between national and international bodies concerned with agriculture, food security, nutrition and climate change. It is supporting 10 masters students at Mzuzu University. Collaborating partners are the National University of Ireland Maynooth, Mulungushi University, (Zambia) and the Zambian Open University. Allocation to Mzuzu University is Euro 171,000.00.

## **Senior Land Resources Conservation Officer**

He worked with Land Resources Conservation Department in the Ministry of Agriculture a sub-programme under Agriculture Extension between 1998 October and 19th April, 2006. Some of the key duties included:

- · Coordinating landuse planning activities for agricultural development
- Land surveying (topographic surveys)
- Water drainage structure design and implementation
- Coordinating land resources surveys and evaluation
- Coordination of soil conservation and water catchment conservation activities
- Project management
- Frontline staff and community training in soil and water conservation.

# Production Manager, Zikomo Flowers Limited, P.O. Box 260, Lilongwe.

Involved in planning and administration, marketing (export skills) and general farm management, conducting in-service training of farm supervisors; synchronizing harvesting with export market demand in Europe; conducting weekly soil chemical analysis to guide fertilizer application rate; conducting regular pest and diseases scout and control and advising on chemicals; controlling flower quality for export market; conducting annual staff performance appraisal; preparing and control farm plan and budget.

## 3. CONSULTANCIES PERFORMED PER CATEGORY

Concept Notes and Project Development			
Project title	Name of client	Contact details	
Concept note for Agricultural Productivity Program for Southern Africa (APPSA) II for	CCARDESA,	APPSA Coordinator	
Malawi, Mozambique and Zambia.	World Bank-IDA	Dr. Monica Murata	
January 2020		E: rmurata@ccardesa	a.org



Capacity Building of National Smallholder Tea Growers Association (NSTGA) and Smallholder Tea Growers Trust Project March 2017	UTZ Certified	Henderson Maposa  E:  Henderson.maposa@utz.  org
Building Community Resilience (BCR) Project in Traditional Authorities Kilupula and Kyungu, Karonga.  January 2017	The Salvation Army Malawi Territory, Malawi	Project Officer, TSA  M: + (265) 994796296  E:Mathews Tulombolomb o@mal.salvationarmy.org
Karonga Integrated Water Sanitation and Hygiene (KiWASH) Project in Traditional Authority Kyungu and Kilupula in Karonga District (Northern Malawi). January 2017	The Salvation Army Malawi Territory, Malawi	Project Officer, TSA  E:Mathews_Tulombolomb o@mal.salvationarmy.org
Livelihood Improvement and Farmers Empowerment (LIFE) Project in Phalombe, Mchinji, and Mzimba March 2019	The Salvation Army Malawi Territory, Malawi	Project Officer, TSA  E:Mathews_Tulombolomb o@mal.salvationarmy.org
Sustainable Agriculture and Food Security (SAFS) Project in Mangochi.  August 2019	The Salvation Army Malawi Territory, Malawi	Project Officer, TSA  E:Mathews_Tulombolomb o@mal.salvationarmy.org
Kera Foundation for Farming (KFF) Project in Mangochi district October 2019	The Salvation Army Malawi Territory, Malawi	Project Officer, TSA  E:Mathews_Tulombolomb o@mal.salvationarmy.org
Local Chicken Value Chain Project in Kasungu district March 2019	The Salvation Army Malawi Territory, Malawi	Project Officer, TSA  M: + (265) 994796296  E:Mathews Tulombolomb o@mal.salvationarmy.org

# NEPAD Agency (NPCA), the Technical arm of the African Union Comprehensive Africa Agricultural Program (CAADP)

1) Facilitator of Malawi CAADP ATVET and ATVET for women 2018 workplan implementation roll-out stakeholder workshop at Game Haven, Bvumbwe, Thyolo Malawi. 16-19 April 2018



- 2) Panelist for Malawi CAADP ATVET at East And South Africa Regional planning Workshop 2018, 10th 17th March 2018, Nakuru County, Kenya
- 3) Team Leader for rapid assessment of the implementation of ATVET project and ATVET for Women in Malawi. Time: 14 21 June 2017. Client is GIZ/CAADP ATVET and NEPAD. Contact: victoria.lonje@giz.de
- 4) Stakeholder Meeting Resource Material Preparation and Facilitation. Venue Sun Bird Lilongwe Hotel (26-30 September 2017). Client: ATVET for Women in Malawi/GIZ/CAADP ATVET and NEPAD. Contact: <a href="mailto:abraham.sarfo@giz.de">abraham.sarfo@giz.de</a>
- 5) Team Leader: Agricultural Technical and Vocational Education and Training (ATVET) policy and value chain appraisal analysis in Malawi (2015). Comprehensive Africa Agriculture Development Programme (CAADP). Contact: abraham.sarfo@giz.de
- 6) Team Leader: Agricultural Technical and Vocational Education and Training (ATVET) Programme. Capacity assessment for ATVET institutions. Comprehensive Africa Agricultural Program (CAADP. Contact: <a href="mailto:abraham.sarfo@giz.de">abraham.sarfo@giz.de</a>
- 7) Team Leader for Team Leader Gender Analysis in ATVET Baseline. Client: ATVET for Women in Malawi/GIZ/CAADP ATVET and NEPAD (2016/17). Contact: abraham.sarfo@giz.de
- 8) Skills needs assessment for Aquaculture & Fisheries, Livestock, Horticulture (mango and pine apple) value chains, ATVET in Malawi. The NEPAD agency (NPCA), The Comprehensive Africa Agricultural Program (CAADP), and Deutsche Gesellschaftfür Internationale Zusammenarbeit (GIZ) (2015/16). Contact: <a href="mailto:abraham.sarfo@giz.de">abraham.sarfo@giz.de</a>

## **OCA** assignments

- Facilitation of skills gaps in tea estates dissemination workshop based on the report of Organizational Capacity Assessment for Tea Industry in Malawi: Analysis of Skills Shortages in the Malawian Tea Estate Sector (March 2017). Contact: Heleen.Bulckens@ethicalteapartnership.org
- 2) Organizational Capacity Assessment for Tea Industry in Malawi: Analysis of Skills Shortages in the Malawian Tea Estate Sector (December 2016). Contact: Heleen.Bulckens@ethicalteapartnership.org

# **Research based Consultancies**

- Team Leader for Crops and Livestock Agro-Meteorological Advisories: Gender Perspective. Client: NASFAM, Department of Disaster Management Affairs (DODMA), UNDP and Department of Agriculture Extension Services. Contact: WKumwenda@nasfam.org . April 2019.
- 2) Team Leader for Feasibility study on market and profitability of soya beans, sunflower and other selected high value crops for DCA innovative irrigation technologies for sustainable livelihood project in Mzimba and Rumphi, Malawi. The assignment involved production of GIS based maps. From 1 to 15 April 2017. Client: The DanChurchAid. Contact: <a href="loka@dca.dk">loka@dca.dk</a>



- 3) Team Leader of Doer/non-Doer Study: Conservation Agriculture in Traditional Authorities Kulupula and Kyungu, Karonga. Client: The Salvation Army Malawi Territory. Contact: Mathews\_Tulombolombo@mal.salvationarmy.org . March 2018.
- 4) Study on Assessment and Verification of Invasive Alien Fish Species in Northern Lake Malawi and Its Catchment Area. October 2016-February 2017. Contact: ASWAp Coordinator: moffatmanase@yahoo.com

#### Gender studies

- Team Leader for Situation analysis study on child marriages: a case study of GVH Mwandwanga, TA Kyungu, Karonga District. Build Futures, Stop Child Marriage Pilot Project. Client: Australia National Territory and Sweden & Latvia Territory. Contact: Mathews\_Tulombolombo@mal.salvationarmy.org. 2019 April-June 2019.
- 2) Assessment of Weather/Climate Information Needs of Small Holder Farmers for Development of Crop and Seasonal Tailored Weather and Climate-Based Agriculture Advisories for Smallholder Farmers with gender lens. Client: NASFAM, Department of Disaster Management Affairs (DODMA), UNDP and Department of Agriculture Extension Services. Contact: <a href="https://www.www.undew.nasfam.org"><u>WKumwenda@nasfam.org</u></a>. November 2018
- 3) Team Leader for Assessment Report of Food Security and Livelihood Situation in Kela, Mdzodzo And Chamba GVHs In Monkey Bay, Mangochi District. Client: The Salvation Army Malawi Territory. Contact: <a href="mailto:mai

## Facilitation

- 1) Facilitation of Land Valuation, compensation schedule and compensation administration for Mzimba Wind Farm Limited. Client: DROEGE ENERGY GMBH, Peschelanger 14, 8173 Munich, Germany. T: +49 89 62789091 E: info@droege-energy.com www.droege-energy.com. October 2019 -on going
- 2) Facilitation of Land Valuation, compensation schedule and compensation administration for Monkey Bay Solar Plant Limited. Client: DROEGE ENERGY GMBH, Peschelanger 14, 8173 Munich, Germany. T: +49 89 62789091 E: info@droege-energy.com www.droege-energy.com. October 2019 -on going
- 3) Facilitation of sensitization meeting of land acquisition and compensation of Mzimba Wind Farm Limited. Client: DROEGE ENERGY GMBH, Peschelanger 14, 8173 Munich, Germany. T: +49 89 62789091 E: info@droege-energy.com www.droege-energy.com. September 2019 -on-going
- 4) Facilitation of sensitization meeting of land acquisition and compensation of Monkey Bay Solar Plant Limited. Client: DROEGE ENERGY GMBH, Peschelanger 14, 8173 Munich, Germany. T: +49 89 62789091 E: info@droege-energy.com www.droege-energy.com. September 2019 -on-going
- 5) Facilitation of sensitization meeting of land acquisition and compensation of Chintheche Solar Plant Limited. Client: DROEGE ENERGY GMBH, Peschelanger 14,



- 8173 Munich, Germany. T: +49 89 62789091 E: info@droege-energy.com www.droege-energy.com. September 2019 -on-going
- 6) Workshop Facilitator at Malawi Sun Hotel, Blantyre. Theory of Change and Project Management. From 6 to 10 March 2017. Client: The Salvation Army Malawi Territory. Contact: Mathews\_Tulombolombo@mal.salvationarmy.org

# Capacity building

- 1) Team Member of End-line Evaluation Survey for Mzimba Integrated Urban Water and Sanitation Project (September to December 2019). Contact: <a href="mailto:lape.consultants2016@gmail.com">lape.consultants2016@gmail.com</a>
- Training consultant: Monitoring and Evaluation Learning (MEAL). Client; Centre of Excellency, WATSAN Mzuzu University. Contact: <a href="mailto:rochelle@rochelleholm.com">rochelle@rochelleholm.com</a> . April 2018.
- 3) Trainer M&E Learning Centre of Excellence in WATSAN. 23 to 27January 2017. Contact: Centre Manager: rochelle@rochelleholm.com
- 4) Trainer M&E Learning Find Your Feet Local NGO, 1 to 4 February 2017. Contact: Country Director: chimwemwes@fyfmalawi.org

# Strategic Planning consultant

- 1) Team Leader development of a strategic plan and facilitate development of a 5-year strategic plan for the Synod of Livingstonia Development Department (SoLDEV). Contact: <a href="mailto:kenneth.sakala@synodev.org">kenneth.sakala@synodev.org</a>. May 2020. On-going.
- Community Development Strategy for The Salvation Army Malawi Territory 2020-2024. Contact: Mathews\_Tulombolombo@mal.salvationarmy.org. September to October 2019.
- 3) Team Leader for development of Mphunzirani Development Organization Communication Strategy 2018-2020. Client: Mphunzirani Development Organization. Contact: <a href="https://doi.org/10.1016/journal.com/">HMaposa@ra.org</a>. July 2018.
- 4) Consultant for Tea Association of Malawi Limited Strategic Plan 2017-2021. Contact: <a href="mailto:secretariat@teamalawi.com">secretariat@teamalawi.com</a>. Location: Blantre, Malawi
- 5) Consultant for Mzuzu Technical College Strategic Plan 2016-2021. Contact: <a href="mzuzu.technical@yahoo.com">mzuzu.technical@yahoo.com</a>
- 6) Strategic Plan for Malawi Union of Academic and Non-Fiction Authors (MUANA) Blantyre Malalwi 2017-2021. Client: MUANA. Contact: <a href="mailto:ndongoleramwangupili@yahoo.co.uk">ndongoleramwangupili@yahoo.co.uk</a>
- 7) Development of Country Strategy for OP6 for Small Grant Programme Global Environmental Fund (GEF) UNDP Malawi December 2016. Contact: alex.damaliphetsa@undp.org

# Monitoring & Evaluation

1) Team Leader for Build Futures, Stop Child Marriage Pilot Project baseline. Client: Australia National Territory and Sweden & Latvia Territory. Contact: Mathews\_Tulombolombo@mal.salvationarmy.org. June -July 2019.



- 2) Team Leader for Karonga Integrated Water, Sanitation, And Hygiene (Kiwash) Project baseline. From May -16<sup>th</sup> July 2019. Client: The Salvation Army Malawi Territory. Contact: Mathews\_Tulombolombo@mal.salvationarmy.org.
- 3) GIS Expert of End-line Evaluation Survey for Mzimba Integrated Urban Water and Sanitation Project (September to December 2019). Northern Region Water Board Project Id No: 2100150034143. Conatct: <a href="mailto:lape.consultants2016@gmail.com">lape.consultants2016@gmail.com</a>
- 4) Team Leader for End-line evaluation of sustainable WASH programme in Karonga: Client Salvation Army Malawi. November 2016. Client: The Salvation Army Malawi Territory. The assignment involved production of GIS based maps (October-December 2018). Contact: Mathews\_Tulombolombo@mal.salvationarmy.org
- 5) Team Leader of Baseline study for Building Community Resilience Project in Traditional Authorities Kulupula and Kyungu, Karonga. Client: The Salvation Army Malawi Territory. Contact: Mathews\_Tulombolombo@mal.salvationarmy.org. January 2018
- 6) Team Leader for End of Project Evaluation: Sustainable Approach to Agricultural Commodity Marketing in Kasungu (Chulu EPA), Mchinji (Mkanda and Chioshya EPAs) and Ntchisi (Malomo and Kalira EPAs). Agricultural Commodity Exchange for Africa. Client RLEEP funded by IFAD and IFID. Contact: <a href="mailto:akamenya@rleep.org">akamenya@rleep.org</a> (October 2017)

# **Enterprise Development**

- 1) Team Leader for Mentoring and coaching for book keeping and financial management for Kapacha Dairy Farmers Cooperative executive members, for the project: Agribusiness Investment for Market Stimulation (AIMS Programme) implemented by Global Communities Partners for Good 29<sup>th</sup>-30<sup>th</sup> October 2018. Contact: <a href="mailto:nmoyo@globalcommunities.org">nmoyo@globalcommunities.org</a>
- 2) Team Leader for Entrepreneurship/farming as a business for lead farmers and staff of CADECOM training for the project Improved Livelihood through sustainable vegetable and honey production implemented CADECOM, Mzuzu Diocese 17<sup>th</sup> -19<sup>th</sup> September 2018. Contact: <a href="loka@dca.dk">loka@dca.dk</a>
- 3) Team Leader: business Plan development and Execution for Kavuzi Dairy Farmers Cooperative Society executive and members for the project: Agribusiness Investment for Market Stimulation (AIMS Programme) implemented by Global Communities Partners for Good, 24<sup>th</sup> -26<sup>th</sup> September 2018. Contact: nmovo@globalcommunities.org
- 4) Facilitator for Business Plan Development and Execution for Lusangazi Dairy Farmers Cooperative Society members, board and executive for the project titled: Agribusiness Investment for Market Stimulation (AIMS Programme) implemented by Global Communities Partners for Good 3<sup>rd</sup>-5<sup>th</sup> September 2018. Contact: <a href="mailto:nmoyo@globalcommunities.org">nmoyo@globalcommunities.org</a>
- 5) Team Leader: financial management, bookkeeping, internal control for Mpoto Dairy Farmers Association staff, leaders and members, for a project titled: Agribusiness Investment for Market Stimulation (AIMS Programme) implemented by Global



- Communities Partners for Good, 15th July 2018. Contact: <a href="mailto:nmoyo@globalcommunities.org">nmoyo@globalcommunities.org</a>
- 6) Team Leader: business planning and financial management for Agrobased Small and Medium Enterprises in the Northern Region of Malawi for a project titled: Agribusiness Investment for Market Stimulation (AIMS Programme) implemented by Global Communities Partners for Good, 16th June 2018. Contact: <a href="mailto:nmoyo@globalcommunities.org">nmoyo@globalcommunities.org</a>

## **Environmental Social Impact Assessment**

- Team Leader for Environmental and Social Impact Assessment for the Proposed 150 Megawatt Windfarm in Chipumulo-Chikhwengwe, Mzimba District, Malawi. Cleint: DROEGE ENERGY GMBH, Peschelanger 14, 8173 Munich, Germany. T: +49 89 62789091 E: info@droege-energy.com <a href="www.droege-energy.com">www.droege-energy.com</a>. October 2018-September 2019
- 2) Team Leader for Environmental and Social Impact Assessment for Monkey Solar Plant Limited. The Proposed 20-Megawatt Solar Island on Lake Malawi, Monkey Bay, Mangochi, Malawi. Cleint: DROEGE ENERGY GMBH, Peschelanger 14, 8173 Munich, Germany. T: +49 89 62789091 E: info@droege-energy.com www.droege-energy.com. September 2019 -on-going
- 3) Team Leader for Environmental and Social Impact Assessment for Chintheche Solar Plant Limited. The Proposed 50-Megawatt Solar Island on Lake Malawi, Monkey Bay, Mangochi, Malawi. Cleint: DROEGE ENERGY GMBH, Peschelanger 14, 8173 Munich, Germany. T: +49 89 62789091 E: info@droege-energy.com www.droege-energy.com. September 2019 -on-going

# 5) PUBLICATIONS (SOME)

- Mkandawire, J. C., Tembo, M., Nhlema, M., Luhanga, J. and Holm, R. H. Do rope and washer pumps provide safe water and satisfied users? A case study piloting new rural water supply technology in Rumphi District, Malawi. Water SA, 2019, 45(3), pages 456-463. DOI: 10.17159/wsa/2019.v45.i3.6742 <a href="http://www.wrc.org.za/?mdocs-file=55709">http://www.wrc.org.za/?mdocs-file=55709</a>
- Samikwa, E., Kapute, F., Tembo, M., Phiri, T. and Holm, R. H. Identification of critical control points using water quality as an indicator of hygiene for artisanal fisheries on Lake Malawi. Lakes & Reservoirs: Science, Policy and Management for Sustainable Use, 2018. DOI: 10.1111/Ire.12248 <a href="https://rdcu.be/bbRRf">https://rdcu.be/bbRRf</a>
- 3) Kasulo, V., Holm, R., Tembo, M., Singini, W. and Mchenga, J. Enhancing sustainable sanitation through capacity building and rural sanitation marketing in Malawi. Environment Development and Sustainability, 2018. DOI: 10.1007/s10668-018-0191-2 <a href="https://rdcu.be/VcJZ">https://rdcu.be/VcJZ</a>
- 4) Rochelle Holm, Alinafe Kamangira, Mavuto Tembo, Victor Kasulo, Hastings Kandaya, Peter Gijs Van Enk and Alex Velzeboer 2018. Private sector sanitation for longer-term self-reliance and urban sanitation coverage: a



- case study of two urban areas in Northern Malawi. Environment & Urbanization
- 5) R. C. G. Chidya, R. H. Holm, M. Tembo, B. Cole, P. Workneh and J. Kanyama 2016. Testing methods for new pit latrine designs in rural and peri-urban areas of Malawi where conventional testing is difficult to employ. Environmental Science Water Research & Technology
- 6) Singini, W., Tembo, M., and Banda, C. 2016. Modelling and forecasting climate change pattern for Bolero Agriculture Extension Planning Area in Malawi A stochastic model approach. Journal of Climatology and Weather Forecasting
- 7) Conor M., Tembo, M. Phiri, A., Yerokun, S. 2015. Indigenous knowledge and world religions-interactions and adaptive capacity to climate change. Letters Journal.
- 8) Tembo, Mavuto. Understanding adaptive capacity on the ground: a case of agro-pastoralists in Makondo Parish, Uganda 2015. In Water and Development: An African Perspective. Editors: Ronaldo Munck, Narathius Asingwire, Honor Fagan and Consolata Kabonesa. Zed Books Publication
- 9) Tembo, Mavuto, Alistair Fraser and H. Sengendo. The role of participatory geographical information system in assessing adaptive capacity to climate change in rural Africa: a case study of Kiganjo village, Makondo Parish, Uganda 2015 is Life Publication. Practical Action Publishers P
- 10) Gemma C Jain H. Woodhouse, Genevile Reartment & Letters (2011) H. Woodhouse, Genevile Range 201, Luwinga, Mzuzu ond Mavutc Danie Earth observation environmental management. Environmental Research Letters (2011) http://iopscience.iop.org/1748-9326/6/4/044002/fulltext/
- 11)Gemma Cassells, Iain H Woodhouse, Mitchard, E.T.A. and Mavuto Tembo, The use of ALOS PALSAR for supporting sustainable forest use in southern Africa: A case study in Malawi. Geoscience and Remote Sensing Symposium, 2009 IEEE International, IGARSS 2009 (Vol:2)

## 4. REFEREES

**Professor Chimuleke R.Y Munthali**, Faculty of Environmental Sciences, Mzuzu University, Private Bag 201, Luwinga, Mzuzu2, Mzuzu, Malawi. Mobile: +265 999576812. Email: cmunthali@gmail.com

**Dr. Conor Murphy**, Maynooth University, Maynooth, Co. Kildare, Ireland. Email: conor.murphy@nuim.ie

**Dr. Chimwemwe A.P.S. Msukwa** Founder of Development Technical Assistance Services, P.O. Box 627, Mzuzu, Email: cmsukwa@yahoo.co.uk, Mobile: +(265) 888 859 894 or +(265) 995 554 524.

Molembo

Signed: 7th May 2020