

Associate Professor and Head of Department:  
Josiah Z. Katani (PhD)



### PERSONAL INFORMATION

Sex: Male  
Date of birth: 21/3/1968  
Marital Status: Married

### CONTACT ADDRESSES

Department of Forest Resources Assessment and Management,  
College of Forestry, Wildlife and Tourism,  
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### ACADEMIC QUALIFICATIONS

PhD, Wageningen University, the Netherlands - 2010  
MSc. (Forestry), Sokoine University of Agriculture (SUA), Morogoro, Tanzania- 1999  
BSc. (Forestry) Sokoine University of Agriculture (SUA), Morogoro, Tanzania- 1995

### AREA OF RESEARCH SPECIALIZATION

Involved in teaching, research, extension and consultancy services in Natural resource management, Forest resource assessment, Institutions in natural resource management, Climate change and forestry, Forest based livelihood, Gender and indigenous knowledge in resource management.

### WORK EXPERIENCE

<b>Period</b>	<b>Work</b>
July 2020 to Date	Head of Department of Forest Resources Assessment and Management
July 2020 to Date	Associate Professor, Department Forest Resources Assessment and Management, Sokoine University of Agriculture, Morogoro.
July 2014 to June 2017	Head of Department of Forest Resources Assessment and Management
July 2012 to June 2020	Senior Lecture, Department of Forest Mensuration and Management, Sokoine University of Agriculture, Morogoro
July 2006 to June 2012	Lecturer, Department of Forest mensuration and Management, Sokoine University of Agriculture, Morogoro

June 2003 to June 2006	Assistant Lecturer, Department of Forest mensuration and Management, Sokoine University of Agriculture, Morogoro
April 2001 to June 2003	Researcher, Department of Research, Prevention of Corruption Bureau, Dar es Salaam
Nov 1998 to March 2001	Head, Training and Development Unit, Vi Agroforestry Project, Musoma
Sept 1995 to August 1996	Field Natural Resource Officer, CARE International in Ngara

## PUBLICATIONS

### Chapters in Books

1. **Katani, J.Z.**, Mawinda, S. and Mugasha, W.A. (2019). Forest Protection. In Abdallah, J.M., Katani, J.Z., Augustino, S., Woiso, D.A., Ishengoma, R.C. (eds). Understanding Plantation and Natural Forests: A Handbook for Forestry Practitioners. E&D Vision Publishing Ltd., Dar es Salaam. pp 89-136. ISBN: 985 9987 735 754.
2. Mugasha, W.A., Kashindye, A., **Katani, J.Z.**, Giliba, R.A., Kingwere, S.R.J. and Zahabu, E. (2019). Forest Resources Assessment. In Abdallah, J.M., Katani, J.Z., Augustino, S., Woiso, D.A., Ishengoma, R.C. (eds). Understanding Plantation and Natural Forests: A Handbook for Forestry Practitioners. E&D Vision Publishing Ltd., Dar es Salaam. pp 137-189. ISBN: 985 9987 735 754.
3. Bollandasås, O.M., Zahabu, E. and **Katani, J.Z.** (2018). Background on the development of biomass and volume models. In Malimbwi, R.E., Eid, T. and Chamshama, S.A.O. (eds). Allometric tree biomass and volume models in Tanzania. Second Edition. E&D Vision Publishing Ltd., Dar es Salaam. pp 9-20. ISBN: 985 9987 735 747.
4. Mugasha, A.W., Zahabu, E., Maguta, M.P., Mshana, J.S., **Katani, J.Z.** and Chamshama, S.A.O. (2018). Allometric biomass models for Pinus patula plantations. In Malimbwi, R.E., Eid, T. and Chamshama, S.A.O. (eds). Allometric tree biomass and volume models in Tanzania. Second Edition. E&D Vision Publishing Ltd., Dar es Salaam. pp 88-97. ISBN: 985 9987 735 747.
5. Zahabu, E., Mugasha, W.A., **Katani, J.Z.**, Malimbwi, R.E., Mwangi, J.R. and Chamshama, S.A.O. (2018). Allometric biomass and volume models for Tectona grandis plantations. In Malimbwi, R.E., Eid, T. and Chamshama, S.A.O. (eds). Allometric tree biomass and volume models in Tanzania. Second Edition. E&D Vision Publishing Ltd., Dar es Salaam. pp 98-106. ISBN: 985 9987 735 747.
6. Zahabu, E., Mugasha, A.W., Malimbwi R.E. and **Katani, J.Z.** (2018). Allometric biomass and volume models for Coconut trees. In Malimbwi, R.E., Eid, T. and Chamshama, S.A.O. (eds). Allometric tree biomass and volume models in Tanzania. Second Edition. E&D Vision Publishing Ltd., Dar es Salaam. pp 107-116. ISBN: 985 9987 735 747.
7. Zahabu, E., Mlagalila, H. and **Katani, J.Z.** (2018). Allometric biomass and volume models for cashewnut trees. In Malimbwi, R.E., Eid, T. and Chamshama, S.A.O. (eds). Allometric tree biomass and volume models in Tanzania. Second Edition. E&D Vision Publishing Ltd., Dar es Salaam. pp 117-125. ISBN: 985 9987 735 747.
8. Abdallah, J.M., Woiso, D.A., **Katani, J.Z.**, Augustino, S.N. and Madalla, N.A. (2017). PFM and Climate Change: The Synergy. In Abdallah, J.M., Katani, J.Z., Augustino, S.N and Woiso, D.A. (eds). Climate Change and Forestry: Practices for Technical level Foresters. Mkuki na Nyota Publishers Ltd, Dar es Salaam. pp 25-35. ISBN 9789987083046.
9. Mugasha, W.A., Woiso, D.A., and **Katani, J.Z.** (2017). Forests and Climate Change Mitigation. In Abdallah, J.M., Katani, J.Z., Augustino, S.N and Woiso, D.A. (eds).

- Climate Change and Forestry: Practices for Technical level Foresters. Mkuki na Nyota Publishers Ltd, Dar es Salaam. pp 55-67. ISBN 9789987083046.
10. **Katani, J.Z.**, Madoffe, S.S., Midtgaard, F., Rija, A.A. Amanzi, N.S., Kilawe, C.J., Mbeyale, G.E., Zahabu, E., Christopher, B.T. and Silayo, D.A. (2016). Climate change mitigation and adaptation through development of fire reduction strategy for the miombo woodlands: A potential tool for carbon storage and sequestration. In Kulindwa, K. A., Silayo, D., Zahabu, E., Lokina, R., Hella, J., Hepelwa, Shirima, D., Macrice, S and Kalonga, S. (eds). *Lessons and Implications from REDD+ Implementation: Experiences from Tanzania*. CCIAM-SUA, Dar es Salaam, Tanzania. E&D Vision Publishers, Dar es Salaam, Tanzania. ISBN: 978 9987 735 53 2. pp 3-24.
  11. Malimbwi, R.E., Mauya, E.W., Zahabu, E., **Katani, J.Z.**, Chamshama, S.A.O., Eid, T., Bollandas, O.M., Maliondo, .S.M.S., Mugasha, W.A., Masota, A.M., Njana, M., Makero, J.S., Mshana, J.S., Luganga, H., Mathias, A., Msalika, P., Mwangi, J. and Mlagalila, H.E. (2016). Biomass and volume models for different vegetation types of Tanzania. In Kulindwa, K. A., Silayo, D., Zahabu, E., Lokina, R., Hella, J., Hepelwa.,Shirima, D., Macrice, S and Kalonga, S. (eds). *Lessons and Implications from REDD+ Implementation: Experiences from Tanzania*. CCIAM-SUA, Dar es Salaam, Tanzania. E&D Vision Publishers, Dar es Salaam, Tanzania. pp 99-117. ISBN: 978 9987 735 53 2.
  12. **Katani, J.Z.** and Babili, I.H. (2012). Exploring forest governance in Tanzania. In Arts, B. Van Bommel, S. Ros-Tonen, M. and Verschoor, G. (eds). *Forest-people Interfaces: Understanding community forestry and biocultural diversity*. Wageningen Academic Publishers, Wageningen, The Netherlands. pp 259-275. ISBN: 978-90-8686-193-4
  13. Kajembe, G.C, **Katani, J.Z.**, Lyimo, M.and Nduwamungu, J. (2008). Coping Strategies Against Deforestation: Impact of Socio-Economic Factors with attention to gender based indigenous knowledge on the Uluguru Mountains. In Mukangara, F. and Shao, I.F. (eds). *Gender, Governance and Natural Resource in the Rural Setting: Some case studies from Tanzania*. pp 79-124. ISBN 978 9987 442 40 9. University of Dar es Salaam.

### Papers in journals

1. **Katani, J.Z.** and Ndelolia, D. (2020). Beekeeping around Udzungwa Mountains National Park in Kilombero. *Tanzania Journal of Forestry and Nature Conservation*, 89(1):1-14.
2. Matowo, G.S., Sangeda, A.Z. and **Katani, J.Z.** (2019). The regeneration dynamics of Miombo tree species in Sub-Saharan Africa. *African Journal of Ecology and Ecosystems* ISSN: 9428-167X Vol. 6 (5), pp. 001-016
3. Lunyelele, S.P., **Katani, J.Z.** and Bengesi, K.M.K. (2018). Mitigation and Adaptation Measures of Peri-Urban Farmers as a Response to Climate Change in Temeke District, Dar es Salaam Region. *Journal of Agriculture and Environmental Sciences*, Vol. 7, No. 1, pp. 40-52 ISSN: 2334-2404 (Print), 2334-2412 (Online).
4. Mosha, D. B., Vedeld, P., **Katani, J. Z.**, Kajembe, G. C., & Tarimo, A. K. (2018). Contribution of Paddy Production to Household Income in Farmer-Managed Irrigation Scheme Communities in Iringa Rural and Kilombero Districts, Tanzania. *Journal of Agricultural Studies*, 6(2), 100-122.
5. Egberth, M., Nyberg, G., Næsset, E., Gobakken, T., Mauya, E., Malimbwi, R., **Katani, J.**, Chamuya, N., Bulenga, G. and Olsson, H. (2017). Combining airborne laser scanning and Landsat data for statistical modeling of soil carbon and tree biomass in Tanzanian Miombo woodlands. *Carbon Balance Manage* 12:8. DOI 10.1186/s13021-017-0076-y. pp 1-11.
6. Mugasha, W.A., Bollandas, O.M., Gobakken, T., Zahabu, E., **Katani, J.Z.** and Eid, T., (2016). Decision-support tool for management of miombo woodlands: a matrix model approach. *Southern Forests: a Journal of Forest Science*, pp.1-13.

7. Lunyelele, S.P., Bengesi, K.M.K. and **Katani, J.Z.** (2016). Awareness of peri-urban farmers on the concept of climate change. A case of Temeke District, Dar es Salaam Region. *Journal of Environment and Earth Science*, 24-34. ISSN (Paper) 2224-3216, ISSN (online) 2225-0948.
8. **Katani, J.Z.**, Mustalahti, I., Mukama, K., and Zahabu, E. (2015). Participatory Forest Carbon Assessment in South-eastern Tanzania: Experiences, costs and future challenges. *Oryx* 1-10. Doi:10.1017/S0030605315000174
9. DB Moshia, P Vedeld, GC Kajembe, AKPR Tarimo and **JZ Katani** (2015). Reflections on evolving water management institutions and institutional bricolage: a case of irrigation schemes in Iringa Rural and Kilombero districts, Tanzania. *Water Policy*, 1-18. Doi:10.2166/wp.2015.020.
10. Mongo, C, Eid, T., Kashaigili, J.J., Malimbwi, R.E., Kajembe, G.C. and **Katani, J.Z.** (2014). Forest cover changes, stocking and removals under different decentralised forest management regimes in Tanzania. *Journal of Tropical Forest Science* 26(4): 484–494.
11. Magessa, K, Mbeyale, G.E., Kajembe, G.C, and **Katani, J.Z** (2014). Power struggles in the management and utilization of Suledo village land forest reserve, Kiteto District, Tanzania. *Tanzania Journal of Forestry and Nature Conservation*, 82(2):50-67
12. Mugasha, W.A., Eid, T., Bollandsås, O.M., Malimbwi, R.E., Chamshama, S.A.O., Zahabu, E. and **Katani, J.Z.** (2013). Allometric models for prediction of above-and belowground biomass of trees in the miombo woodlands of Tanzania. *Forest Ecology and Management*, 310: 87-101
13. Nyenza, OM., Nzunda, E.F. and **Katani, J.Z.** (2013). Socio-ecological resilience of people evicted for establishment of Uluguru Nature Reserve in Morogoro Region, Tanzania, *Forests, Trees and Livelihoods*, 22:3, 190-203, DOI: 10.1080/14728028.2013.810405
14. **Katani, J.Z.**, Mbije, N.E., Mahonge, C.P.I., Chingonikaya, E.E. and Barandagiye, S. (2013). Local people's perspectives on reducing negative impacts in human-wildlife interactions: A case of Doma and Mikumi villages in Kilosa District, Tanzania. *Rural Planning Journal*. 15 (2) pp 94-133.
15. Kaniki, H.N., Kajembe, G.C., Zahabu, E., **Katani, J.Z.** and Eid, T. (2012). Role of communal and private forestland tenure regimes in regulating forest ecosystem goods and services in Rombo district, Tanzania. *Tanzania Journal of Forestry and Nature Conservation*, 82(1):22-35
16. Kitula, M.M., Kajembe, G.C., Zahabu, E., Luoga, E.J., **Katani, J.Z.** Ngowi, S.E. and Eid, T. (2012). Influence of forest land tenure regimes on forest condition in Uluguru mountains, Tanzania. *Tanzania Journal of Forestry and Nature Conservation*, 82(1):68-91
17. **Katani, J.Z.**, Malimbwi, R.E., Zahabu, E. Mugasha, W and Mwembe, U.L. (2011). Improving smallholder livelihoods through woodlots management in Makete District, Tanzania. *International Journal of Environmental Science and Ecotechnology* 1(2): pp 99-113.
18. Mahonge, C.P.I. and **Katani, J.Z.** (2011). Local community preferences of tree species and proposed prices: the case of Kindimba village in the Matengo highlands of Tanzania. *International Journal of Environmental Science and Ecotechnology* 1(1): pp 1-10.
19. Chingonikaya, E.E., **Katani, J.Z.** and Zahabu, E. (2009). Valuation of carbon sequestration in village forest reserves: a case study of Duru-Haitemba forest reserve, Tanzania. *African Affairs* 25(2):3-30.
20. Paulo, W., Madoffe, S.S., Kajembe, G.C., Luoga, E.J., Nduwamungu, J., Ngowi, S. and **Katani, Z.J.** (2007). Extent and constraints of local people's involvement in biodiversity conservation in Uluguru Mountains, Morogoro, Tanzania. *Journal of the Tanzania Association of foresters*. Vol. 11. pp 55-65.

21. Mbije, N.E.J., **Katani, J.Z.**, Michael P, Mokiti, T.T.C., Justus V. Nsenga and Chingonikaya, E. (2007). Tourist industry and its negative effects on Mount Kilimanjaro ecosystem, Tanzania. *Rural Planning Journal*. 9(1). pp 60-77.
22. Chingonikaya, E. E., Mbwambo, J. S. and **Katani, J.Z.** (2007). Interface of Agroforestry and poverty reduction in Magu district in Mwanza region, Tanzania. *Journal of the Tanzania Association of foresters*. Vol. 11. pp 96-107.
23. Lusambo, L.P., Monela, G.C., **Katani, J.Z** and Mombo, F. (2007). Socio-economic analysis of land use factors causing degradation and deforestation of Miombo woodlands in Kilosa District, Tanzania. *Journal of the Tanzania Association of foresters*. Vol. 11. pp 139-149.
24. **Katani, J.Z.**, Kajembe, G.C., Njovu, H., Lusambo, L.P. and J.B. Nkonoki (2005). Impacts of community based conservation project in Tanzania. Case of Wami–Mbiki area in Bagamoyo and Morogoro Rural Districts. *Rural Planning Journal*. 7(2). pp 38-49.
25. Mwakalobo, A.B.S., Chingonikaya, E. E., Kessy, F.L. and **Katani, J.Z.** (2005). Gender Roles and Agroforestry Development in Smallholder Farmers in Tanzania: An Illustrative example of Gairo-Kilosa, Morogoro. *Rural Planning Journal*. 7(2). pp 1-24.

### Proceedings

1. Theodory, L., Kashaigili, J.J., **Katani, J.Z.** (2019). Impacts of climate variability and land use land cover change on stream flow in the LittleRruaha river catchment, Tanzania. In Fyumagwa, R., Ntalwila, J., Mwakatobe, A., Lobora, A., Lyamuya, R., Ikanda, D., and Hariohay, K. (eds.). *A sustainable future for Tanzania’s Biodiversity Conservation: The science behind priority, strategy and benefits*. Proceedings of the Twelveth Tawiri Scientific Conference, 4th – 6th December 2019, Arusha International Conference Centre, Tanzania. pp 271-280.
2. Rija, A.A., Madoffe, S.S., Amanzi, N.S., Midtgaard, F., **Katani, J.Z.**, Mbeyale, G., Zahabu, E., Liwenga, E. And Tarimo, B.C. (2014). The role and performance of of exisiting governance structures in preventing and management of wildfires in Miombo woodland, Tanzania. In Mwamengele, G.L., Mvena, Z.K, Augustino, S., Silayo, D., Kusolwa, P.M., Sife, A. Batamuzi, E.K., Katani, J.Z. Madalla, N.A., Abdallah, J.M. & Zahabu, E. (eds.). *Proceedings of the International Conference on Reducing Climate Challenges through Forestry and other Land Use Practices held at Nashera Hotel, Morogoro, Tanzania 1-3 April 2014*. pp 30-45.
3. Nombo, F.P., Madoffe, S.S. and **Katani, J.Z.** (2013). Determination of carbon stock under different fire and disturbance regimes in miombo woodlands of Kitulangalo Forest Reserve, Morogoro region, Tanzania. In Mwamengele, G.L., Mvena, Z.K, Augustino, S., Silayo, D., Kusolwa, P.M., Sife, A. Batamuzi, E.K., Katani, J.Z. Madalla, N.A., Abdallah, J.M. & Zahabu, E. (eds.). *Proceedings of the First Writer’s Workshop held at Palm Tree Village Resort, Bagamoyo, Tanzania 28 – 31 January 2013*. pp 149-157.
4. Msuya, T.S.; Mbeyale, G.E.; Kajembe, G.C; **Katani, J.Z.**; Vedeld, P.; Kashaigili, J. Kagosi, P.; Hizza, S. and Nzunda, M. (2012). Socio-Economic Factors Influencing Land Allocation in Irrigation Agriculture: A Case of Semi-Improved and Traditional Schemes in Iringa Rural and Kilombero Districts, Tanzania. In: Gimbi, D.M., Kurwijila, R.L.; Sife, A. and Silayo, D.A. (eds.). *Scaling up Innovations: The role of researcher and value chain actors partnerships*. Proceedings of the first EPINAV Scientific Conference held at Hilux Hotel, Morogoro, Tanzania 17 – 19 December 2012. pp 197-206.
5. Mugasha, W.A., Eid, T., Bollandsås, O. M., Malimbwi, R.E., Chamshama, S.A.O., Zahabu, E., and **Katani, J.Z** (2012). Allometric models for prediction of aboveground biomass of single trees in miombo woodlands in Tanzania. In Mwamengele, G.L., Mvena,

- Z.K, Augustino, S., Silayo, D., Kusolwa, P.M., Sife, A. Batamuzi, E.K., Katani, J.Z. Madalla, N.A., Abdallah, J.M. & Zahabu, E. (eds.). Proceedings of the first Climate Change Impacts, Mitigation and Adaptation Programme Scientific Conference held at Blue Pearl Hotel, Dar es Salaam, Tanzania 2-3 January 2012. pp 8-17.
6. Madoffe, S.S., Rija, A.A., Midtgaard, F., **Katani, J.Z.**, Mbeyale, G., Zahabu, E., Liwenga, E., Christopher, B.C (2012). Preliminary Assessment of Forest Structure, Management and Carbon Stocking in Tanzania Miombo Woodland. In Mwamengele, G.L., Mvena, Z.K, Augustino, S., Silayo, D., Kusolwa, P.M., Sife, A. Batamuzi, E.K., Katani, J.Z. Madalla, N.A., Abdallah, J.M. & Zahabu, E. (eds.). Proceedings of the first Climate Change Impacts, Mitigation and Adaptation Programme Scientific Conference held at Blue Pearl Hotel, Dar es Salaam, Tanzania 2-3 January 2012. pp 106-117.
  7. Silayo, D. A., **Katani, J. Z.**, Maliondo, S. M. S. and. Tarimo, M. C. T (2008). Forest plantation for biofuels to serve natural forest resources In: Varmola, M., Valkonen, S. & Tapaninen, S. (eds.). Research and development for sustainable management of semiarid miombo woodlands in East Africa. Metlan työraportteja / Working Papers of the Finnish Forest Research Institute 98. 115–124p. ISBN 978-951-40-2136-7 (PDF), ISBN 978-951-40-2137-4 (paperback). Available at: <http://www.metla.fi/julkaisut/workingpapers/2008/mwp098.htm>.
  8. Kajembe, G.C., Nyingili, R.B., Msuya, J., Nduwamungu, J. and **Katani, J.Z.** (2004). Non-wood forest products and their contribution to household food security in Mbozi District, Tanzania. In: Batamuzi, E.K., Tarimo, A.J.P. and Kinabo, D.B. (Eds). Agricultural Technology Development through Participatory Research. Proceedings of the Third Collaborative Research Workshop held in Morogoro, 24 – 26 May 2004. pp 91-105.
  9. Kajembe, G.C, **Katani, J.Z.** and Malimbwi, R.E. (2000). The role of gender-based indigenous knowledge in developing coping strategies against deforestation. In: Temu, A.B., Lund, G.C., Malimbwi, R.E., Kowero, G.S., Kleinn, K., Malende, Y and Kone, I. (Eds). Off-forest tree resources of Africa. Proceedings of a workshop held in Arusha, Tanzania. July 12-16, 1999. pp 301-312.

### Extension materials

1. Malimbwi, R.E., Zahabu, E., **Katani, J.Z.**, Mugasha, W., Mwembe, U., Luvuga, I.A. and Sunga, D.S. (2013). Guidelines for cultivation of pyrethrum for smallholder farmers. ISBN 978-9987-9673-2-2 and 978-9987-9673-1-5 (English and Swahili versions). Sokoine University of Agriculture. 17 pp.
2. Malimbwi, R.E., Zahabu, E., **Katani, J.Z.**, Mugasha, W. and Mwembe, U. (2010). Woodlot Management Guidelines for Smallholder Farmers. ISSN 978-9987-640-55-3 (English and Swahili versions). Sokoine University of Agriculture. 18 pp.

### Other Publications

1. **Katani, J.Z.**, (2010). The role of multiple institutions in the management of micro spring forests in Ukerewe, Tanzania. PhD Thesis, Wageningen University, the Netherlands.
2. **Katani, J.Z.**, 1999. Coping strategies against deforestation: Impact of Socio-economic factors with special attention to gender based indigenous knowledge. A case study of Mwanza district. (M.Sc. Thesis).
3. **Katani, J.Z.**, 1995. The Economics of conservation and deforestation of Kitulangalo forest reserve, Morogoro. (B.Sc. Special Project).

## RESEARCH PROJECTS

1. Strengthened capacity and collaboration of public forestry organizations (TFS and research institutions such as TAFORI and SUA) to manage and use available data of forest resources aiming at sustainable forest management and use (INFORES-Tanzania). Funded by FINIDA (2016-2018) - **Team member**
2. Contribution of beekeeping to household income among rural communities living adjacent to Udzungwa forests in Kilombero District. Funded by Eastern Arc Mountains Conservation Endowment Fund (EAMCEF) (January 2016 June 2016) – **Team leader**
3. Restoration of forests, carbon and livelihoods in Tanzania (2013-2016)- **Team member**
4. Participatory Forest Carbon Monitoring Experiences from Angai Village Land Forest Reserves in Southern Tanzania (2012 –2012) – **Team Leader**
5. Quantification of Carbon Stock Changes under different Forest tenure and their Implication on Livelihood and Governance in Miombo woodland. Funded by Norwegian Government under CCIAM Programme (2012-2015) – **Team Member**
6. Institutional evolutions at macro and micro-levels in the management of water catchments and their influences on local community livelihoods under a climate change scenario in Tanzania. Funded by Norwegian Government under EPINAV Programme (2011-2014) – **Co-Team Leader**
7. Enhancing the measuring, reporting and verification (MRV) of forests in Tanzania through the application of advanced remote sensing techniques (2011- 2015) – **Team member**
8. Development of biomass estimation models for carbon monitoring in selected vegetation types of Tanzania. Funded by Norwegian Government under CCIAM Programme (2010-2015) – **Team Member**
9. Developing Fire Reduction Strategy for Miombo Woodlands as a Potential Tool for Carbon Storage and Sequestration (2010-2014). Funded by Norwegian Government under CCIAM Programme (2010-2013) – **Team Member**
10. Assessing the impact of forestland tenure changes on forest resources and rural livelihoods in Tanzania. Funded by Norwegian Government (2007-2012) – **Team Member**
11. Assessment of effectiveness of local institutions in the management of micro spring forests in Ukerewe District, Tanzania. Funded by International Foundation of Science, IFS (2007-2010) – **Team Leader**
12. The Role of Gender and Indigenous Knowledge in Developing Coping Strategies against Deforestation in Uluguru Mountains. Funded by Gender Dimension Programme, University of Dar es Salaam (June 2005 – May 2006) – **Team member**.

## CONSULTANCIES

1. Understanding and Monitoring the Socio-economic Impact of the Project Model Including Impact on Gender – Design part. The Tanzania Forest Conservation Group (TFCG) in partnership with the Tanzania Community Forest Conservation Network (MJUMITA). October, 2020 – November, 2020.
2. Preparation of Forest Management Plan for Village Land Forest Reserves for Ruvuma (Lot 5, 6 and 7) and Tanga (Lot 4) Clusters. Forestry and Value Chains Development (FORVAC) Programme funded by the Governments of Tanzania and Finland. April 2020 – August 2020.
3. Evaluation of Agri-Cord's/Food and Forest Development Finland's Support to Smallholders Forestry Organizations in Njombe Region, Tanzania. February, 2020 – May, 2020.

4. Assessment of forest tenure in Tanzania using FAO Voluntary Guidelines for the Governance of Tenure (VGGT) Framework. Food and Agriculture Organization of the United Nations (FAO), Tanzania. September, 2017 – December, 2017.
5. Evaluation of field implementation of extension training provided to DFO/DFMs by FDT in southern highlands of Tanzania. Forest Development Trust (FDT), Iringa. August – September 2017.
6. Midterm Evaluation of Tanzania Forest Services Agency. Ministry of Natural Resources and Tourism. May 2017 – June 2017.
7. Preparation of Forest Management Plan for Sarian Village Forest Reserve, Loliondo, Ngorongoro District, Tanzania. Frankfurt Zoological Society/Serengeti Ecosystem Management (FZS-SEMA). December 2016– February 2017.
8. Development of Forest Reference Level (FREL) for Tanzania. National Carbon Monitoring Centre (NCMC). 2016 – 2017.
9. Capacity Building of District Staff in Forest Resources Inventory and Preparation of Sustainable Harvesting Plans for Four Village Forest Reserves. Belgian Technical Cooperation (BTC) – Tanzania NRM4LED PROJECT TAN 1302911. October – December 2016.
10. Endline Survey in 8 Nature Reserves and 1 National Park in the Eastern Arc Mountains of Tanzania. Eastern Arc Mountains Conservation Endowment Fund (EAMCEF). Jan – June 2016.
11. A rapid study to identify unsustainable land use practices that threaten water sources and other ecosystem services in Kilosa District. Tanzania Forest Conservation Group (TFCG). November – January 2016.
12. Development of Strategic and Action Plan for charcoal production and utilization in the Miombo Project Area of Tabora and Katavi regions. Tabora Regional Administrative Secretary. November – December 2015.
13. Development of the Kilosa District Harvesting Plan – Procedural Component. Tanzania Forest Conservation Group (TFCG). September - October 2015.
14. Carrying out forest inventory and harvesting planning for Namatunu Village Land Forest Reserve in Nachingwea District. Ministry of Natural Resources and Tourism. January – May 2015.
15. Coordinated Advocacy for biomass friendly governance of the energy sector in Tanzania: Potentials, limitations & impacts of Biomass Energy in Tanzania. The Swiss Agency for Development and Cooperation (SDC), February 2014 – May 2014
16. Reviewing Management plans for 15 Forest plantations under the Tanzania Forest Services (TFS). June – September 2013
17. Integrating Landscape Conservation Plans into District Development Plans in southern Tanzanian Coastal Forests. WWF-TCO, July 2012-November 2012
18. Baseline Surveys in 8 Nature Reserves and 1 National Park in the Eastern Arc Mountains of Tanzania. Eastern Arc Mountain Conservation Endowment Fund (EAMCEF), January 2012-May 2012.
19. Assessment of the Permanent Sample Plots for the Miombo woodlands, Montane forests, Sub-montane forests and Lowland forests in Morogoro, Tanga, Manyara and Lindi regions for the purpose of generating the trend of forest stock changes in those forests. The Food and Agriculture Organization of the United Nations (FAO), January 2012-May 2012.
20. Collection of REDD related literature and land use information in Tanzania. The Food and Agriculture Organization of the United Nations (FAO), January 2012-May 2012.
21. Improving smallholder livelihoods through woodlots management: an adaptation to climate variability & change in Makete District, Tanzania. The UNEP/UNDP Climate



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22. Improving smallholder livelihoods through woodlots management: an adaptation to climate variability & change in Makete District, Tanzania. The UNEP/UNDP Climate Change and Development: Adapting by Reducing Vulnerability (CC DARE) programme, 2010. Phase One.
  23. Capacity building needs assessments in undertaking vulnerability assessments and implementing adaptation measures for stakeholders at local, district, regional and national level. The Climate Change and Development project of IUCN Eastern and Southern Africa Regional Office Programme in Tanzania, 2010
  24. Development of proposals for grants to support Kibao, Lufuna, Mpanga, Mtwango and Ludilo villages in Mufindi to pilot fuelwood efficient cooking stoves. Unilever Tea Tanzania Limited (UTT), March 2008.
  25. Participatory forest resources assessment of Misumba village forest reserve, Tangeni , Mvomero District, Tanzania. Wildlife Conservation Society of Tanzania (WCST), Uluguru Mountains Biodiversity Conservation Project (UMBCP), June, 2007.
  26. Forest Area Baseline For The Eastern Arc Mountains: Conservation & Management of the Eastern Arc Mountain Forests: Eastern Arc Mountains Strategy (GEF/UNDP:00015426), 2006.
  27. Forest Inventory in Eleven Districts of Southern Highlands and Eastern Zones of Tanzania. FBD/ World Bank, June 2005.
  28. An issue paper for the formulation of the national wetlands strategy for the Wildlife Division, Ministry of Natural Resources and Tourism, The United Republic of Tanzania, December 2004.

#### **SUPERVISION OF STUDENTS' RESEARCH PROJECTS**

<b>Degree Programme</b>	<b>Number of students supervised</b>
Undergraduate programmes	45
Masters' programmes	12
PhD programme	1