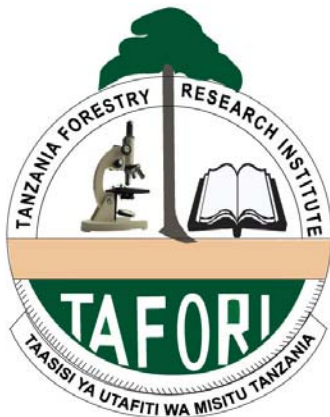


**TANZANIA FORESTRY RESEARCH INSTITUTE  
(TAFORI)**



**LIST OF RESEARCH PUBLICATIONS 2009 – 2018**

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## INTRODUCTION

In the 4<sup>th</sup> TAFORI Board of Directors' Research and Publications Committee Meeting, the TAFORI management was advised to compile list of publications based on the research programmes as appear in the corporate strategic plan. This documents contains the publications mainly books, chapters in a book, journal papers and newsletter articles. A total of 79 publications are presented, with Socio-economics, policy and extension leading with 24 publications, followed by Plantation Forestry and Tree improvement 16, Forest Operations and Utilizations 12, Natural Forest Management 9 and Forest Resource Assessment 8. Specific publications are as presented.

## NATURAL FOREST MANAGEMENT

1. Decentralized forest management in Tanzania - Research summary. **L. Mbwambo**. 2010. Jotoafrica: adapting to climate change in Africa. Issue 4.
2. Impact of decentralized forest management on forest cover changes in the North Eastern Tanzania. **L. Mbwambo**, J.J Kashaigili, T. Eid, R.E Malimbwi, E. Zahabu, G.C Kajembe, E. Luoga, E, and H. Kayeye. 2012. *Tanzania Journal of Forestry and Nature Conservation*, Vol. 82 No. 1.
3. Impact of decentralized forest management on forest resource conditions in Tanzania. **L. Mbwambo**, T. Eid, R.E Malimbwi, E. Zahabu, G.C Kajembe, and E. Luoga. 2012. *Forests, Trees and Livelihoods*, DOI:10.1080/14728028.2012.6985.
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6. Assessment of factors for declining regeneration and death of East African camphor in Moist Mountainous forest of Tanzania. **J. Richard**, S.S. Madoffe, and S.M.S. Maliondo. 2013. *Journal of Tropical Forest Science*, 26 (4): 495 – 502

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2. The role of on-farm trees as an adaptation strategy to climate change effects around Mkingu Nature Forest Reserve in the Eastern Arc Mountains, Tanzania. **U. Msalilwa, F. Laswai, C. Balama, L. Mbwambo** and G. Soka. 2016. *Tanzania Journal of Forestry and Nature Conservation*, Vol. 86 No. 1.
3. Factors Affecting Tree Husbandry and Woodlots Establishment in Kilimanjaro Region, Tanzania. R. Petro, F. Laswai, M. Mijai, G. Nyaradani, C. Balama. 2015. *Open Journal of Soil Science*, 2015, 5, 169-180. <http://dx.doi.org/10.4236/ojss.2015.58017>
4. Women participation in Agroforestry farming system: A strategy towards poverty reduction in Morogoro Rural District, Tanzania. **Uisso, A.J.** and Masao, C.A. 2016. *Ethiopian Journal of Environmental Studies and Management* 9(5): 613 – 624.
5. The Role of Selected Agroforestry Trees in Temperature Adaptation on *Coffea arabica*: A Case Study of the Moshi District, Tanzania. J. Kajembe, I. Lupala, G. Kajembe, **W. Mugasha, F. Nuru**. 2016. In: Lal R., Kraybill D., Hansen D., Singh B., Mosogoya T., Eik L. (eds) *Climate Change and Multi-Dimensional Sustainability in African Agriculture*. Springer.

6. Woody species composition, dominance, basal area and diversity in agroforestry plots; case of Lushoto District, Tanzania. **M.A. Mndolwa, P.J. Kagosi, E.M. Japhet**, F. Sabuni, and R. Kirenga. 2017. *TAFORI Newsletter*, Vol. 8, No. 2
7. The role of shading trees in micro-climate amelioration: a case study of smallholder farms in Moshi District, Tanzania. **J. Kajembe**, J.E. Olesen, F. Plauborg, and I. Lupala. 2017. *TAFORI Newsletter*, Vol. 8, No. 2
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16. Establishment potential of Elgon Olive (*Olea welwitschii* (Knobl.) Gilg & Schellenb) seedlings propagated using stem cuttings and seeds. **S.M. Maduka**, S. A. O Chamshama, and T. J. Msogoya. 2017. *Tanzania Journal of Forestry and Nature Conservation, Volume 87(1)*.

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2. Relationships between diameter and height of trees in natural tropical forest in Tanzania. **W.A. Mugasha**, O.M. Bollandssås, and T. Eid. 2013. *Southern Forests: a Journal of Forest Science*. <http://dx.doi.org/10.2989/20702620.2013.824672>
3. Assessing stocking and effect of root biomass harvesting for *Carissa spinarum* Linn. In Samunge Village, Ngorongoro District, Tanzania. F. Laswai, C. Balama, L. Mbwambo, S. Bakengesa, M. Mndolwa, and G. Phabian. 2013. *TAFORI Newsletter*, Vol. 7, No. 2
4. Improved allometric models to estimate the aboveground biomass of tropical trees. J. Chave, M. Rejou-Mechain, A. Burquez, E. Chidumayo, M.S. Colgan, W.B.C Delitti, A.

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3. Community perception on Climate Change and usage patterns of non-timber forest products by communities around Kilolo District, Tanzania. **U. Msalilwa**, S. Augustino,



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  5. Participatory approach potentials in adoption of agronomic, land and water management technologies in Semi-Arid areas of Tanzania. P.J. Kagosi, and S. Bakengesa. 2013. *TAFORI Newsletter*, Vol. 7, No. 2.
  6. Community perceptions on the impact of decentralized forest management on access to livelihood assets in the North Eastern and Central Tanzania. **L. Mbwambo**, R.E Malimbwi, and G.C Kajembe. 2014. *Ethiopian Journal of Environmental Studies & Management* 7(1): 31 – 42. Doi: <http://dx.doi.org/10.4314/ejesm.v7i1.4>.
  7. Opportunity Costs of REDD+ to the Communities of Mufindi District, Iringa, Tanzania. **F. Nuru**, J.M. Abdallah, and Y.M. Nganga. 2014. *International Journal of Forestry Research*, Volume 2014, Article ID 697464, 7 pages
  8. Participatory Approach Potentials in Adoption of Agronomic, Land and Water Management Technologies in Semi-Arid Areas of Tanzania. **P.J. Kagosi**, I. Isinika, I.H Babili. 2014. *Journal of Biology, Agriculture and Healthcare*, Vol. 4, No.9.
  9. Livelihood options and food insecurity in marginal and semi-arid areas of Same District, Tanzania. G. E. Mbeyale, **F. Bomani**, B. Shabaz, **N. Amanzi**. 2014. *International Journal of Agricultural Extension*, 71 – 91.
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