

CV FOR NEDUVOTO PINIEL MOLLEL

1.0 PERSONAL INFORMATION

- 1.1 Surname: Mollel
- 1.2 First name: Neduvoto
- 1.3 Middle name: Piniel
- 1.4 Gender: Female
- 1.5 Date of Birth: 23/09/1967
- 1.6 Nationality: Tanzanian
- 1.7 Profession: Principal Research Scientist (Plant Taxonomy & Ecology)
- 1.8 Contacts: TPRI, P O BOX 3024, Arusha, Tanzania
Tel: +255 754 227 084;
email: neduvotomollel@yahoo.com / neduvoto.mollel@tpri.go.tz

ACADEMIC QUALIFICATIONS

- 2.0 PhD of Science in Plant Ecology and Evolution 2015. University of Bern, Switzerland.
- 3.0 Masters of Science in Plant taxonomy and Biodiversity Conservation 2006. University Leiden, Netherlands.
- 4.0 Bachelor of Science in Biology, Chemistry and Education (Hon.), 1995. University of Dar es salaam, Tanzania.

EMPLOYMENT

1997 to date: Herbarium Botanist – Tropical Pesticides Research Institute
National Herbarium of Tanzania Division

DUTY POSTS HELD

- 5.0 Curator National Herbarium of Tanzania
- 6.0 Institute representative - Pesticides Approval and Registration Technical Committee (PARTS)

PROJECTS AND AWARDS

- 7.0 National Coordinator (Tanzania) in a collaborative East Africa project “Uchambuzi wa viumbe hai kwa Maendeleo” (UVIMA) for Biodiversity Taxonomy and collections’ capacity building. Funded by BioNet International.

- 8.0 Principal Investigator (PI) for TanBIF (Tanzania Biodiversity Facility) Project, 2009. The project funded by GBIF – CEPDEC (Global Biodiversity Facility – Capacity Enhancement Program for Developing Countries). Titled: Digitization of Biodiversity data and collection in Tanzania.
- 9.0 Best Worker award (TPRI overall) - 2011

PUBLICATIONS

Technical Journal

- 10.0 JOAN PRUNERA-OLIVÉ, MARIA S. VORONTSOVA, EMMA V. WILLIAMS, NEDUVOTO P. MOLLEL & ANDREAS HEMP (2021). Checklist of Kilimanjaro grasses shows that both plot and herbarium methods are necessary to record diversity. *Phytotaxa* 501 (2): 201 – 244. DOI: <https://doi.org/10.11646/phytotaxa.501.2.1>
- 11.0 Kaasalainen, U., Tuovinen, V., Kirika, P. M., **Mollel, N. P.**, Hemp, A., & Rikkinen, J. (2021). Diversity of Leptogium (Collembataceae, Ascomycota) in East African Montane Ecosystems. *Microorganisms*, 9(2), 314.
- 12.0 **Mollel, N.P.**, Andreas Hemp, and Markus Fischer. (2021). "Phylogenetic Diversity of Plant Communities in Relation to Elevation and Human Impact at Mount Kilimanjaro, Tanzania." *Tanzania Journal of Forestry and Nature Conservation* 90, no. 1: 54-66.
- 13.0 Rafael Molina-Venegas, Markus Fischer, **Neduvoto Piniel Mollel**, Andreas Hemp (2020). Connecting plant evolutionary history and human well-being at Mt. Kilimanjaro, Tanzania, *Botanical Journal of the Linnean Society*, , boaa049, <https://doi.org/10.1093/botlinnean/boaa049>
- 14.0 Tucker, L., Favreau, J., Itambu, M., Larter, F., **Mollel, N.P.**, Mwambwiga, A., ... Mercader, J. (2019). Initial Assessment of Bioavailable Strontium at Oldupai Gorge, Tanzania: Potential for Early Mobility Studies. <https://doi.org/10.31219/osf.io/ft38y>
- 15.0 Mercader, J., Clarke, S., Bundala, M., Favreau, J., Inwood, J., Itambu, Larter F, Lee P, Lewiski-McQuaid G, **Mollel, N.P.**, Mwambwiga A, Patalano R, Soto M, Tucker L, Walde D. Walde, D. (2019). Soil and plant phytoliths from the Acacia-Commiphora mosaics at Oldupai Gorge (Tanzania). *PeerJ*, 7, e8211. doi:10.7717/peerj.8211
- 16.0 Albrecht, J., Classen, A, Vollstädt, M.G.R., May, A., **Mollel, N.P.**, Costa D.S., Dulle, H.I, Markus Fischer, M., Hemp, A., Howell, K.M. (2018). Plant and animal functional diversity drive mutualistic network assembly across an elevational gradient. *Nature Communication*. 24(5): 2021 -2034
- 17.0 **Mollel, N.P.**, Fischer, M., & Hemp, A. (2017). Usable wild plant species in relation to elevation and land use at Mount Kilimanjaro, Tanzania. *Alpine Botany Journal*. 127:145 – 154

- 18.0 Ensslin A, Mollel N.P., Hemp A, Fischer M. (2017). Elevational transplantation suggests different responses of African submontane and savanna plants to climate warming. *Journal of Ecology*. 106: 296-305
- 19.0 **Mollel, N.P.**, 2015. Plant Community Diversity in Relation to Elevation and Land Use at Mount Kilimanjaro (Doctoral dissertation, Verlag nicht ermittelbar. Bern University, Switzerland
- 20.0 **Mollel, N.P.**, & Adema, F. (2006). Revision of *Millettia* section *Truncaticalyces* (Leguminosae–Papilionoideae). *Blumea-Biodiversity, Evolution and Biogeography of Plants*, 51(2), 333-343.

Conference papers

- 21.0 Kaasalainen, U. S., Hemp, A., **Mollel, N.**, & Rikkinen, J. K. (2017). Symbionts and changing environment: Lichen diversity and photobiont associations in tropical mountain ecosystems. In *Afromont-Mt Kilimanjaro Mountain Research Conference*.
- 22.0 **Mollel, N.P.** & D. Sitoni (2003). Medicinal plants in Arusha Municipality: Trade and Conservation Status. In W.D. Semuguruka, M. N. Mgasa, L.J.M. Kusiluka, G. Ukwengulila, B. Nyundo, C.O Mlingwa, G. Sabuni, S. Mduma and J.D Keyyu (Editors), Application of Research Results in the Conservation of Wildlife Resources. Proceedings of the TAWIRI Third Annual Scientific Conference; Arusha, December 3-5, 2002. TAWIRI pgs 347 – 353.
- 23.0 Elia J., **Mollel, N.P.** and Mboya, E. (2003). Impact on Land Tenure Management on Plant Species Richness and Diversity in Kiserian Village. In W.D. Semuguruka, M. N. Mgasa, L.J.M. Kusiluka, G. Ukwengulila, B. Nyundo, C.O Mlingwa, G. Sabuni, S. Mduma and J.D Keyyu (Editors). Application of Research Results in the Conservation of Wildlife Resources. Proceedings of the Tanzania Wildlife Research Institute (TAWIRI) Third Annual Scientific Conference; Arusha, December 3-5, 2002. TAWIRI pgs 116 – 123.

Books and book chapters (for the last 10 years only)

- 24.0 **Mollel, N.P.**, Sitoni, D.K., Mboya, E.I., Elia, J.N., Kirombo, M. & Manase C. (2016). Field guide book for common plants of Arusha National Park. TANAPA.
- 25.0 **Mollel, N. P.**, (2013). *Maerua tryphylla*. In G.H. Schmelzer and A. Gurib-Fakim, (Editors). Plant Resources of Tropical Africa. Medicinal Plants 11 (2). PROTA Foundation Wageningen, Netherlands/CTA Wageningen, Netherlands. Pp 166-168

- 26.0 **Mollel, N. P.**, (2012). Wood anatomy. In D. Louppe, A. A Oteng-Amoako and M.Brink (Editors). Plant Resources of Tropical Africa (PROTA) 7(II) Timbers. Wageningen, Netherlands
- 27.0 **Mollel, N.P.**, (2008). Rauvolfia caffra. In G.H. Schmelzer and A. Gurib-Fakim, (Editors). Plant Resources of Tropical Africa (PROTA) Medicinal Plants 11(1). Wageningen, Netherlands. Pp. 480 – 483
- 28.0 **Mollel, N.P.**, (2008). Wood Anatomy. In D. Louppe, A.A Oteng-Amoako and M.Brink (Editors). Plant Resources of Tropical Africa (PROTA) 7(1) Timbers. Wageningen, Netherlands

Technical reports (selected)

- 29.0 Keyyu, J.D., **Mollel N.P.**, Mbije, E.N., Mbwambo J.R., Kishe A.M., Mwampashi Y., Fandey H.M., & Mwakalukwa E.E. (2018). Baseline Biodiversity survey of Flora and Fauna at the Rufiji Hydropower Project area in Selous Game Reserve.
- 30.0 **Mollel, N.P.**, Gongwe A, Shirima E Mfumu G, Kawishe P & Mwilawa A. (2017). Socio-economic impact assessment of an invasive species Chromolaena odorata (Siam weed) at Kenyamonta ward Serengeti District. Within the project titled “Invasive plant species threat to livestock production in the Lake and North Eastern Zones of Tanzania”

EXTERNAL RELATIONS

- 31.0 Board Member- National Environmental and Management Council (NEMC), 2019 -2022
- 32.0 Board Chairperson- JR Institute of Information and Technology, 2018 - 2021
- 33.0 Executive Committee Member – Eastern Africa Regional Food Security and Climate Change Project - FIDA International, 2020 to date

DECLARATION

I, Dr Neduvoto P Mollel declare that the information given above is true and nothing else but the truth.



24/02/2022