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Phone	+261 34 13 521 36	
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Birthday	13 September 1977	
Education	2022 – Habilitation to Direct Research (HDR), Université Paul Sabatier de Toulouse, France 2005 – PhD Process Engineering, Ecole des Mines de Saint-Etienne, France 2001 – Master II (DEA) Wood Sciences, Université de Bordeaux 1, France 2000 – Forestry Engineer, Ecole Supérieure des Sciences Agronomiques, Antananarivo, Madagascar 1999 – Master II (DESS) Territory Mangement, AgroParisTech Paris, France	
Professional experiences	2022 up to now Head of the Forestry and Environment Department, School of Agronomy, University of Antananarivo, Madagascar 2008 up to now Associate Professor, Forestry and Environment Department, School of Agronomy, University of Antananarivo, Madagascar : <i>Lecture on wood technology and wood anatomy</i> <i>Head of the wood science laboratory</i> <i>Research on wood sciences, valorization of wood and non-wood forest products</i> <i>Supervision of PhD and Master students research projects</i> <i>Network with the major timber industries in Madagascar</i> 2011 up to now Invited Professor, Ecole Supérieure du Bois (Wood Academy of Science), Nantes, France <i>Lecture on tropical wood identification</i> 2016 - 2019 Assistant of the Vice President in charge of the International Relation, partnership and ICT, University of Antananarivo, Madagascar <i>In charge of several projects in collaboration with partners: European Union, Ministry of Environment and Forests, etc.</i> <i>Assisting the Vice President in writing documents: speech, conventions, sponsoring</i> <i>Organizing and moderating international conferences</i> 2006-2011 Lecturer, Ecole Supérieure du Bois (Wood Academy of Science), Nantes, France <i>Lectures on wood science and technology, project management and negotiation</i> <i>Supervision of students' projects</i> <i>Visit of several wood industries within the port of Ghent and the port of Antwerp</i> <i>Network with several wood industries in France</i> 2004-2006 Research and Teaching Assistant, Institut Clément Ader Tarbes, France <i>Lectures on mathematics, thermodynamics</i> <i>Research on wood machining and surface quality</i>	
Research stays abroad (other than France and Madagascar)	Czech Republic (2 weeks – 2022) Portugal (1 week – 2019) Democratic Republic of Congo (1 week – 2016, 1 week – 2018) Canada (2 weeks – 2017) Brazil (3 months in total – 2014, 2015, 2016) South Africa (2 months – 2016) Zambia (1 week – 2015) Zimbabwe (1 week – 2015) Belgium (2 months – 2013)	

Student supervision

Post-doc : finished (3)
PhD students : finished (7), ongoing (6)
Master II students : finished (24), ongoing (3)

Research projects

2023 – 2025: G3D2 project “Valorization of scientific data for sustainable management and governance of precious woods in Madagascar”. Collaboration with the faculty of Sciences of the University of Antananarivo and Missouri Botanical Garden. Fundings: FED-European Union (300 000 EUR). Coordination: M. Rakotoarinivo

2022 – 2023: ForestIA project “Improving Forest and Timber engineering education in Madagascar through Industry-Academia partnerships”. Collaboration with the University of Edinburgh, University of Antsirananana, Institut Supérieur de Technologie Antananarivo, Centre National de Formation des Techniciens Forestiers Angavokely, Hazovato, Les Scieries du Betsileo, Tropical Wood. Fundings: The Royal Academy of Engineering UK (100 000 GBP). Coordination: **T. Ramananantoandro**

2021 – 2022: FID2D project “Determination and implementation of best practice techniques for wood identification analysis”. Collaboration with the faculty of Sciences of the University of Antananarivo. Fundings: World Resources Institute (220 000 USD). Coordination: **T. Ramananantoandro**

2018 – 2023: G3D project “Sustainable management of Dalbergia and Diospyros precious woods of Madagascar, scientific support for the implementation of the CITES Action Plan”. Collaboration with the faculty of Sciences of the University of Antananarivo and Missouri Botanical Garden. Fundings: FED-European Union (1 200 000 EUR). Coordination: T. Radanielina

2020 – 2022: BLV project «A molecular passport for the rosewoods of Madagascar”. Collaboration ETH Zürich, Missouri Botanical Garden, U.S. Fish & Wildlife Service National Forensics Laboratory. Fundings: Bundesamt für Lebensmittelsicherheit und Veterinärwesen BLV Switzerland (150 000 CHF). Coordination: A. Widmer

2019 – 2020 : “Site-school for the construction of a classroom and an office for the new Professional Bachelor degree at ESSA : to develop professional skills of the students related to wood construction, from the upstream phase (design) to the manufacturing phase ». Fundings: Agence Universitaire de la Francophonie (26 500 EUR). Coordination : **T. Ramananantoandro** (ESSA part)

2018 – 2021 : B4AP project « Bioactives for Agriculture and wood Preservatives ». Collaboration avec Institut National Polytechnique Félix Houphouët Boigny Côte d’Ivoire, Université Félix Houphouët Boigny Côte d’Ivoire, Cirad Montpellier, Cirad Guyane Française. Fundings : PRSeD-CI 2 (159 776 EUR). Coordination : F.B. Niamke

2017 – 2018: « Developing a new Bachelor curriculum on wood production and construction”. Collaboration with Institut Supérieur de Technologie Antananarivo. Fundings: French Embassy in Madagascar (19 000 EUR). Coordination: **T. Ramananantoandro** and J.L. Rakotomalala

2016 - 2017 : SPIRMADBOIS Project «Strengthening Malagasy capacities for wood characterization and identification of indigenous forest species». Collaboration with CIRAD Montpellier, Laboratoire des Radioisotopes Antananarivo, Ecole Supérieure du Bois Nantes, ESALQ Brazil. Fundings: AUF, WP4/ESPA-NERC-LRI, ESSA, ESB, CIRAD (67 000 EUR). Coordination : **T. Ramananantoandro**

2014 – 2017 : «Optimization and characterization of machined wood surfaces». Collaboration with Institut Clément Ader Tarbes, Critt Bois Rodez. Fundings: Région Midi Pyrénées (100 000 EUR). Coordination : F. Eyma

2014 – 2016 : «Contribution to reducing pressure on natural forests by proposing substitutes for precious woods». Fundings: International Foundation for Science (12 000 EUR). Coordination : **T. Ramananantoandro**

2013 – 2016: « Impact of water constraint in relation to the mineral element intake on Eucalyptus wood properties and xylem genome expression ». Collaboration with CIRAD Montpellier and ESALQ/USP Piracicaba. Fundings: CAPES Agropolis (100 000 EUR). Coordination: G. Chaix

2015 : «Update and reorganization of the xylarium of DRFP/FOFIFA Antananarivo and ESSA- Forêts ». Collaboration with DRFP/FOFIFA. Fundings: DP Forêts and Biodiversité (1 500 EUR). Coordination: **T. Ramananantoandro**

Consulting services

2013 – 2014: « Optimization of wood machining with the aim of decreasing fiber raising after finishing ». Collaboration with Ecole Supérieure du bois Nantes and ICA Tarbes. Fundings: Schlumberger Foundation (USD 40 000). Coordination: **T. Ramananantoandro**

2011 – 2013: « Wood density variability to be used as a base for biomass and carbon stocks estimation ». Fundings: The World Academy of Science (USD 16 500). Coordination: **T. Ramananantoandro**

2012 - 2013: Identification of Zafimaniry wood species for the show “Living in the mist forest of the Zafimaniry, Madagascar” at National Museum of Ethnology, Osaka, Japan. Coordination: M. Yokoyama

2023: **Consultant** for the Ministry of Environment and Sustainable Development Madagascar «Selection of an appropriate marking system for the development of an inventory methodology, for assessing the processing yield of precious wood stocks (*Diospyros* spp and *Dalbergia* spp), and for designing a database in the Menabe and Boeny regions” (Fundings World bank Madagascar)

2022: **Consultant** for the Africa Forest Forum: “Strengthen the capacity of African forestry stakeholders on technical writing and publishing scientifically sound knowledge products”

2021 : **National consultant** for the Africa Forest Forum Kenya to organize the conference on “Understanding and mainstreaming of decisions from global and regional climate change related processes into national policies, plans and actions”

2020 : **Lead expert consultant** for the Ministry of Environment and Sustainable Development Madagascar «Elaboration of allometric equation of spiny shrubs and dry forests of Madagascar” (Fundings World bank Madagascar)

2020: **Expertise** - Organizing meetings between timber industry professionals in order to create an inter-professional organization of the timber industries in Madagascar, writing the statutes proposal for the organization

2018: **Consultant** for FORET project (University of Kisangani, DR Congo): “Audit of the quality of the Master's degree program in Biodiversity and Sustainable Forest Management and the doctoral program for the period 2005 - 2017 at the University of Kisangani (UNIKIS), Faculty of Sciences as part of the support provided by the Center International Forestry Research Center (CIFOR) and its partners on the financing of the European Union”

2018: **Lead expert consultant** for GIZ Madagascar «Development of forest management manual and timber logging guide in Madagascar »

2017: **Lead expert consultant** for the Ministry of Environment, Ecology and Forests Madagascar «Development of forest management standard and timber logging standard in Madagascar »

2016- 2017 : **Lead expert consultant** for Ministry of Environment, Ecology and Forests «Elaboration of allometric equation of secondary forests dominated by *Ravenala madagascariensis* and determination of a biomass factor of young shrub populations for the assessment of carbon stocks of these plant strata in the moist forest ecoregion, Eastern Madagascar” (Fundings World bank Madagascar)

2015 – 2016: **Lead expert senior consultant** for African Forest Forum, Kenya « Public and private sector development in forest products industry in South Africa, Mozambique, Zambia, Zimbabwe and Madagascar »

2016 : **Consultant** for World Resources Institute Washington USA «Needs assessment of scientific and technical capacity related to management and conservation of precious woods » (Fundings World Bank Madagascar)

2016 : **Expert** forensic identification of timbers in 6 containers in the port of Toamasina, Madagascar

2015 : **Consultant** for GNEFM- Association of loggers in Madagascar «Study of the quality and preferential dimensions of timber on the Antananarivo market. State and recommendations for the standardization of wood supply” (Fundings GIZ Madagascar)

2015: **Consultant** for TRAFFIC and WWF Madagascar – Trainer on wood identification with Stephanie Dyer

2015 : **Consultant** for Laboratoire des Radioisotopes «Estimating carbon stocks in the Ankeniheny Zahamena Corridor forests» (Fundings Ecosystem Services for Poverty Alleviation – ESPA program, UK)

	<p>2014 : Consultant for Forest Resources Management (FRMi) Montpellier France « Evaluation of options for the liquidation of illegal stocks of rosewood and ebony in Madagascar » (Fundings World bank Madagascar)</p> <p>2013 : Consultant for NGO Bararata Madagascar « Valorization possibility of bamboo in Madagascar » (Fundings FIDA Madagascar)</p>
Membership in international body	<ul style="list-style-type: none"> - Member of Society For Conservation Biology USA since 2016, Information Officer of the Africa Section of Society For Conservation Biology from 2020 to 2021, Secretary of the Madagascar Chapter of Society For Conservation Biology from 2016 to 2021 - Deputy Coordinator for the Division 5 (RG 5.01 Wood and fibre quality) at the International Union of Forest Research Organizations Austria since 2015 - Member of Society of Wood Science and Technology USA since 2009, President of the board of membership committee of Society of Wood Science and Technology in 2020 - Member of the Global Timber Tracking Network, Finland since 2018 - Member of African Forest Forum, Kenya since 2015
Reviewer of research projects	<ul style="list-style-type: none"> - Natural Sciences and Engineering Research Council of Canada (NSERC) / Topic: wood machining (1 project) - Deutsches Zentrum für Luft-und Raumfahrt, Germany / Topic : biomass (2 projects) - European Commission ERA-NET MED / Topic : environment (4 projects) - International Foundation for Science, Sweden/ Topic : biodiversity conservation (1 project) - European Commission ERA.Net RUS Plus / Topic : climate change (2 projects)
Organisation of conferences	<ul style="list-style-type: none"> - Member of the scientific committee of “Conférence des Eco-Matériaux en Afrique – CEMA’2021”, Senegal in June 2022 - Member of the scientific committee of the conference IUFRO Eucalyptus 2018 in Montpellier France in September 2018 - Organisation of the international conference on Rural development facing climate change, October 2017, Antananarivo - Organisation of the international Symposium on survey of uses of plant genetic resources to the benefit of local populations, September 2017, Antananarivo - Organisation of the symposium GRET-ESSA on the topic Agroecology, December 2016, Antananarivo - Organisation of the international conference “Management of humid zones in Madagascar: Landscape Approaches for Integrating Research and Practice » October 2016, Antananarivo
Reviewer of international journals	<p>Annals of Forest Science, European Journal of Forest Research, Forest Ecology and Management, Forests, Global Ecology and Conservation, Holzforschung, HortScience, International Forestry Review, Journal of Rural Studies, Plant and Soil, European Journal of Forest Research, Southern Forests: a Journal of Forest Science, Ghana Journal of Forestry, Akon’ny Ala : Malagasy forestry journal. Member of the editorial team of the Journal Akon’ny Ala (Madagascar journal of forestry research) from 2015 to 2016</p>
Language	<p>French : bilingual, Malagasy: bilingual, English: fluent, German: scholar level</p>
Civil engagement	<p>Member of the board of directors of the NGO Tolotsoa (development and promotion of democracy through the civic engagement of young people) http://accountability-madagascar.org/tolotosa/</p> <p>Awards : Prix Numérique et Transparence (2017) from Ministère français de l’Europe et des Affaires Etrangères France, Transparency International, l’agence française de coopération médias CFI, et le Liberté Living-Lab.</p> <p>Sheikh Tamim Bin Hamad Al Thani International Anti-Corruption Excellence Award (2020)</p>

1. Raobelina A.C., Chaix G., Razafimahatratra A.R., Rakotoniaina S.P., **Ramananantoandro T.**, 2023. Use of a portable near infrared spectrometer for wood identification of four Dalbergia species from Madagascar. *Wood and Fiber Science*, 55 (1) : 4-17.
2. Razafimahatratra A.R., **Ramananantoandro T.**, Nourrissier-Mountou S., Makouanzi G., Rodrigues J., Mevanarivo Z.E., Chaix G., 2022. Multispecies, multisite, multi-age PLS regression models of chemical properties of eucalypts wood using Fourier Transformed Near-Infrared (FT-NIR) spectroscopy. *Journal of Wood Chemistry and Technology*, 42 (6) : 419-434
3. Randriamalala J., Radosy H.O., Ramanakoto M., Razafindrahanta H., Ravoninjatovo J-M., Haingomanantsoa R.S., **Ramananantoandro T.**, 2022. Allometric models to predict the individual aboveground biomass of shrubs of Malagasy xerophytic thickets. *Journal of Arid Environments* 202, 104751
4. Aritsara A.N.A, Razakandraibe V.M., **Ramananantoandro T.**, Gleason S.M., Cao K.F., 2021. Increasing axial parenchyma fraction in the Malagasy Magnoliids facilitated the cooptimization of hydraulic efficiency and safety. *New Phytologist* 229(3) : 1467-1480.
5. Mevanarivo Z.E., **Ramananantoandro T.**, Tomazello Filho M., Napoli A., Razafimahatratra A.R., Razakamanarivo H.R., Chaix G., 2020. Variability in the physico-chemical properties of wood from *Eucalyptus robusta* depending on ecological growing conditions and forestry practices: The case of smallholdings in the Highlands of Madagascar. *Maderas. Ciencia Y Tecnologia* 22(4): 425-438.
6. Randrianasolo Z.H., Razafimahatratra A.R., Razafinarivo R.N.G., Randrianary T., Rakotovololonalimanana H., Rajemison A.H., Mamitiana A., Andriamanalina R.L., Rakotosoa A., **Ramananantoandro T.** 2019, Which allometric models are the most appropriate for estimating aboveground biomass in secondary forests of Madagascar with *Ravenala madagascariensis*?. *Scientific African* e00147
7. Ramanakoto M.F., **Ramananantoandro T.**, Eyma F., Castanié B, 2019. Visuo-tactile and topographic characterizations of finished wood surface quality by French consumers and industrialists: acceptability thresholds for raised grain. *Annals of Forest Science* 76: 26.
8. Gaspard D.T., Venegas-González A., Beeckman H., Randriamalala J.R., Tomazello-Filho M., De Ridder M., **Ramananantoandro T.**, 2018. Tree ring responses to climate variability of xerophytic thickets from South Soalara, Madagascar. *Dendrochronologia* 49: 57-67.
9. Ng'Andwe P., Chungu D., Ratnasingam J., **Ramananantoandro T.**, Donfack P., Mwitwa J., 2018. Forestry industry development in Zambia: an opportunity for public private partnership for small and medium enterprises. *International Forestry Review* 19(4):467-477.
10. **Ramananantoandro T.**, Eyma F., Belloncle C., Rincé S., Irle M., 2018. Effects of machining parameters on raised grain occurring after the application of water-based finishes. *European Journal of Wood and Wood Products* 76(4): 1323–133.
11. Randriamalala J.R., **Ramananantoandro T.**, Radosy H.O., Randriambanona H., Hervé D., 2017. Annual biomass increment of Xerophytic thickets and sustainability of woody charcoal production in southwestern Madagascar. *Forest Ecology and Management* 400 : 139-149.
12. Razafimahatratra A.R., **Ramananantoandro T.**, Razafimaharo V., Chaix G., 2016. Provenance and progeny performances and genotype × environment interactions of *Eucalyptus robusta* grown in Madagascar. *Tree Genetics & Genomes* 12(3).
13. Andriamananjara A., Hewson J., Razakamanarivo H., Hary A.R., Ranaivoson N., Ramboatiana N., Razafindrakoto M., Ramifehiarivo N., Razafimanantsoa M.P., Rabeharisoa L., **Ramananantoandro T.**, Rasolohery A., Rabetokotany N., Razafimbelo T., 2016. Land cover impacts on aboveground and soil carbon stocks in Malagasy rainforest. *Agriculture, Ecosystems and Environment* 233 : 1-15.
14. **Ramananantoandro T.**, Ramanakoto M.F., Rajoelison G.L., Randriamboavonjy J.C., Rafidimanantsoa P., 2016. Influence of tree species, tree diameter and soil types on wood density and its radial variation in a mid-altitude rainforest in Madagascar. *Annals of Forest Science* 73(4) : 1113–1124.
15. Ramanakoto M.F., Andrianantenaina A.N., **Ramananantoandro T.**, Eyma F., Visual and visuo-tactile preferences of Malagasy consumers for machined wood surfaces for furniture - Acceptability thresholds for surface parameter, 2017. *European Journal of Wood and Wood Products* 75 (5), 825-837.

16. **Ramananantoandro T.**, Rafidimanantsoa H.P., Ramanakoto M.F., 2015. Forest aboveground biomass estimates in a tropical rainforest in Madagascar: new insights from the use of wood specific gravity data. *Journal of Forestry Research* 26(1) : 47 - 55.
17. Rakotovololonalimanana H, Chaix G, Brancheriau L, Ramamonjisoa L, **Ramananantoandro T**, Thévenon MF., 2015. A novel method to correct for wood MOE Ultrasonics and NIRS measurements on increment cores in *Liquidambar styraciflua* L. *Annals of Forest Science* 72(6): 753-761.
18. Razafintsalama V., **Ramananantoandro T.**, Belloncle C., Rajoelison G.L., Sorg J.P. 2014. Village uses and technological potential of timber from secondary forests in Madagascar ' s Menabe region. *Bois et Forêts des Tropiques* 320(2) : 59 - 73.
19. Rakotovololonalimanana H., Rakotondraoelina H., Chaix G., Ramamonjisoa L., Thévenon M.F., Randrianjafy H., **Ramananantoandro T.**, 2014. Adaptation and genetic variability in the growth of *Liquidambar styraciflua* L. from Mandraka, Madagascar. *Bois et Forêts des Tropiques* 320(2) :31-41.
20. **Ramananantoandro T.**, Larricq P., Eterradosi O., 2014. Relationships between 3D roughness parameters and visuotactile perception of surfaces of maritime pinewood and MDF. *Holzforschung* 68(1): 93 - 101.
21. **Ramananantoandro T.**, Ramanakoto M.F., Rajemison A.H., Eyma F., 2013. Relationship between physical and aesthetic attributes of wood and visuo-tactile preference of malagasy consumers. *Annals of forest science* 70(6) : 649 - 658.
22. **Ramananantoandro T.**, Rabemananjara Z.H., Randrianarimanana J.J., Pommier R. Constraints and opportunities for the valuation of bamboo chain in Eastern regions of Madagascar, 2013. *Bois et Forêts des Tropiques* 316(2) : 79-91.
23. Chaix G., Kokutse A.D., Ratovomboahangy B., Guibal D., Randrianjafy H., Rakotondraoelina H., Brancheriau L., Rakotovololonalimanana H., Hein Gherardi P.R., **Ramananantoandro T.** 2010. Prediction of radial and tangential shrinkages by near-infrared spectroscopy: example for two tropical species *Tectona grandis* from Togo and *Liquidambar styraciflua* from Madagascar. *Cerne* 16: 66-73.
24. Sinn G., Sandak J., **Ramananantoandro T.**, 2009. Properties of wood surfaces - characterisation and measurement. A Review Selected articles from the COST Action E35: Wood machining - micromechanics and fracture. *Holzforschung* 63(2): 196 - 203.
25. Baillères H., Vitrac O., **Ramananantoandro T.**, 2005. Assessment of continuous distribution of wood properties from a low number of samples: Application to the variability of modulus of elasticity between trees and within a tree. *Holzforschung* 59(5): 524-530.
26. Lafon D., **Ramananantoandro T.**, 2002. Color Images, Image Analysis Stereology 21(1): S61 - S97.

**Book
chapter**

1. **Ramananantoandro T.**, 2022. Archery – Bend the wooden bow, release ... bullseye!. In: Negro F. (eds.) *Wood in sport equipment – heritage, present, perspective*, pp 62-70, doi: 10.22382/book-2022-01.
2. Schmitz, N. (ed.), H. Beeckman, C. Blanc-Jolivet, L. Boeschoten, J.W.B. Braga, J.A. Cabezas, G. Chaix, S. Cramer, B. Degen, V. Deklerck, E. Dormontt, E. Espinoza, P. Gasson, V. Haag, S. Helmling, M. Horacek, G. Koch, C. Lancaster, F. Lens, A. Lowe, S. Martinez-Jarquín, J.A. Nowakowska, A. Olbrich, K. Paredes-Villanueva, T.C.M. Pastore, **T. Ramananantoandro**, A.R. Razafimahatratra, P. Ravindran, G. Rees, L.F. Soares, N. Tysklind, M. Vlam, C. Watkinson, E. Wheeler, R. Winkler, A.C. Wiedenhoef, V.Th. Zemke, P. Zuidema (2020). Overview of current practices in data analysis for wood identification. A guide for the different timber tracking methods. Global Timber Tracking Network, GTTN secretariat, European Forest Institute and Thünen Institute. DOI: 10.13140/RG.2.2.21518.79689
3. Razafinarivo R.N.G., Rafetrason F.N., Chaix Gilles, Tomazello M.F., Razakamanarivo H., **Ramananantoandro T.**, 2020. Variabilité longitudinale de la densité du bois des espèces tropicales de Madagascar. *Recherches pour le développement, Série Sciences Biologiques* n27. Centre d'Information et de Documentation Scientifique et Technique, Antananarivo, Madagascar. ISSN 1025 - 3467.

4. Schmitz N. (ed.), Beeckman H., Cabezas J.A., Cervera M.T., Espinoza E., Fernandez-Golfín J., Gasson P., Hermanson J.C., Jaime Arteaga M., Koch G., Lens F., Martínez-Jarquín S., Paredes-Villanueva K., Pastore T.C.M., **Ramananantoandro T.**, Schraml R., Schröder H., Sebbenn A.M., Tysklind N., Watkinson C, Wiedenhoeft A.C. 2019. The Timber Tracking Tool Infogram. Overview of wood identification methods' capacity. Global Timber Tracking Network, GTTN Secretariat, European Forest Institute and Thünen Institute.
5. Schmitz N. (ed.), Blanc-Jolivet C., Boner M., Cervera M.T., Chavesta M., Crononn R., Degen, B. Deklerck, V., Diaz-Sala C., Dormontt E., Ekué M., Espinoza E.O., Gasson P., Gehl D., Gehre M., Haag V., Hermanson J.C., Honorio-Coronado E., Koch G., Lancaster C., Lens F., Liendo-Hoyos E.P., Martínez-Jarquín S., Montenegro R., Paredes-Villanueva K., Pastore T., **Ramananantoandro T.**, Rauber-Coradin V.T., Ravaomanalina H., Rees G., Sebbenn A.M., Tysklind N., Vlam M., Watkinson C., Wiemann M. 2019. General sampling guide for timber tracking. Global Timber Tracking Network, GTTN Secretariat, European Forest Institute and Thünen Institute. DOI:10.13140/RG.2.2.26883.96806
6. Razafindrakoto M., Andriamananjara A., Razafimbelo T., Hewson J., Andrisoa R.H., Jones J.P.G., van Meerveld I., Cameron A., Ranaivoson N., Ramifehiarivo N., Ramboatiana N., Razafinarivo R.N.G., **Ramananantoandro T.**, Rasolohery A., Razafimanantsoa M.P., Jourdan C., Saint-André L., Rajoelison G., Razakamanarivo H., 2017. Organic Carbon Stocks in All Pools Following Land Cover Change in Rainforest of Madagascar. In book: Soil Management and Climate Change: Effects on Organic Carbon, Nitrogen Dynamics, and Greenhouse Gas Emissions, Publisher: Elsevier, Editors: Maria Munoz, Raúl Zornoza, pp.25-37. DOI: 10.1016/B978-0-12-812128-3.00003-3.
7. Randriamalala R.J., **Ramananantoandro T.**, Radosy H., 2015. Productivité en biomasse ligneuse des fourrés xérophiles. In Hervé D., Razanaka S., Rakotonadraompiana S., Rafamantanantsoa F., Carrière S. (eds.). Transitions agraires au sud de Madagascar. Résilience et vaibilté, deux facettes de la conservation, pp. 139-145.

Data paper

1. **Ramananantoandro T.**; Razafimahatratra A. R.; Razafinarivo R.; Rinaelintsoa M.; Razakamanarivo H., 2017. Wood specific gravity for trees in Ankeniheny Zahamena forest corridor, Madagascar. NERC Environmental Information Data Centre. <https://doi.org/10.5285/5e9fe20b-8d00-4bd3-99cb-7989fa781348>.

Articles in peer reviewed national journals

1. **Ramananantoandro T.**, Rasoamanana L.P., 2022. Apports de la spectroscopie proche infrarouge pour les thématiques de recherche de l'ESSA-Forêts à Madagascar. *Akon'ny Ala* 36 : 1-4.
2. Bouvet J.M., Bouillet J.P., **Ramananantoandro T.**, Carrière S.M., Leong Pock Tsy J.M., Andriamanpianina N., Rajoelina J.B., 2021. Les plantations forestières d'espèces introduites à Madagascar : mise en péril ou aide à la conservation de la biodiversité ? *Feuilles du flamboyant* 8 : 24-40.
3. Razafinarivo R.N.G., Rafetrason F.N., Chaix G., Tomazello Filho M., Razakamanarivo H., **Ramananantoandro T.**, 2020. Variabilité longitudinale de la densité du bois des espèces tropicales de Madagascar. *Recherches pour le Développement : Série Sciences Biologiques* 27 : 81-90. ISSN 1025-3467.
4. Randriamalala J.R., Andrianarisoa J.H., Rabeniala R., **Ramananantoandro T.**, Hervé D., 2018. Elevage caprin, une alternative pour conserver les fourrés xérophiles du Sud-Ouest malagasy. *Akon'ny ala* 34 : 43-49.
5. Rafidimanantsoa H.P., **Ramananantoandro T.**, Ramamonjisoa M., Eyma F., 2012. Formulation de briquettes à base de copeaux, sciure, poussière de bois et liant en utilisant une presse manuelle. *Akon'ny ala* 31 : 1-5.

International conferences

1. Rasoamanana L.P., Chaix G., Randriambintsoa T., Tomazello M., **Ramananantoandro T.**, 2022. Correction of the effect of wood moisture variation on the calibration of NIRS discrimination models: case of three *Dalbergia* species from Madagascar. 65th SWST International Convention, Kingscliff, Australia, July 10-15 2022.
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