

# Curriculum Vitae

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## Key qualifications (professional):

I hold master's degree in Range Management (1999) at the University of Nairobi, Kenya and a PhD in Management of Natural Resources (2010) from the Norwegian university of Life Sciences (NMBU), Norway. I have over 20 years of international research and teaching experience in ecology and management of natural resources. Currently, I am a researcher at Norwegian Institute of Bioeconomy Research (NIBIO). I worked as a researcher at the University of Oslo (UiO) and NMBU from July 2010-February 2023. My research focusses on patterns and processes in agricultural and natural landscapes, climate change, land-use/cover analysis, biodiversity conservation, and wildlife management. Highly skilled with long-term experience in organizing, and analyzing ecological data and presenting results to a high standard. Published more than 50 papers and technical reports, of which 42 are peer-reviewed scientific journal articles. I have solid ecological modelling/statistical background with very good skills in R/Rstudio programming, ArcGIS, and QGIS softwares. I also possess project leadership skills with interdisciplinary multicultural teams.

## Personal characteristics:

For most problems, I have proven track record to see pathways towards a solution. I am focused, efficient and deliver always as promised within the time frame agreed upon. I am passionate about speaking to people about the environment, a genuine interest to make the world a more environmental friendly place.

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## Work experience:

- 03.2023 – to date** **Norwegian Institute of Bioeconomy Research (NIBiO), Norway** **Researcher**  
Involved in monitoring of agricultural landscapes. I actively involve in ecological modelling, spatial and statistical data analyses, and mapping.
- 08.2021 – 02.2023** **University of Oslo (UiO), Norway** **Senior Project Advisor**  
Coordinating— NORPART funded project (Strengthening Education and Research in Conservation Biology: a collaboration between Addis Ababa University, Ethiopia and the Centre for Ecological and Evolutionary Synthesis (CEES), University of Oslo (UiO)). The responsibilities include follow up, ensuring the execution of the project activities, and reporting. As a team member, I was also involved in the inception of project idea, and development of the proposal.
- 07.2010 – to date** **University of Oslo (UiO), Norway** **Researcher**  
Involved as team member in various research projects (funded by the Norwegian Research Council, Statnet, Statktaft, Statskog, Vindval, etc.) on the effects of human developments on reindeer habitat use/behavior. Active participant in data collection, analysis and write-up of papers for publication. Impressive close working relations with local (UiO, NMBU, NINA) and international (Canadian and Swedish) researchers as well as with reindeer herders
- 03.2011 – 12.2020** **Norwegian University of Life Sciences (NMBU), Norway** **Researcher**  
Involved in the research projects, funded from various sources including the Norwegian Research Council/others, focusing mainly on the effects of human developments on

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## Curriculum Vitae

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reindeer habitat use/behavior. Specifically involved in data analysis (using latest software's and methodologies in the wildlife and behavioral studies), and paper write up for publication in peer-reviewed journals (see list of published works attached) and project reports to funders. Some of these projects were collaborative works with UiO. The percentage of employment varied each year.

- 09.1999 – 07.2005**    **Mekelle University, Ethiopia**    **Lecturer/Coordinator**  
Lecturer (2002-2005) at the Department of Animal, Rangeland and Wildlife Sciences. Developed curriculum and taught courses including General Ecology, Rangeland ecology, Research Methodology, Animal Nutrition. Project Coordinator (2003-2005), Afar Integrated Pastoral Development Program (a collaborative project between Mekelle University and the Development Fund of Norway). Manager (1999-2004), Dryland Husbandry Project at Mekelle University in collaboration with Organization for Social Science Research funded by SIDA (Sweden).
- 09.1992 – 11.1995**    **Ministry of Agriculture, Ethiopia**    **Livestock Marketing Expert**  
Involved in policy development, preparation of extension package documents for the livestock and wildlife sectors.
- 09.1989 – 08.1992**    **Development Project Studies Authority, Ethiopia**    **Project Planning Officer**  
Junior project planning and analysis expert, involved in feasibility studies and monitoring of agricultural projects.

### Education:

- 08.05 – 10.10**    Norwegian University of Life Sciences (NMBU), Norway    **PhD**  
**Doctor of Philosophy (PhD.) in Management of Natural Resources.** The PhD research project was entitled "Afar pastoralists in a changing rangeland environment" (Url: <https://nmbu.brage.unit.no/nmbu-xmlui/handle/11250/2431940>). The main focus was understanding the patterns of land-use changes (and consequences) that pose threats to key resources and peoples' livelihoods. It dealt with land use changes related to climate change, people's livelihoods, recruitment dynamics of an important food and fodder plant. I have published 5 papers in peer-reviewed scientific journals from my PhD work, 3 of them published prior to the PhD defense
- 12.95 – 11.99**    University of Nairobi/ Faculty of Agriculture, Kenya    **MSc**  
**Master of Science in Range Management:** I did my MSc thesis project on "land use changes and its impact on livestock and pastoral people in northeastern Ethiopia". I have published 2 papers in scientific peer-reviewed journals from my masters project.
- 09.85 – 07.89**    Alemaya University of Agriculture / Faculty of Agriculture, Ethiopia    **BSc**  
**Bachelor of Science (BSc.) in Agricultural Sciences** (major: Animal Science). The study courses focused on basic and applied animal sciences, specifically biology, behavior, production, reproduction, nutrition, diseases, management, etc. of both domestic and wild animals.

### Courses/further education:

- 09.2016**    Animal Movement Analysis and Remote Sensing in Conservation and Ecology Duration: 12 days/ content. Scope (12 days). The course consisted of lectures and independent work focusing on Animal Movement Analysis and Remote Sensing in Conservation and Ecology at the Max Planck Institute for Ornithology, Germany. The topics covered include: movement analysis in R, resource selection functions, step selection functions, continuous time movement models, remote sensing in open source software

# Curriculum Vitae

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- 05.2009 Training seminar in R statistical software (One week). It covers basics in R and applications to ecological data analysis. Emphasis was given to General mixed models
- 05.2008 Decentralized resource management (One week), Copenhagen University of Agriculture, Denmark.
- 03.2005 Pedagogical training (70 hours) given by pedagogy experts from Larenstein University of Professional organization (The Netherlands) in collaboration with Mekelle University in Ethiopia. An intensive course intended to improve academic instructions, including teaching methods, curriculum development, student assessment, & course evaluation.
- 07.1990 Agricultural Project Planning and Analysis (2 months and 2 weeks). Training on Agricultural Project Planning and Analysis at Ethiopian Management Institute organized by the Food and Agriculture Organization (FAO) and Development Project Studies Authority (DEPSA), (24 July - 03 November 1990).

**Software skills:** R/R studio: Strong statistical background & excellent knowledge in use of R for biological and ecological studies. ArGIS/remote sensing: I have very good knowledge and experience in using it for land-use/cover data analysis, habitat/home range analysis and other spatial mappings  
QGIS: I have basic knowledge and good experience.  
Using SPSS, Minitab, Sigmaplot and other statistical softwares whenever necessary. I have the ability to quickly learn and apply new statistical softwares/programming languages as well.

**Teaching:** Guest lecturer (MSc students 2011-2022) – Tropical Ecology. Topics include: Savana ecosystems, Spatial utilization of arid and semiarid areas by pastoralists and the concept of “State-and-Transition Models (STMs)” and how it relates to arid and semiarid rangelands. Faculty of Environmental Sciences and Natural Resource Management, Norwegian University of Life Sciences, Norway. Lecturer (2002-2005) – Bachelor and Postgraduate courses: Research Methodology, Rangeland Ecology and Management, General Ecology at the Faculty of Dryland Agriculture & Natural Resource Management, Mekelle University, Ethiopia

**Student supervision:** Co-supervised more than 10 masters students in the area of reindeer ecology: attached to the research projects I am working. My main role was helping them on how to compile their data, statistical analysis and methodology framing. Co-supervised a PhD student from Germany in the area of “Habitat use and predation patterns of reintroduced Eurasian lynx (*Lynx lynx*)”, completed March 2022. I have also coached more than 5 PhD students in framing their methodologies and analysis of biological and ecological data.

## Publications

### Peer-reviewed Scientific Journal Publications:

More than 40 publications in peer-reviewed scientific journals, 8 as first author and 2 as last senior author. Only peer-reviewed publications listed here. My name is bolded and underlined. Whenever I am a corresponding author it is denoted by \*. Citation number based on google scholar.

1. Stordal IF, Uleberg EV, **Tsegaye D**, Colman JE (2023). Restoration of seagrass habitats: Effects of artificial and natural sediments on the development of transplanted eelgrass (*Zostera marina*). *Aquatic Botany* 188: 103677. DOI10.1016/j.aquabot.2023.103677
2. Gutema TM, Mersha A, Aticho A, Gameda DO, Diriba S, Alemu T, Gemechu D, Habtamu T, Dinsa DT, **Tsegaye D**, Stenseth NC (2023). Wildlife roadkill in Southwestern Ethiopia: Hotspots, drivers, and victim species. *HELIYON* 9: e19783. DOI: 10.1016/j.heliyon.2023.e19783.
3. Eftestøl S, **Tsegaye D\***, Flydal K & Colman JE (2023) Effects of Wind Power Development on Reindeer: Global Positioning System Monitoring and Herders' Experience. *Rangeland Ecology & Management* 87: 55-68. <https://doi.org/10.1016/j.rama.2022.11.011>

4. Eftestøl S, **Tsegaye D\***, Flydal K & Colman JE (2021) Cumulative effects of infrastructure and human disturbance: a case study with reindeer. *Landscape Ecology* 36:2673–2689. <https://doi.org/10.1007/s10980-021-01263-1>
5. Disasa BE, Atickem A, **Tsegaye D**, Bekele A, De Beenhouwer M, Hundera K, Lens L, Fashing P, & Stenseth NC (2021) Traditional shade coffee forest systems act as refuges for medium- and large-sized mammals as natural forest dwindles in Ethiopia. *Biological Conservation* 260:109219. <https://doi.org/10.1016/j.biocon.2021.109219> [citation: 2]
6. Tröger C, **Tsegaye D** & Hohmann Ulf (2021) Roe deer population trend after reintroduction of Eurasian lynx within the Palatinate Forest: a first insight into a long-term study. *European Journal of Ecology* 7(2): 71–87. <https://doi.org/10.17161/euroj ecol.v7i2.15426> [citation: 1]
7. Tamrat M, Atickem A, **Tsegaye D**, Fashing P, Evangelista P, Bekele A & Stenseth NC (2021) Swayne's hartebeest (*Alcelaphus buselaphus swaynei*): Home range and activity patterns in Maze National Park, Ethiopia. *Journal of Mammalogy* 102(2): 396–403. <https://doi.org/10.1093/jmammal/gyaa185>
8. Aynekulu E, Sileshi GW, Rosenstock TS, Noordwijk M, **Tsegaye D**, et al. (2021). No changes in soil organic carbon and nitrogen following long-term prescribed burning and livestock exclusion in the Sudan-savanna woodlands of Burkina Faso. *Basic and Applied Ecology* 56: 165–175. <https://doi.org/10.1016/j.baae.2021.07.007> [citation: 1]
9. Tamrat M, Atickem A, **Tsegaye D**, Evangelista P, Bekele A & Stenseth NC (2020) The effect of season and post-fire on habitat preferences of the endangered Swayne's hartebeest (*Alcelaphus buselaphus swaynei*) in Maze National Park, Ethiopia. *BMC ecology* 20 (1): 1-12. <https://doi.org/10.1186/s12898-020-0275-3>. [citation: 5]
10. Tamrat M, Atickem A, **Tsegaye D**, Nguyen N, Bekele A, P Evangelista, Fashing, PJ & Stenseth NC (2020) Human–wildlife conflict and coexistence: a case study from Senkele Swayne's Hartebeest Sanctuary in Ethiopia. *Wildlife Biology* 2020 (3): wlb.00712. <https://doi.org/10.2981/wlb.00712> [citation: 16]
11. Reimers E, Eftestøl S, **Tsegaye D** & Granum K (2020) Reindeer fidelity to high quality winter pastures outcompete power line barrier effects. *Rangifer* 40(1): 27-40. DOI 10.7557/2.40.1.4968
12. Flydal K, **Tsegaye D\***, Eftestøl S, Reimers E & Colman JE (2019) Rangifer within areas of human influence - understanding effects in relation to spatio-temporal scales. *Polar Biology* 42:1-16. <https://doi.org/10.1007/s00300-018-2410-6> [citation: 18]
13. Eftestøl S, Flydal K, **Tsegaye D\*** & Colman JE (2019) Mining activity disturbs habitat use of reindeer in Finnmark, Northern Norway. *Polar Biology* 42 (10), 1849-1858. <https://doi.org/10.1007/s00300-019-02563-8>. [citation: 6]
14. Gutema TM, Atickem A, **Tsegaye D**, Bekele A, Sillero-Zubiri C, Marino J, Kasso M, Venkataraman VV, Fashing PJ & Stenseth NC (2019) Foraging ecology of African wolves (*Canis lupaster*) and its implications for the conservation of Ethiopian wolves (*Canis simensis*). *Royal Society Open Science* 6 (9): 190772. <https://doi.org/10.1098/rsos.190772>. [citation: 9]
15. Gebremichael G, **Tsegaye D**, Bunnefeld N, Zinner D & Atickem A (2019) Fluctuating asymmetry and feather growth bars as biomarkers to assess the habitat quality of shade coffee farming for avian diversity conservation. *Royal Society Open Science* 6 (8): 190013. <https://doi.org/10.1098/rsos.190013>. [citation: 45]
16. Gutema TM, Atickem A, Bekele A, Sillero-Zubiri C, Kasso M, **Tsegaye D**, Venkataraman VV, Fashing PJ, Zinner D & Stenseth NC (2018) Competition between sympatric wolf taxa: an example involving African and Ethiopian wolves. *Royal Society open science* 5 (5): 172207. <https://doi.org/10.1098/rsos.172207>. [citation: 11]
17. **Tsegaye D\***, Colman JE, Eftestøl S, Flydal K, Rothe G, Rapp K (2017) Reindeer spatial use before, during and after construction of a wind farm. *Applied Animal Behavior Science* 195:103-111. <https://doi.org/10.1016/j.applanim.2017.05.023>. [citation: 15]
18. Aynekulu E, Mekuria W, **Tsegaye D\***, Feyissa K, Angassa A, de Leeuw J & Shepherd K (2017) Long-term livestock enclosure did not affect soil carbon in southern Ethiopian rangelands. *Geoderma* 307: 1-7. <https://doi.org/10.1016/j.geoderma.2017.07.030>. [citation: 47]
19. Colman JE, Bergmo T, **Tsegaye D\***, Flydal K, Eftestøl S, Lilleeng MS & Moe SR (2017) Wildlife response to infrastructure: the problem with confounding factors. *Polar Biology* 40 (2): 477-482. <https://doi.org/10.1007/s00300-016-1960-8>. [citation:13].

20. Skatter HG, Charlebois ML, Eftestøl S, **Tsegaye D\***, Colman JE, Kansas JL, Flyda K & Balicki B (2017) Living in a burned landscape: woodland caribou (*Rangifer tarandus caribou*) use of postfire residual patches for calving in a high fire - low anthropogenic Boreal Shield ecozone. *Canadian Journal of Zoology* 95(12): 975–984 <https://cdnsiencepub.com/doi/10.1139/cjz-2016-0307> [citation: 148]
21. Eftestøl S, **Tsegaye D\***, Flydal K & Colman JE (2016) From high voltage (300 kV) to higher voltage (420 kV) power lines: reindeer avoid construction activities. *Polar Biology* 39 (4), 689–699. <https://doi.org/10.1007/s00300-015-1825-6>. [citation:22].
22. Meaza H, **Tsegaye D** & Nyssen J (2016) Allocation of degraded hillsides to landless farmers and improved livelihoods in Tigray, Ethiopia. *Norsk Geografisk Tidsskrift-Norwegian Journal of Geography* 70 (1): 1–12. <https://doi.org/10.1080/00291951.2015.1091033>. [citation:22].
23. Colman JE, **Tsegaye D\***, Flydal K, Rivrud IM, Reimers E & Eftestøl S (2015) High-voltage power lines near wild reindeer calving areas. *European Journal of Wildlife Research* 61 (6): 881–893. <https://doi.org/10.1007/s10344-015-0965-x>. [citation:17].
24. Rannestad OT, **Tsegaye D\***, Munishi PKT & Moe SR (2015) Bird abundance, diversity and habitat preferences in the riparian zone of a disturbed wetland ecosystem—the Kilombero Valley, Tanzania *Wetlands* 35 (3): 521–532. <https://doi.org/10.1007/s13157-015-0640-8>. [citation:7].
25. Reimers E, Flydal K, Korslund L Eftestøl, Colman JE, **Tsegaye D** (2015) Power lines, reindeer and UV. *Biological Conservation* 100 (184): 471. DOI:10.1016/j.biocon.2014.12.026. [citation:3].
26. Eftestøl S, **Tsegaye D\***, Herfindal I, Flydal K & Colman JE (2014) Measuring effects of linear obstacles on wildlife movements: accounting for the relationship between step length and crossing probability. *European Journal of Wildlife Research* 60 (2): 271–278. <https://doi.org/10.1007/s10344-013-0779-7>. [citation:9].
27. Birhane E, Balehegn B, Kiros D & **Tsegaye D\*\*** (2014) Distribution, animal preference and nutritive value of browse species in the Rangelands of Afar, northern Ethiopia. *Ethiopian Journal of Biological Sciences* 13 (2): 135–148. <https://www.ajol.info/index.php/ejbs/article/view/139814> [citation:4].
28. Reimers E, **Tsegaye D**, Colman JE & Eftestøl S (2014) Activity patterns in reindeer with domestic vs. wild ancestry. *Applied Animal Behaviour Science* 150:74–84. <https://doi.org/10.1016/j.applanim.2013.10.010> [citation: 24].
29. **Tsegaye D\***, Moe SR, Vedeld P (2013) Pastoralists and livelihoods: A case study from northern Afar, Ethiopia. *Journal of Arid Environments* 91, 138–146. <https://doi.org/10.1016/j.jaridenv.2013.01.002> [citation: 94]
30. Reimers E, Nieminen M & **Tsegaye D** (2013) Antler casting in relation to parturition in semi-domesticated female reindeer. *Rangifer* 33 (1): 17–24. <https://jukuri.luke.fi/bitstream/handle/10024/520116/Reimers.pdf?sequence=1>. [citation: 6].
31. Colman JE, Eftestøl S, **Tsegaye D\***, Flydal K & Mysterud A (2013) Summer distribution of semi-domesticated reindeer relative to a new wind-power plant. *European Journal of Wildlife Research* 59(3):359–370. <https://link.springer.com/article/10.1007/s10344-012-0682-7> [citation: 28]
32. Colman JE, Lilleeng MS, **Tsegaye D\***, Vigeland MD & Reimers E (2012) Responses of wild reindeer (*Rangifer tarandus tarandus*) when provoked by a snow-kiter or skier: A model approach. *Applied Animal Behaviour Science* 142 (1-2): 82–89. <https://doi.org/10.1016/j.applanim.2012.08.009>. [citation: 18].
33. Colman JE, Eftestøl S, **Tsegaye D\***, Flydal K & Mysterud A (2012) Is a wind-power plant acting as a barrier for reindeer *Rangifer tarandus tarandus* movements? *Wildlife Biology* 18 (4): 439–445. <https://doi.org/10.2981/11-116>. [citation: 31].
34. Colman JE, **Tsegaye D\***, Pedersen C, Eidesen R, Arntsen H, Holand Ø, Mann A, Reimers E & Moe SR (2012) Behavioral interference between sympatric reindeer and domesticated sheep in Norway. *Rangeland Ecology & Management* 65 (3): 299–308. <https://doi.org/10.2111/REM-D-11-00094.1>
35. [citation: 31].
36. Aynekulu E, Denich M, **Tsegaye D**, Aerts R, Neuwirth B & Boehmer HJ (2011) Dieback affects forest structure in a dry Afromontane forest in northern Ethiopia. *Journal of Arid Environments* 75 (5): 499–503. <https://doi.org/10.1016/j.jaridenv.2010.12.013>. [citation: 49]
37. **Tsegaye D\***; Moe SR & Haile, M (2011). Seed predation and moisture limit germination of recalcitrant *Dobera glabra* (Salvadoraceae) seeds in the Afar rangelands, Ethiopia. *Journal of Arid Environments*. ISSN 0140-1963. 75(10): 903–908. <https://doi.org/10.1016/j.jaridenv.2011.04.031> [citation: 6]

38. **Tsegaye D\***, Moe SR, Vedeld P & Aynekulu E (2010) Land-use/cover dynamics in Northern Afar rangelands, Ethiopia. *Agriculture Ecosystems & Environment* 139:174-180. <https://doi.org/10.1016/j.agee.2010.07.017> [citation: 248].
39. **Tsegaye D\***, Haile M & Moe SR (2010) The effect of land use on the recruitment and population structure of the important food and fodder plant, *Dobera glabra* (Forssk.) Poir, in northern Afar. *Journal of Arid Environments* 74:1074-1082. <https://doi.org/10.1016/j.jaridenv.2010.03.003> [citation: 16].
40. **Tsegaye D\***, Moe SR & Haile M (2009) Livestock browsing, not water limitations, contributes to recruitment failure of *Dobera glabra* in Semiarid Ethiopia. *Rangeland Ecology & Management* 62:540-549. <https://doi.org/10.2111/08-219.1> [citation: 18]
41. Aynekulu E, Denich M, **Tsegaye D\*\*** (2009) Regeneration Response of *Juniperus procera* and *Olea europaea subsp cuspidata* to Exclosure in a Dry Afromontane Forest in Northern Ethiopia. *Mountain Research and Development* 29 (2): 143-152. <https://doi.org/10.1659/mrd.1076>. [citation: 40]
42. **Diress T. Alemu**, Nyariki DM & Farah KO (2000) Changing Land-use Systems and Socio-economic Roles of Vegetation in Semi-arid Africa: The case of the Afar and Tigray of Ethiopia. *Journal of Social Science* 4:199-206. <http://www.krepublishers.com/02-Journals/JSS/JSS-04-0-000-000-2000-Web/JSS-04-02-03-117-2000-Abst-PDF/JSS-04-02-03-199-206-2000.pdf>
43. **Diress T. Alemu**, Farah KO. & Nyariki DM (1999) Influence of Settlements on Land Use and Vegetation in the Rangelands of Northeastern Ethiopia: Application of Aerial Photographic Technique. *Journal of Human ecology* 10: 349-356. <http://www.krepublishers.com/02-Journals/JHE/JHE-10-0-000-000-1999-Web/JHE-10-5-6-329-099-Abst-PDF/JHE-10-05-06-349-099.pdf>

#### PhD and M.Sc. Theses:

1. **Tsegaye D** (2010) Afar pastoralists in a changing rangeland environment. PhD thesis, Department of Ecology and Natural Resources Management, Norwegian University of Life Sciences, Norway. <https://nmbu.brage.unit.no/nmbu-xmlui/handle/11250/2431940>
2. **Tsegaye D**, Farah KO & Mbuvi DM (1999) Impact of land use on vegetation resources with emphasis on woody vegetation in the semi-arid area of Aba'ala district, North Afar, Ethiopia. M.Sc. thesis, Department of Range management, University of Nairobi, Kenya.

#### Research and Development Project reports/books:

1. Colman JE, Eftestøl S, **Tsegaye D** & Flydal K (2020) *Sluttrapport: Raggovidda vindparks effekter på reinens arealbruk og den lokale reindriften*. Institutt for biovitenskap, Universitetet i Oslo, og Institutt for Naturforvaltning, Norges miljø- og biovitenskapelige universitet. 51 sider.
- 2.
3. Colman JE, Eftestøl S, **Tsegaye D**, Flydal K, Lilleeng M, Rapp K & Røthe G (2014) VindRein/KraftRein-Project. Effects of wind park and power line development on free-ranging reindeer in Norway. *Research report* (84 pp.). Department of Bioscience, University of Oslo, and Department of Ecology and Natural Resource Management, Norwegian University and Life Sciences. [https://www.mn.uio.no/ibv/forskning/prosjekter/vindrein/sluttrapport\\_vindrein\\_kraftrein\\_april2014\\_2.pdf](https://www.mn.uio.no/ibv/forskning/prosjekter/vindrein/sluttrapport_vindrein_kraftrein_april2014_2.pdf)
4. Colman JE, Eftestøl S, **Tsegaye D**, Flydal K & Rannestad OT (2016) Raggovidda vindpark. *Sluttrapport – Effekter av vindparken på frittgående tamrein*. Institutt for Biovitenskap, Universitetet i Oslo. 38 sider.
5. **Tsegaye D**, Baleghn M, Gebriwot K, Mitiku H, Gebresamuel G, Tessema M & Aynekulu E (2007). The role of 'Garsa' (*Dobera glabra*) for household food security at times of food shortage in Aba'ala Wereda, North Afar: Ecological adaptation and socio-economic value, a study from Ethiopia. Norway: Dryland Coordination Group, Report No. 49. Pp. 54. <http://www.drylands-group.org/noop/page.php?p=Articles/1246.html&d=1>
6. Assefa D, Belay M, **Tsegaye D** & Haile M (2007) Transplanting Sorghum as a Means of Ensuring Food Security: Study conducted in low rainfall sorghum growing areas of Northern Ethiopia. Dryland Coordination Group, Report No. 48. Pp. 49. <http://www.drylands-group.org/Articles/1198.html>
7. Mitiku H, **Tsegaye D** & Tegegene T. (eds.) (2004). Research and development experiences of the Dryland Husbandry Project in Ethiopia. Dryland Husbandry Project, Mekelle University, Mekelle, Ethiopia. ISBN: 9781904855408. Pp. 174.

## Curriculum Vitae

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- Ahmed AGM., Azeze A, Babiker M & **Tsegaye D** (2002) Post-drought recovery strategies among the pastoral households in the horn of Africa: A review. - Development Research Report Series no.3, Organization for Social Science Research in Eastern and Southern Africa (OSSREA) and Institute for Development Anthropology (IDA), Broadening Access and Strengthening Input Market Systems- Collaborative Research Support Program (BASIS-CRSP), USA. Addis Ababa. ISBN 1608-8875. Pp. 80.
- Tsegaye D**, Haile M, Yifter F & Tamene L (2003) Assessment of rangeland condition and mobility pattern in north eastern Ethiopia: field survey and application of GIS. In: N. Allsopp, A.R. Palmer, S.J. Milton, K.P. Kirkman, G.I.H. Kerley, C.R. Hurt, C.J. Brown (Eds.). Proceedings of the VIIth International Rangelands Congress 26th July - 1st August 2003, Durban, South Africa. ISBN: 0-958-45348-9.
- Fasil K, **Tsegaye D** & Synvannng G (2001) Traditional coping strategies of the Afar and Borana pastoralists in response to drought. - Dryland Coordination Group Report No. 17, Centre for International Environment and Development Studies (NORAGRIC). Pp. 74. <http://www.drylands-group.org/noop/page.php?p=Articles/303.html&d=1>

### Papers and posters presented in conferences/workshops

#### Oral presentations/conference proceedings:

- Tsegaye D**, Eftestøl S, Flydal K & Colman JE (2021) Change in space use for different scales in two Norwegian districts after wind power development-difficulties determining causality. **Paper presented** at the 18<sup>th</sup> north American Caribou Workshop (3-6 May 2021), Quebec, Canada
- Hart ER, Eftestøl S, **Tsegaye D**, Flydal K & Colman JE (2021) Evaluating Wildlife Cameras as a Method to Track Reindeer Behavior Near Power Lines. **Paper presented** at the 18<sup>th</sup> north American Caribou Workshop (3-6 May 2021), Quebec, Canada
- Colman JE, Flydal K, Rannestadn OT, **Tsegaye D**, Ryvarde L, Høiland K, Eftestøl S, González-León A & Reksten SS (2017) Effects of the Lista wind power plant on roadside revegetation and the space use of moose, red deer and roe deer. **Paper presented** at the Conference on Wind Energy and Wildlife Impacts (6-8 September 2017), Estoril, Portugal
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- Tsegaye D**, Haile M, Yifter F & Tamene L (2003) Assessment of rangeland condition and mobility pattern in north eastern Ethiopia: field survey and application of GIS. In: N. Allsopp, A.R. Palmer, S.J. Milton, K.P. Kirkman, G.I.H. Kerley, C.R. Hurt, C.J. Brown (Eds.). Proceedings of the VIIth International Rangelands Congress 26th July - 1st August 2003, Durban, South Africa. ISBN: 0-958-45348-9.

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- Colman JE, Flydal K, Rannestad OT, **Tsegaye D**, Ryvarde L, Høiland K, Eftestøl S, González-León A & Reksten, SS (2017). Effects of the Lista wind power plant on roadside revegetation and the space use of moose, red deer and roe deer. **Poster presented** at the Conference on Wind energy and Wildlife Impacts (CWW2017 -6-8 September), Estoril, Portugal
- Eftestøl S, Colman JE, Flydal K & **Tsegaye D** (2015) Reindeer reactions towards the Berlevåg wind power plant. **Poster presented** at the 14<sup>th</sup> Arctic Ungulate Conference (16-21 August 2015), Røros, Norway.
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- Colman JE, Lin W, Moe SR & **Tsegaye D** (2012) The influence of reindeer grazing and trampling on newly seeded fields in northern Norway. **Poster presented** at the North American Caribou Workshop (26-29 October 2012), Fort St. Johns, Canada
- Colman JE, Trøger C, Eftestøl S & **Tsegaye D** (2012) The Strip Transect Method (STM) versus the Plot Sampling Method (PSM); what provides the best data in the least amount of time? **Poster presented** at the North American Caribou Workshop (26-29 October 2012), Fort St. Johns, Canada

# Curriculum Vitae

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**Languages:** English (Full professional working proficiency, IRL level 4)  
Amharic (mother tongue)  
Norwegian (very basic communication and reading)

**Interests:** I love working with large data sets.

**References:** Wenche Dramstad (PhD). Head of Department/Head of Research, Landscape Monitoring, Division of Survey and Statistics, Norwegian Institute of Bioeconomy Research (NIBIO), Raveien 9, 1430 Ås. <https://nibio.no/en/employees/wenche-dramstad?locationfilter=true>

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