

Curriculum vitae for Per Christer Odén

My major research interests are in the area of global silviculture and forest renewal. The global climate change, deforestation and loss of biodiversity are emerging challenges today. New silvicultural research initiatives are expected to meet these challenges and societal needs related to forest management around the world. Aspects of silvicultural research in the changing world include socio-economic and cultural issues, silvicultural management for multiple-uses, silvicultural techniques for rehabilitation of degraded forests and landscapes, agroforestry strategies and technologies, recycling of waste products through forest fertilization, silvicultural management to control pests, and management of valuable or rare, endangered and threatened forest species. In light of these silvicultural research directions, our group has been and is still working in many countries throughout the world; namely Sweden (Europe), Nicaragua (Central America), Nepal, Laos, India and Iran (Asia), Burkina Faso and Ethiopia (Africa). The main focus of our research has been on development of techniques for seed quality assessment (e.g. biochemical markers and near infrared spectroscopy), effects of silvicultural management on structure and function of ecosystems, productivity of non-timber forest products, stand dynamics and regeneration of forests, monitoring biodiversity in protected areas, rehabilitation of degraded landscape (including abandoned agricultural lands), characterization of storage behavior for effective ex situ conservation of forest genetic resources, and evaluation of provenances for future tree improvement programs. We also anticipate expanding the geographic locations of our research activities in the future given our competence in the area of forest regeneration, rehabilitation of degraded landscapes and searching for alternatives for ex site conservation of threatened species. Our research vision is to develop silvicultural practices that can be applied to develop new management approaches needed to balance economic, environmental and social criteria for sustainable forest management. At the moment, I have 8 PhD-students, of which two are supposed to start their PhD-education soon. My group is offering courses on undergraduate and graduate levels in topics related to global silviculture, forest regeneration and seed science. At graduate levels, I organize and offer courses in Seed Biology and Technology, Creative Science and Scientific paper writing and Tropical Forest Restoration. In addition, I supervise undergraduate theses, which are listed below.

Name: Per Christer Odén

Date of Birth: 20 Feb, 1954

Nationality: Swedish

Place of Birth: Umeå, Sweden

Position

Professor in Forest Seed Science at the Swedish University of Agricultural Sciences, Faculty of Forest Sciences, Department of Forest Genetics and Plant Physiology, 901 83 Umeå, Phone: +46 90 786 83 43. Fax: +46 90 786 83 14.

Degrees

Filosofie Kandidat exam in Chemistry and Biology at the University of Umeå, 1976.

Teachers exam in Chemistry and Biology at the University of Umeå, 1978.

PhD exam in Forest Plant Physiology at the Swedish University of Agricultural Sciences, 1983.

Docent in Forest Plant Physiology at the Swedish University of Agricultural Sciences, 1989.

Professor in Forest Seed Science, 1992.

Employments

1979-1985:	Assistant, Swedish University of Agricultural Sciences.
1986-1991	Forskarassistent, Swedish University of Agricultural Sciences.
1985-1987	Director of studies for education of Foresters, natural resources.
1987-1989	Director of studies for research education, Faculty of Forestry.
1992-	Professor, Swedish University of Agricultural Sciences.

Research programmes

Management of natural resources in Burkina Faso. Sida/SAREC.

Management of natural resources in Lao P.D.R. Sida/SAREC.

Stand density, biodiversity and regeneration in secondary dry forests in Nicaragua. Sida/SAREC.

Characterizaion of tropical and temperate forest seeds with reference to seed storage behaviour. India-Sweden co-operation. Sida/Swedish Research Council.

Responsible for educational activities on under-graduate and post-graduate levels

MSc-theses, 20 credits, D-level, SLU forest science programme.

Supervisor for Minor Field Studies in developing countries.

Forest reproduction and seed handling, 2 credits, PhD-level.

Creative science and scientific writing, 2 credits, PhD-level.

Tropical forest restoration, 4 credits, PhD-level.

Supervisor of under-graduate students

1. Liv G Johansen, 1983. Absciscic acid and shoot growth cessation in *Salix pentandra*. MSc-thesis, Tromsø university, Norway.
2. Per-Olov Brandtberg, 1989. Allelopathic substances in *Empetrum hermaphroditum*. (In swedish). MSc-thesis, SLU, Forestry, Umeå.
3. Martin Sigurd, 1993. Physiological effects of allelopathic substances from *Empetrum hermaphroditum* on *Pinus sylvestris* (In swedish). MSc-thesis, SLU, Forestry, Umeå.
4. Carina Holm, 1995. Fumarase, an enzymatic marker during invigoration of Scots pine, lodgepole pine, and Norway spruce seeds (In swedish). MSc-thesis, SLU, Forestry, Umeå.
5. Alice Kempe, 1995. Beechnuts (*Fagus sylvatica* L.): Breaking dormancy to get a fast and even germination. MSc-thesis, SLU, Forestry, Umeå.
6. Pierre du Vivier, 1998. The fumaric enzyme: a quick way to determine the germination quality? Experimentation on *Pinus sylvestris* seeds. MSc-thesis, SLU, Forestry, Umeå.
7. Leulseged Demelash, 2001-2002. Enhancing seed quality of two multipurpose tropical tree species: *Pinus patula* Schiede & Deppe and *Shinus molle* L. MSc-thesis, Swedish University of Agricultural Sciences, Department of Silviculture, Reports No 52.

8. Maria Schelin. 2002. Reproductive strategy of two valuable woody species, *Balanites aegyptiaca* and *Acacia macrostachya* from the savanna woodlands in Burkina Faso, West Africa. MSc-thesis, Swedish University of Agricultural Sciences, Department of Silviculture, Reports No 2002-11.
9. Sandra Razanamandranto, 2003. Effects of herbivory, smoke, and fire on germination of tree seeds from the savanna woodlands in Burkina Faso. MSc-thesis, Swedish University of Agricultural Sciences, Department of Silviculture, Reports No. 2003-7.
10. Joakim Fjällström. 2004. Release of Physiological Dormancy and Detection of Insect-Damaged Seeds of *Juniperus procera* with Cold Stratification and Visible – NIR Spectroscopy. MSc-thesis, Swedish University of Agricultural Sciences, Department of Silviculture, Report No. 2004-1.
11. Catherine Dembele. 2004. Forest Regeneration in Savanna-Woodland Subjected to Selective Cutting Disturbance in Burkina Faso, West Africa. MSc-thesis, Swedish University of Agricultural Sciences, Department of Silviculture, Report No. 2004-11.
12. Augusto Uasuf. 2004. Soil Seed Banks, Regeneration and their spatial patterns in dry deciduous and gallery forests in Nicaragua. MSc-thesis, Swedish University of Agricultural Sciences, Department of Silviculture, Report No. 2004-17.

Supervisor of post-graduate students

1. Björn Sundberg, 1983-1987. Quantitative and metabolic studies of IAA in conifers. PhD. (Assistant supervisor).
2. Thomas Moritz, 1985-1990. The role of gibberellins in flower bud differentiation in conifers. PhD.
3. Wang Qing, 1990-1996. Gibberellins and the control of shoot growth in Scots pine (*Pinus sylvestris* L.) PhD.
4. Tongyun Shen, 1996-2000. Biochemical aspects of forest tree seed viability and vigour. PhD-thesis, Silvestria 157.
5. Mulualet Tigabu, 1999-2003. Characterization of Forest Tree Seed Quality with Near Infrared Spectroscopy and Multivariate Analysis. PhD-thesis, Silvestria 274.
6. Ali Soltani, 1999-2003. Improvement of seed germination of *Fagus orientalis* Lipsky. PhD-thesis, Silvestria 275.
7. Benigno Gonzales Rivas, 2000-2005. Forest Tree Biodiversity and Regeneration in Tropical Dry Forests in Nicaragua. PhD-thesis. Acta Universitatis Agriculturae Sueciae 2005:58.
8. Guillermo Castro Marin, 2000-2005. Stand Dynamics and Regeneration in Tropical Dry Forests in Nicaragua. PhD-thesis. Acta Universitatis Agriculturae Sueciae 2005:59.
9. Didier Zida, 2002-. Influence of grazing, fire and selective cutting on reproduction strategies in forest ecosystems in the Sudanian Zone in Burkina Faso. PhD.
10. Niyedouba Lamien. 2002-. Non-timber forest products in Burkina Faso with particular emphasis on *Vittilaria paradoxa*. PhD student registered at University of Ouagadougou.

11. SaranTraore. 2002-. Effects of macro termitaria on the physical and biological components of dryland ecosystem. PhD student registered at University of Ouagadougou.
12. Sovu Xengvue. 2005-. Forest restoration on abandoned shifting cultivation lands in Lao PDR. PhD.
13. Catherine Dembele. 2005-. Clonal propagation of *Vittilaria paradoxa*, an industrial tree crop. PhD.
14. Indra Sapkota. 2005-. Species diversity and regeneration of community-managed forests in Nepal. PhD.
15. Djibril Dyamba. 2005-. Trade-off in tree and grass productivity in relation to different management regimes. PhD.
16. Fidel Bougnounou, 2005-. Silvicultural aspects of forage plants in Southwest Burkina Faso. PhD student registered at University of Ouagadougou.

Examiner and opponent of academic post-graduate theses

1. Lars-Håkan Mo. 1993. Somatic ambryogenesis in Norway spruce (*Picea abies*). PhD-thesis. Swedish University of Agricultural Sciences, Uppsala. Examiner.
2. Päivi Rinne. 1994. Hormonal regulation of bud burst and coppice shoot growth in *Betula*. PhD-thesis. University of Oulu, Finland. Opponent and examiner.
3. Barbro Ingemarsson. 1994. Ethylene in conifers: Involvement in wood formation and stress. PhD-thesis. University of Stockholm. Opponent.
4. Bo Sunzel. 1995. Interactive effects of zinc, rosins and resin acids on polymorphonuclear leukocytes, gingival fibroblasts and bacteria. MD-thesis. Umeå University. Examiner.
5. Jorunn E Olsen. 1995. Gibberellins and the photoperiodic control of shoot elongation in *Salix pentandra*. Agricultural University of Norway, Ås, Norway. PhD-thesis. Opponent and examiner.
6. Ulrika Egertsdotter. 1996. Regulation of somatic embryo development in Norway spruce (*Picea abies*). Swedish University of Agricultural Sciences, Uppsala. PhD-thesis. Examiner.
7. Karolina Tandré. 1997. Molecular approaches to the developmental biology of Norway spruce, *Picea abies*. Uppsala University. PhD-thesis. Examiner.
8. Povlsen, F.V. 1997. Seed maturation in broad-leaved tree species from the temperate climate. The Royal Veterinary and Agricultural University, Copenhagen, Denmark.
9. Izabela Sabala. 1998. Regulation of somatic embryo development in Norway spruce (*Picea abies*). A molecular approach. Swedish University of Agricultural Sciences, Uppsala. PhD-thesis. Examiner.

Scientific papers

1. Sandberg, G., Dunberg, A., Odén, P.C. 1981. Chromatography of acid phytohormones on columns of Sephadex LH-20 and insoluble poly-N-vinylpyrrolidone, and the application to the analysis of conifer extracts. *Physiologia Plantarum* 53: 219-224.
2. Odén, P.C. 1982. Phytohormones in Scots pine (*Pinus sylvestris* L.) and Norway spruce (*Picea abies* (L.) Karst.), with special attention to 3-indoleacetic acid and

- abscisic acid in Scots pine seedlings. PhD-thesis, Swedish University of Agricultural Sciences: pp. 1-26. ISBN 91-576-1361-3.
3. Odén, P.C., Andersson, B., Gref, R. 1982. Identification of gibberellin A9 in extracts of Norway spruce (*Picea abies* (L.) Karst.) by combined gas chromatography - mass spectrometry. *Journal of Chromatography* 247: 133-140.
 4. Sandberg, G., Odén, P.C. 1982. Effects of a short day treatment on pool-size, synthesis, metabolism and transport of 3-indoleacetic acid in pine seedlings (*Pinus sylvestris* L.). *Physiologia Plantarum* 55: 309-314.
 5. Sandberg, P.C., Odén, P.C., Dunberg, A. 1982. Population variation and diurnal changes in the content of indole-3-acetic acid of pine seedlings (*Pinus sylvestris* L.) grown in a controlled environment. *Physiologia Plantarum* 54: 375-380.
 6. Dunberg, A., Odén, P.C. 1983. Gibberellins in conifers. In: A. Crozier, ed., *The Biochemistry and Physiology of Gibberellins*, pp. 221-295. Praeger Scientific Publications. ISBN 0-03-059056-6.
 7. Odén, P.C., Dunberg, A. 1984. Abscisic acid in shoots and roots of Scots pine (*Pinus sylvestris* L.) seedlings grown in controlled long-day and short day environments. *Planta* 161: 148-155.
 8. Johansen, L.G., Odén, P.C., Junttila, O. 1986. Abscisic acid and growth cessation of apical growth in *Salix pentandra* L. *Physiologia Plantarum* 66: 409-412.
 9. Odén, P.C., Schwenen, L., Graebe, J.E. 1987. Identification of gibberellins in Norway spruce (*Picea abies*). *Plant Physiology* 84: 516-519.
 10. Odén, P.C., Weiler, E.W., Schwenen, L., Graebe, J.E. 1987. Comparison of gas chromatography - mass spectrometry, radioimmunoassay and bioassay for the quantitation of gibberellin A9 in Norway spruce (*Picea abies*). *Planta* 171: 212-219.
 11. Odén, P.C., Heide, O.M. 1988. Detection and identification of gibberellins in Begonia leaves by bioassay, radioimmunoassay and gas chromatography - mass spectrometry. *Physiologia Plantarum* 73: 445-450.
 12. Moritz, T., Philipson, J.J., Odén, P.C. 1989. Detection and identification of gibberellins in Sitka spruce (*Picea sitchensis*) of different ages by bioassay, radioimmunoassay and gas chromatography - mass spectrometry. *Physiologia Plantarum* 75: 325-332.
 13. Moritz, T., Philipson, J.J., Odén, P.C. 1989. Metabolism of tritiated and deuterated gibberellins in Sitka spruce (*Picea sitchensis*) during the period of flower bud differentiation. *Physiologia Plantarum* 77: 39-45.
 14. Odén, P.C., Heide, O.M. 1989. Quantitation of gibberellins and indoleacetic acid in Begonia leaves: Relationship with environment, regeneration and flowering. *Physiologia Plantarum* 76: 500-506.
 15. Odén, P.C., Schwenen, L., Graebe, J.E. 1989. Separation of gibberellins by normal phase high performance liquid chromatography. *Journal of Chromatography* 464: 195-200.
 16. Moritz, T., Odén, P.C. 1990. Metabolism of tritiated and deuterated gibberellin A9 in Norway spruce (*Picea abies*) shoots during the period of flower-bud differentiation. *Physiologia Plantarum* 79: 242-249.

17. Moritz, T., Philipson, J.J., & Odén, P. C. 1990. Quantitation of gibberellins A1, A3, A4, A9 and a cellulase hydrolysable A9-conjugate in good- and poor flowering clones of Sitka spruce (*Picea sitchensis*) during the period of flower bud differentiation. *Planta* 181: 538-542.
18. Moritz, T., Philipson, J.J., & Odén, P. C. 1990. Quantitation of gibberellins A1, A3, A4, A9 and a cellulase hydrolysable A9-conjugate in grafts of Sitka spruce (*Picea sitchensis*) during the period of shoot elongation. *Plant Physiology* 93: 1476-1481.
19. Shen, X.-H., Wang, Q., Odén, P.-C. 1991. Flower inductive treatment and quantitative analysis of gibberellins in grafts of Norway spruce (*Picea abies*). (In chinese). *Scientia Silvae Sinical*, 19: 216.
20. Dumas, P., Imbault, N., Moritz, T. & Odén, P. C. 1992. Detection and identification of gibberellins in Douglas fir (*Pseudotsuga menziesii*) shoots. *Physiologia Plantarum* 85: 489-494.
21. Odén, P.C., Einarsson, R. & Carlsson, G. 1992. Establishment of superoxide dismutase enzymes in pollen and pistills of *Zea mays* and in two commercial products, Baxtin and Polbax, derived from the same material. *Grana* 31: 76-80.
22. Odén, P.C., Brandtberg, P.-O., Andersson, R., Gref, R., Zackrisson, O., Nilsson, M.-C. 1992. Isolation and characterization of a germination inhibitor from leaves of *Empetrum hermaphroditum* Hagerup. *Scandinavian Journal of Forest Research* 7: 497-502.
23. Wang, Q., Little, C. H. A., Sheng, C., Odén, P. C. & Pharis, R. P. 1992. Effect of exogenous gibberellin A4/7 on longitudinal growth, tracheid production and the levels of indole-3-acetic acid and gibberellins A4, A7 and A9 in the terminal shoot of *Pinus sylvestris* seedlings. *Physiologia Plantarum* 86: 202-208.
24. Odén, P.C., Wang, Q., Högberg, K.-A. & Werner, M. 1994. Quantitation of gibberellins A9, A4, A1 and A3 in relation to flower bud differentiation in Norway spruce (*Picea abies*). *Scandinavian Journal of Forest Research* 9: 341-346.
25. Odén, P.C., Wang, Q., Högberg, K.-A. & Werner, M. 1995. Transport and metabolism of gibberellins in relation to flower bud differentiation in Norway spruce (*Picea abies*). *Tree Physiology* 15: 451-456.
26. Wang, Q., Little, C. H. A. & Odén, P. C. 1995. Effect of laterally applied GA4/7 on cambial growth and the level of indole-3-acetic acid in *Pinus sylvestris*. *Physiologia Plantarum* 95: 187-194.
27. Wang, Q., Little, C. H. A., Moritz, T. & Odén, P. C. 1995. Effects of Prohexadione on cambial and longitudinal growth and the levels of endogenous gibberellins A1, A3, A4 and A9 and Indole-3-acetic acid in *Pinus sylvestris*. *Journal of Plant Growth Regulation* 14: 175 181.
28. Wang, Q., Little, C. H. A., Moritz, T. & Odén, P. C. 1996. Identification of endogenous gibberellins and metabolism of tritiated and deuterated GA4, GA9 and GA20 in Scots pine (*Pinus sylvestris*). *Physiologia Plantarum*, 97: 764-771.
29. Wang, Q., Little, C. H. A. & Odén, P. C. 1997. Control of longitudinal and cambial growth by gibberellins and indole-3-acetic acid in current-year shoots of *Pinus sylvestris* L. - *Tree Physiology*, 17: 715-721.

30. Wang, Q., Little, C.H.A. & Odén, P.C. 1999. Control of longitudinal and cambial growth by gibberellins and indole-3-acetic acid in current-year shoots of *Pinus sylvestris* (L.). *Tree Physiology*.
31. Shen, T.Y. & Odén, P.C. 1999. Activity of sucrose synthase, soluble acid invertase and fumarase in germinating seeds of Scots pine (*Pinus sylvestris* L.) of different quality. *Seed Science and Technology* 27: 825-838.
32. Shen, T. Y. & Odén, P.C. 2000. Fumarase activity as a quick vigour test for Scots pine (*Pinus sylvestris* L.) seeds. *Seed Science and Technology*, 28: 825-835.
33. Shen, T.Y. & Odén, P.C. 2001. Seed quality and sucrose synthase activity changes during development and maturation of *Pinus sylvestris* L. seeds. *Seed Science and Technology* 30: 177-186.
34. Tigabu, M. & Oden, P.C. 2001. Effect of scarification, gibberellic acid and temperature on seed germination of two multipurpose *Albizia* species from Ethiopia. *Seed Science and Technology* 29, 11-20.
35. Demelash, L., Tigabu, M. & Oden, P.C. 2002. Separation of empty and dead-filled seeds from a seed lot of *Pinus patula* with IDS technique. *Seed Science and Technology* 30: 677-681.
36. Lestander, T. & Odén P.C. 2002. Separation of viable and non-viable filled Scots pine (*Pinus sylvestris* L.) seeds by single seed near infrared transmittance spectroscopy. *Seed Science and Technology* 30: 383-392.
37. Lestander, T., Geladi, P. & Odén P.C. 2002. 2- and 3-way analysis of near infrared scans from seed crossings. In *Near Infrared Spectroscopy: Proceedings from the 10th International Conference*, Davies, A.M.C. & Cho, R.K. (eds), pp 385-388.
38. Shen, T.Y. & Odén, P.C. 2002. Relationships between seed vigour and fumarase activity in *Picea abies*, *Pinus contorta*, *Betula pendula* and *Fagus sylvatica*. *Seed Science and Technology* 30: 177-186.
39. Tigabu, M. & Oden, P.C. 2002. Multivariate classification of sound and insect-infested seeds of a tropical multipurpose tree, *Cordia africana*, with Near Infrared reflectance Spectroscopy. *Journal of Near Infrared Spectroscopy* 10: 45-51.
40. Tigabu, M. & Oden, P.C. 2002. Near Infrared Spectroscopy as a potential technique to upgrade seed lot quality of conifers. Proc. of IUFRO Research Group for Seed Physiology and Technology. Sep. 11-15, 2002, Chania, Crete.
41. Demelash, L., Tigabu, M. & Oden, P.C. 2003. Enhancing germinability of *Schinus molle* L seed lot from Ethiopia with specific gravity and IDS techniques. *New Forests* 26: 33-41.
42. Schelin, M., Tigabu, M., Eriksson, I., Sawadogo, L., Odén, P.C. 2003. Effects of scarification, gibberellic acid and dry heat treatments on the germination of *Balanites aegyptiaca* seeds from Burkina Faso. *Seed Science and Technology* 31: 605-617.
43. Soltani, A., Lestander, T., Tigabu, M., Odén, P.C. 2003. Prediction of viability of oriental beechnuts, *Fagus orientalis*, using near infrared spectroscopy and partial least squares regression. *Journal of Near Infrared Spectroscopy* 11: 357-364.
44. Tigabu, M. & Oden, P.C. 2003. Discrimination of viable and empty seeds of *Pinus patula* Schiede & Deppe with near infrared spectroscopy. *New Forests* 25: 163-176.

45. Tigabu, M. & Oden, P.C. 2003. Near infrared spectroscopy-based method for separation of sound and insect-damaged seeds of *Albizia schimperiana*, a multipurpose legume. *Seed Science and Technology* 31: 317-328.
46. Demelash, L., Tigabu, M and Odén, P.C. 2004. Evaluating the relative storability of IDS-treated and untreated *Pinus patula* Schiede & Deppe seeds by accelerated aging. *Journal of Tropical Forest Science*, 16(2), 206-217.
47. Razanamandranto, S., Tigabu, M., Neya, S. and Odén, P.C. 2004. Effects of Gut Treatment on Recovery and Germination of Bovine and Ovine Ingested Seeds of Four Woody Species from the Sudanian Savanna in West Africa. *Flora*, 199 (5), 389-397.
48. Schelin, M, Tigabu, M, Eriksson, I., Sawadogo, L. and Odén, P. C. 2004. Predispersal seed predation in *Acacia macrostachya*, its impact on seed viability, and germination responses to scarification and dry heat treatments. *New Forests*, 27 (3), 251-267.
49. Tigabu, M and Odén, P.C. 2004. Simultaneous detection of filled, empty and insect-infested seeds of three *Larix* species with single seed near infrared transmittance spectroscopy. *New Forests*, 27, 39-53.
50. Tigabu, M and Odén, P.C. 2004. Rapid and non-destructive analysis of vigor of *Pinus patula* seeds using single seed near infrared transmittance spectra and multivariate analysis. *Seed Science and Technology*, 32, 593-606.
51. Tigabu, M, Odén, P.C., and Shen, T.Y. 2004. Application of near infrared spectroscopy for the detection of internal insect infestation in *Picea abies* seed lots. *Canadian Journal of Forest Research*, 34 (1), 76-84.
52. Castro G., Nygård, R., Gonzalez, B. and Oden, P.C.. 2005. Stand dynamics and basal area change in a tropical dry forest reserve in Nicaragua. *Forest Ecology and Management*, 208, 63-75.
53. Soltani, A., Tigabu, M and Odén, P.C. 2005. Alleviation of Physiological Dormancy in Oriental Beechnuts with cold stratification at controlled and unrestricted hydration. *Seed Science and Technology* 33: 283-292.
54. Razanamandranto, S., Tigabu, M., Sawadogo, L. and Odén, P.C. 2005. Seed germination of eight savanna-woodland species from West Africa in response to different Cold Smoke Treatments. *Seed Science and Technology* 33: 315-328.
55. Tigabu, M, Odén, P.C. and Lindgren, D. 2005. Identification of seed source and parents of *Pinus sylvestris* L. using visible–near infrared reflectance spectra and multivariate analysis. *TREES* 19: 468-476.
56. Zida, D., Tigabu, M., Sawadogo, L. and Odén, P.C. 2005. Germination requirements of seeds of four woody species from the Sudanian savanna in Burkina Faso, West Africa. *Seed Science and Technology*, 33: 581-593.
57. Gonzalez, B., Tigabu, M., Gerhardt, K., Castro, G. and Odén, P.C. 2006. Species Composition, Diversity and Local Uses of Tropical Dry Deciduous and Gallery Forests in Nicaragua. *Biodiversity and Conservation* 15: 1507-1527.
58. Lamien, N., Boussim, J.I., Nygard, R., Ouédraogo, J.S., Odén, P.C. and Guinko, S. 2006. Mistletoe impact on Shea tree (*Vitellaria paradoxa* C.F. Gaertn.) flowering and fruiting behaviour in savanna area from Burkina Faso. *Environmental and Experimental Botany* 55: 142-148.

59. Lamien, N., Tigabu, M., Odén, P.C. and Guinko, S. 2006. Effects of branch and trunk girdling on fruit production of *Vitellaria paradoxa* in Burkina Faso. *Fruits* 61: 259-266.
60. Sivakumar, V., Anandalakshmi, R., Warriar, R.R., Tigabu, M., Odén, P.C., Vijayachandran, S.N., Geetha, S. and Singh, B.G. 2006. Effects of presowing treatments, desiccation and storage conditions on germination of *Strychnos nux-vomica* seeds, a valuable medicinal plant. *New Forests* 32:121-131.
61. Sivakumar, V., Warriar, R.R., Anandalakshmi, R., Tigabu, M., Odén, P.C., Vijayachandran, S.N., Geetha, S and Singh, B.G. 2006. Germination requirements and storage behavior of *Myristica dactyloides* Gaertn. Seeds. *Seed Science and Technology* 34: 751-755.
62. Lamien, N., Tigabu, M., Guinko, S. and Odén, P.C. 2006. Variations in dendrometric and fruiting characters of *Vitellaria paradoxa* populations and multivariate models for estimation of fruit yield. *Agroforestry Systems (in press)*.
63. Tigabu, M., Fjellström, J., Odén, P.C. and Teketay, D.. 2006. Germination of *Juniperus procera* seeds in response to stratification and smoke treatments, and detection of insect-damaged seeds with VIS+NIR spectroscopy. *New Forests (in press)*.
64. Ky-Dembele, C., Tigabu, M., Bayala, J., Ouédraogo, S.J., Odén, P.C., 2006. The relative importance of different regeneration modes for the restoration of selectively cut savanna-woodland in Burkina Faso, West Africa. *Forest Ecology and Management (accepted for publication)*.
65. Castro, G., Tigabu, M., Gonzalez, B. and Odén, P.C. 2006. A chronosequence analysis of forest recovery on abandoned agricultural fields in Nicaragua. *Forest Ecology and Management (submitted)*.
66. Castro, G., Tigabu, M., Gonzalez, B. and Odén, P.C. 2006. Seed germination and seedling establishment of four dry forest species in Nicaragua. *Acta Oecologica (submitted)*.
67. Gonzalez, B., Tigabu, M., Castro, G. and Odén, P.C. 2006. Seedling and sapling population densities and spatial patterns of four naturally regenerated dry forest species in Nicaragua. *Flora (submitted)*.
68. Gonzalez, B., Tigabu, M., Castro, G. and Odén, P.C. 2006. Seed germination and seedling establishment of three Neotropical forest species in response to temperature and light conditions. *New Forests (submitted)*.
69. Sapkota, I., Tigabu, M., Oden, P.C. 2006. Tree diversity and regeneration of community-managed Bhabar lowland and Hill Sal forests in central region of Nepal. *(submitted)*.
70. Sapkota, I., Tigabu, M., Oden, P.C. 2006. Households characteristics and dependency on community forests in Terai of Nepal. *Ecological Economics (submitted)*.
71. Sivakumar, V., Gurudev Singh, B., Chevanan, G., Sekaran, S., Anandalakshmi, R., Warriar, R.R., Tigabu, M, Vargese, M and Odén, P.C. 2006. Culling phenotypically inferior parents in seed production area enhances seed and seedling quality of *Acacia auriculiformis*. *New Forests (submitted)*.