

Danmarks Miljøundersøgelser, Afdeling for Terrestrisk Økologi

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Emne: Morten Strandberg	Opdateret: 28-10-2002		
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Name: Morten Strandberg

Born: March 28 1957, Denmark

Education: Ph.D.

GLP-related experience and competence:

Courses: projektlederkursus ??

Logical Framework Analysis (LFA), Carl Bro A/S, Glostrup, Denmark, 7.-8. November 2001

Address: National Environmental Research Institute (DMU)
Department of Terrestrial Ecology
Vejløsvej 25, PO Box 314, DK-8600 Silkeborg, Denmark
Tel. +45 89 20 14 00, Fax +45 89 20 14 14, E-mail mts@dmu.dk

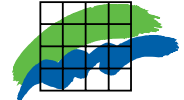
Experience and qualifications:

MS had his M.Sc. dissertation from University of Copenhagen, Department of Botanical Ecology in 1989. The subject of the M.Sc.-thesis was ecology of radiocesium in the grazing food chain. The Ph.D. dissertation from University of Copenhagen, Department of Ecology was in 1995. The Subject of the Ph.D. thesis. was radioactive tracerstudies in seminatural and natural ecosystems, with special emphasis on Danish forests. The mainpart of the Ph.D. was carried out at the Risø National Laboratory, Department of Environment - Ecology section. Since 1995 MS has been employed at the Danish National Environmental Research Institute (DMU), Department of Terrestrial Ecology (TERI).

Morten Strandberg is an experienced scientific adviser and coordinator. MS is experienced with planning and implementation of field work for scientific purposes. His fields of expertise include national and international project coordination, biomonitoring, vegetation geography, tracer studies, botany and food chain studies. MS's fields of work also includes aspects of ecological botany, environmental issues relating to the impact of excess nutrients in seminatural terrestrial ecosystems, arctic terrestrial ecosystems. In his present position at TERI, he has since 1995 been occupied as an adviser. The fields covers wide and includes popular and scientific presentations related to the critical load concept, but also includes items such as; economical impacts of tropospheric ozone on agricultural and forestry production, environmental sustainability of Danish agricultural production, assessments of environmental impacts of use of fertilisers and

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pesticides in forests, arrangement of Danish and international workshops and editing of joint publications from these workshops.

Research interests:

Sensitivity of natural and seminatural ecosystems to influences from agricultural and industrial pollution as well as the complex interaction between management, land use and pollution.
Special organisms groups of interest include fungi, mosses, lichens and higher plants.

Appointments:

1991 - 1995 Risø National Laboratory

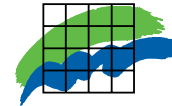
1995 - National Environmental Research Institute

Further activities:

Dato Morten Strandberg

Dato Hans Løkke

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Publications

Refereed publications

1. **Strandberg, M.** & Scott-Fordsmand, J. (subm.) Field effects of pendimethalin at lower trophic levels – a review. *Ecotoxicology and Environmental Safety* (subm.).
2. **Strandberg, M.** & Scott-Fordsmand, J. (2002) Field effects of simazine at lower trophic levels – a review. *The Science of the Total Environment* 296(1-3): 119-138.
3. Kjellson, G. & **Strandberg, M.** (2001) Monitoring and surveillance of genetically modified higher plants. Guidelines for procedures and analysis of environmental effects. Birkhauser Publishers Ltd. Basel, Switzerland.
4. Tybirk K, Nilsson M-C, Michelsen A, Kristensen HL, Shevtsova A, **Strandberg M**, Johansson M, Nielsen KE, Riis-Nielsen T, Strandberg B, and Johnsen I (2000) Nordic *Empetrum* dominated ecosystems: Function and susceptibility to environmental changes. *Ambio* **29**: 90-97.
5. **Strandberg, M.** and Johansson, M. (1999) Uptake of nutrients in *Calluna vulgaris* seed plants grown with and without mycorrhiza. *Forest Ecology and Management* 114: 129-135.
6. **Strandberg M** and Johansson M (1998) ¹³⁴Cs in heather seed plants grown with and without mycorrhiza. *Journal of Environmental Radioactivity* **40**: 175-184.
7. **Strandberg M** (1997) Distribution of ¹³⁷Cs in a Low Arctic ecosystem in West Greenland. *Arctic* **50**: 216-223.
8. **Strandberg, M.** (1995) Radioactive tracerstudies in natural and seminatural ecosystems. Ph.D. thesis. Risø National Laboratory 1995.
9. **Strandberg, M.** & Strandgaard, H. 1995, ⁹⁰Sr in antlers and bone of a Danish roe deer population. *Journal of Environmental Radioactivity* **27**: 65-74.
10. **Strandberg, M.** (1994) Contamination of annual crops. In "Dahlgard, H. ed. Nordic Radioecology, the transfer of radionuclides through Nordic ecosystems to man. *Studies in Environmental Science* **62**: 185-195.
11. **Strandberg, M.** & Knudsen, H. (1994) Mushroom spores and ¹³⁷Cs in faeces of the roe deer. *Journal of Environmental Radioactivity* **23**: 189-203.
12. **Strandberg, M.** (1994) Radiocesium in a Danish Pineforest ecosystem. *The Science of the Total Environment* **157**: 125-132.

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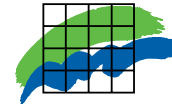
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Other international communications

1. Nielsen, B. & **Strandberg, M.** (1988) A literature study of the behaviour of cesium, strontium and plutonium in the soil plant ecosystem. Risø National Laboratory, DK 4000 Roskilde, Denmark.
2. **Strandberg, M.** (1992) Radiocesium in a Danish Pineforest ecosystem. Presentation at Seminar on The Dynamic Behaviour of Radionuclides in Forests; May 18-22, 1992; Stockholm, Sweden.
3. **Strandberg, M.** (1992) Investigation of radiocesium in fungi in a Danish scotch pine forest ecosystem. The 6th Nordic Seminar on Radioecology. 14 - 18 June 1992 Thorshavn, Föroyar.
4. Aarkrog, A., Bøtter-Jensen, L., Chen, Q.J., Dahlgaard, H., Hansen, H., Holm, E., Lauridsen, B., Nielsen, S.P., **Strandberg, M.** & Søgaard-Hansen, J. (1992) Environmental Radioactivity in Denmark in 1990 and 1991. Risø-R-621(EN).
5. Aarkrog, A., Buch, E., Chen, Q.J., Christensen, G.C., Dahlgaard, H., Hansen, H., Holm, E., Nielsen, S.P., & **Strandberg, M.** (1994) Environmental Radioactivity in the North Atlantic region Including the Faroe Islands and Greenland. 1990-1991. Risø-R-622(EN).
6. **Strandberg, M.** (1993) Levels of radiocesium in Danish North Zealandish forest ecosystem in 1989, 1991 and 1992. Presentation at the RAD-4 meeting in Ås (Norway) 26-29 of January 1993.
7. **Strandberg, M.** (1993) Land Use, Urban, suburban and farming. Part of Handbook on exposure situations following accidental releases. NKS-BER-1.
8. Aarkrog, A., Bøtter-Jensen, L., Chen, Q.J., Clausen, J., Dahlgaard, H., Hansen, H., Holm, E., Lauridsen, B., Nielsen, S.P., **Strandberg, M.** & Søgaard-Hansen, J. (1995) Environmental Radioactivity in Denmark in 1992 and 1993. Risø-R-756(EN).
9. **Strandberg, M.** (1995) Radioecological characteristics of ¹³⁷Cs in Danish Rozites caperatus. In "Transfer of radiocesium via mushroom to roe deer and man. TR-EKO-2(1995)2.
10. Aarkrog, A.; Chen, Q.J.; Clausen, J.L.; Christensen, G.C.; Dahlgaard, H.; Ellis, K.; Hansen, H.; Holm, E.; Joensen, H.P.; Nielsen, S.P.; **Strandberg, M.**, (1997) Environmental radioactivity in the North Atlantic Region including the Faroe Islands and Greenland. 1992 and 1993. Risø-R-757(EN) 132 p.
11. **Strandberg, M.** Bak, J., Mielbye, S., Platou, S. (1996) Mapping effects of ozone on yield of agricultural crops and forest production in Denmark. Arbejdsrapport fra DMU nr. 24, 1996.
12. **Strandberg, M.** (1996) The use of natural products for consumption in Denmark. NKS-R-EKO-2(1996)1.
13. **Strandberg, M.** & Johansson, M. (1996) Uptake of Nutrients in Calluna Seed Plants Grown with and without Mycorrhiza. Poster presented at "Mineral Cycling and Air Pollution Fluxes in Reforested Heathland", International Workshop, Hotel Vedersø Klit, Ulfborg, Denmark, August 26-28, 1996.
14. **Strandberg, M.** (1998) Sporocarp performance as dependent upon forest regeneration practice (preliminary results). Poster presented at the XIVth Nordic Mycological Congress. 13-18 September. Tranum, Denmark.
15. Bak, J. and **Strandberg, M.** (1999) Species and ecosystems endangered by excess nitrogen deposition. Chapter on terrestrial environments to the EEA monograph.
16. Kjær, C., Damgaard, C., Kjellsson, G., Strandberg, B. and **Strandberg, M.** (1999). Ecological risk assessment of genetically modified higher plants (GMHP). DMU-technical report 303.
17. Scott-Fordsmand, J.J., **Strandberg, M.** & Holmstrup, M. (2000) Ecotoxicology of glyphosate. DMU – review for Danish Environmental Protection Agency. 52 p.
18. Kruse, M. **Strandberg, M.** and Strandberg, B. (2000) Ecological effects of allelopathic plants – a review. DMU Technical report, No. 315.
19. Scott-Fordsmand, J.J. & **Strandberg, M.** (2000) Ecotoxicology of simazine. DMU – review for Danish Environmental Protection Agency. 48 p.
20. Scott-Fordsmand, J.J. & **Strandberg, M.** (2000) Ecotoxicology of diuron. DMU – review for Danish Environmental Protection Agency. 34 p.
21. Scott-Fordsmand, J.J. & **Strandberg, M.** (2000) Ecotoxicology of pendimethaline. DMU – review for Danish Environmental Protection Agency. 36 p.
22. Scott-Fordsmand, J.J. & **Strandberg, M.** (2001) Ecotoxicology of diflufenzuron. DMU – review for Danish Environmental Protection Agency. 35 p.
23. Scott-Fordsmand, J.J. & **Strandberg, M.** (2001) Ecotoxicology of metamitron. DMU – review for Danish Environmental Protection Agency. 20 p.
24. Nielsen, K.E., **Strandberg, M.**, Bak, J. & Løkke, H.: Conservation Objectives for Danish Heathlands. Integrating Biotic and Abiotic Components of Semi-Natural Ecosystems. Poster presented at European Platform for Biodiversity Research Strategy - EPBRS, Biodiversity Conservation in Theory and Practice, Brussels, Belgium, December 2-4, 2001.

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Contributions in Danish

1. **Strandberg, M.** & B.Strandberg (1991) Pycnoporellus fulgens, en ny dansk poresvamp. Svampe **24**:15-17.
2. Rald, R. & **Strandberg, M.** (1991) Rosa Gulhat (Bolbitius coprophilus) i Danmark. Svampe **24**:7-10.
3. Strandberg, B. & **Strandberg, M.** (1993) Vegetationen på Illulalik og i Nordfjord. I "Fredskild, B. & Bay, C., 1993, GBU årsrapport 1992.
4. **Strandberg, M.** (1993) Radioaktivt cæsium i svampe i Danmark. Svampe **28**:30-37.
5. **Strandberg, M.** & H. Knudsen, (1994) Forekomst af svampesporer i rådyrfaeces, Svampe **30**:50-51.
6. Rald, E. & **Strandberg, M.** (1994) Sortfodet Trævlhat, Inocybe melanopus, i Tisvilde Hegn. Svampe **30**:25-26.
7. Rald & **Strandberg, M.** (1994) Klidhat, Rozites caperatus - en art i tilbagegang i Danmark. Svampe **30**:27-30 .
8. **Strandberg, M.** (1994) Opstilling af interventionsniveauer for fødevarer grupperet efter kontaminationsmæssige egenskaber, samt indgrebsniveauer for landbruget. Beredskabsstyrelsen 1994.
9. **Strandberg, M.** (1995) Doser fra landbrugsproducerede fødevarer ved et tænkt reaktoruheld på Ignalinaværket i Lithauen. Beredskabsstyrelsen.
10. **Strandberg, M.** (1995) Elfenbensrørhat (Suillus placidus) genindvandret? Svampe **31**:10-11.
11. Strandberg, M. (1995) Grov sejporesvamp (Antrodia heteromorpha). Svampe **31**:10.
12. **Strandberg, M.** & Rald, E. (1995) Frugtlegemeproduktion og udbredelse af Klidhat (Rozites caperatus) i Tisvilde. Svampe **32**: 36-40
13. **Strandberg, M. (red.)** 1996, Ammoniak og naturforvaltning. Faglig rapport fra DMU, nr. 161, 1996.
14. Elmegaard, N., Løkke, H. & **Strandberg, M.** (1996): Miljøkonsekvensvurdering af reduktioner i pesticidforbruget i statsskovbruget. Rapport til Miljøstyrelsen. Undersøgelserprojekt inden for forskningen i bekæmpelsesmidlers effekt på miljøet.
15. **Strandberg, M.** & Mortensen, L. (1996) Naturens tålegrænser for luftforurening. Temarapport nr 7 fra DMU.
16. **Strandberg, M.** (1997): Køllekantarel (*Gomphus clavatus*) genfundet i Danmark. Svampe **35**:46-47.
17. **Strandberg, M.** (1997) Effekter på miljøet ved brug af gødning i skovbruget. Notat til Skov- og Naturstyrelsen. Danmarks Miljøundersøgelser. Afdeling for Terrestrisk Økologi.
18. **Strandberg, M.** (1997) Gør de det mere i Sverige og Finland end vi gør det i Danmark. Svampe **36**:32-36
19. **Strandberg, M. (red.)** (1998) Hedens kultur og natur. Rhodos, København.
20. Nielsen, J. **Strandberg, M.** Tybirk, K. & Groth, N.B. (1998) Det økologiske råderum for areal og fødevarer - et definitions- og metodeprojekt. Arbejdsrapport fra DMU nr: 92.
21. **Strandberg, M.** (1998/99) Vurdering af miljøvirkningen som følge af pesticidanvendelsen i det private skovbrug. Notat til Miljøstyrelsen i forbindelse med Bichel udvalgets arbejde. Danmarks Miljøundersøgelser. Afdeling for Terrestrisk Økologi.
22. **Strandberg, M.** (1999) Svar på bemærkninger fra undergruppen vedr. Skovbrug i Udvalget om Jordbrugsdyrkning til rapporten "Vurdering af miljøpåvirkning som følge af pesticidanvendelse i det private skovbrug. Svarnotat i forbindelse med Bicheludvalgets arbejde. . Danmarks Miljøundersøgelser. Afdeling for Terrestrisk Økologi.
23. Mark, S. & **Strandberg, M.** (1999) Modeller til bestemmelse af Naturkvalitet på udvalgte naturtyper ved hjælp af Neurale Netværk. Faglig rapport fra DMU nr 274.
24. **Strandberg, M.** (1999) Indikatorer for naturkvalitet i lysåbne terrestriske naturtyper . Præsentation af resultater - Ferske enge og strandenge . Naturkvalitet - kriterier og metodeudvikling Åbent seminar arrangeret af Danmarks Miljøundersøgelser, Danmarks og Grønlands Geologiske Undersøgelser og Forskningscenter for Skov og Landskab, Ferskvandscentret, Silkeborg, 10. november 1999.
25. **Strandberg, M.** (1999) Indikatorer for naturkvalitet i skov . Præsentation af resultater - et karplante- og strukturindeks . Naturkvalitet - kriterier og metodeudvikling Åbent seminar arrangeret af Danmarks Miljøundersøgelser, Danmarks og Grønlands Geologiske Undersøgelser & Forskningscenter for Skov og Landskab , Ferskvandscentret , Silkeborg , 10. november 1999.
26. Elmegaard, N., Løkke, H., **Strandberg, M.**, Grant, R., Pedersen, M.L. and Svendsen, L.M. (2000) Forbud mod pesticidudbringning i vinterhalvåret. Arbejdsrapport fra DMU nr. 122.
27. Kjellsson, G., **Strandberg, M.** & Damgaard, C. (2001) Økologisk risikovurdering af genetisk modificerede planter. Dansk planteværnskonference. DJF-rapport nr. 41: 157-169.
28. Strandberg, M. (2001) Tålegrænser for kvælstofdeposition i Danmark. DMU-notat, 16s.
29. Kjær, C., **Strandberg, M.**, Elmegaard, N., Larsen, S. (2002) Effekter af sprøjtemiddelfodrift på bærbærende buske og træer som indikator for biodiversitetsforandringer. Bekæmpelsesmiddelforskning nr. 60/2002.
30. Kjær, C., **Strandberg, M.** (2002) Påvirkninger af afdrift af ukrudtsmidler i tjørnehegn – et pilotprojekt. Ny Viden fra Miljøstyrelsen. nr. 3: in prep.

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31. Tybirk, K. Strandberg, M. (2002) Flersidige driftsformers betydning for flora og svampe i nåleskove. DST ?: in prep.

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Conferences attended

1. Nordiska Radioøkologi seminaret. Rättvik; Sweden 22-25 august 1988
2. Seminar on The Dynamic Behaviour of Radionuclides in Forests; May 18-22, 1992; Stockholm, Sweden.
3. The 6th Nordic Seminar on Radioecology. 14 - 18 june 1992 Thorshavn, Föroyar.
4. RAD-4 meeting in Ås (Norway) 26-29 of january 1993.
5. "Mineral Cycling and Air Pollution Fluxes in Reforested Heathland", International Workshop, Hotel Vedersø Klit, Ulfborg, Denmark, August 26-28, 1996.
6. TFIAM-20 meeting at CIEMAT in Madrid. 1 - 3 december 1997.
7. XIVth Nordic Mycological Congress. 13-18 september 1998. Tranum, Denmark.
8. Naturkvalitet – kriterier og metodeudvikling. Åbent seminar arrangeret af Danmarks Miljøundersøgelser, Danmarks og Grønlands Geologiske Undersøgelser & Forskningscenter for Skov og Landskab, Ferskvandscentret, Silkeborg, 10. november 1999.
9. Pesticidforskningsseminar 14 – 15 marts 2001, Odense Congress Center.
10. LMOs and the Environment – November 27 – 30, 2001, Raleigh/Durham, North Carolina, USA.

Conferences arranged

1. Ammoniak og Naturforvaltning – Workshop in Silkeborg, 30. November 1995. See Contributions in Danish no. 13.
2. Hedens kultur og Natur – Workshop in Silkeborg, 22 – 23. September 1997. See Contributions in Danish no. 19.
3. Nordic Empetrum workshop – Copenhagen, November 1997. See Refereed publications no. 2.

Teaching experience

1991 – Teacher in gymnastics and sport at Vidar school in Copenhagen

1997 – 1998 Tutor on MSc – thesis on *Campylopus introflexus* in Danish heathlands.