

12. Publications and reports

12.1 Publications by members of staff in 2002

Scientific publications in international, peer-reviewed journals and books

Bekele, A., H. Leirs & R. Verhagen, 2002: Composition of rodents and damage estimates on maize farms at Ziway, Ethiopia. In: G. R. Singleton, L. A. Hinds, C. J. Krebs, and D. M. Spratt, eds., *Rats, Mice and People: Rodent Biology and Management*. Canberra, Australian Center for International Agricultural Research, 262-263.

Friis, N.F., S.E. Jorsal, B. Kokotovic, J. Lodal, L.M. Nielsen, A.L. Schirmer, V. Sørensen & F. Thorup, 2002: [Leptospirosis in swine: A short review with a report on new outbreaks of Leptospirosis in Danish sow herds.] *Dansk Veterinærtidsskrift* **85** (5), 6-11. (In Danish: Leptospirose hos svin. Et kort tilbageblik med orientering om nye udbrud ledsaget af alvorlige abortproblemer. English summary)

Hansen, L.S. & K.-M.V. Jensen, 2002: Effect of Temperature on Parasitism and Host-Feeding of *Trichogramma turkestanica* (Hymenoptera: Trichogrammatidae) on *Ephestia kuehniella* (Lepidoptera: Pyralidae). *Journal of Economic Entomology* **95**(1): 50-56

Heiberg, A-C., H. Leirs & H.R. Siegismund, 2002. Bromadiolone resistance does not respond to absence of anticoagulants in experimental populations. In: G. R. Singleton, L.A. Hinds, C.J. Krebs & D.M. Spratt, eds., *Rats, Mice and People: Rodent Biology and Management*. Canberra, Australian Center for International Agricultural Research, 461-464.

Kilpinen, O., 2002: Activation of the poultry red mite, *Dermanyssus gallinae* (Acari: Dermanyssidae), by increasing temperatures. *Experimental and Applied Acarology* **25**: 859-867

Leirs, H. 2002: Management of rodents in crops: the Pied Piper and his orchestra. In: G.R. Singleton, L.A. Hinds, C.J. Krebs & D.M. Spratt, eds., *Rats, Mice and People: Rodent Biology and Management*. Canberra, Australian Center for International Agricultural Research, 183-190.

Leirs, H., A. Skonhøft, N.C. Stenseth & H.P. Andreassen, 2002: A bioeconomic model for the management of *Mastomys natalensis* mice in maize fields. In: G.R. Singleton, L.A. Hinds, C.J. Krebs & D.M. Spratt, eds., *Rats, Mice and People: Rodent Biology and Management*. Canberra, Australian Center for International Agricultural Research, 358-361.

Massawe, A. W., H. Leirs, W.P. Rwamugira & R.H. Makundi, 2002: Effect of land preparation methods on spatial distribution of rodents in crop fields. In: G.R. Singleton, L.A. Hinds, C.J. Krebs & D.M. Spratt, eds., *Rats, Mice and People: Rodent Biology and Management*. Canberra, Australian Center for International Agricultural Research, 229-232.

Mulungu, L. S., R.H. Makundi & H. Leirs, 2002: Robustness of techniques for estimating rat damage and yield loss in maize fields. In: G.R. Singleton, L.A. Hinds, C.J. Krebs & D.M. Spratt, eds., *Rats, Mice and People: Rodent Biology and Management*. Canberra, Australian Center for International Agricultural Research, 224-228.

Mulungu, L. S., R.H. Makundi, H. Leirs, A.W. Massawe, S. Vibe-Petersen & N.C. Stenseth, 2002: The rodent density-damage function in maize fields at an early growth stage. In: G.R. Singleton, L.A. Hinds, C.J. Krebs & D.M. Spratt, eds., *Rats, Mice and People: Rodent Biology and Management*. Canberra, Australian Center for International Agricultural Research, 301-303.

Ngowo, V., J. Lodal, L.S. Mulungu, R.H. Makundi, A.W. Massawe & H. Leirs, 2002: Evaluation of thiram and cinnamamide as potential repellents against maize-seed depredation by the multimammate rat, *Mastomys natalensis*, in Tanzania. In: G.R. Singleton, L.A. Hinds, C.J. Krebs & D.M. Spratt, eds., *Rats, Mice and People: Rodent Biology and Management*. Canberra, Australian Center for International Agricultural Research, 260-261.

Sichilima, A.M., M.S. Zulu and H. Leirs, 2002. The effects of *Tephrosia vogelii* and land preparation methods on mole rat activity in cassava fields. In: G.R. Singleton, L.A. Hinds, C.J. Krebs & D.M. Spratt, eds., *Rats, Mice and People: Rodent Biology and Management*. Canberra, Australian Center for International Agricultural Research, 254-255.

Sironen, T., A. Plyusnina, H.K. Andersen, J. Lodal, H. Leirs, J. Niemimaa, H. Henttonen, A. Vaheri, Å. Lundkvist & A. Plyusnin, 2002: Distribution of Puumala Hantavirus in Denmark: analysis of Bank voles (*Clethrionomys glareolus*) from Fyn and Jutland. *Vector Borne and Zoonotic Diseases* **2**: 37-47

Skovgård, H. & T. Steenberg, 2002: Activity of pupal parasitoids of the stable fly *Stomoxys calcitrans* and prevalence of entomopathogenic fungi in the stable fly and the house fly *Musca domestica* in Denmark. *BioControl* **47**: 45-60

Skovgård, H., 2002: Dispersal of the filth fly parasitoid *Spalangia cameroni* (Hymenoptera: Pteromalidae) in a swine facility using fluorescent dust marking and sentinel pupal bags. *Environmental Entomology* **31**: 425-431

Steenberg, T. & J.B. Jespersen, 2002: Control of house flies and "filth" flies. *Encyclopedia of Pest Management*, Marcel Dekker, Inc., New York, 144-147

Other scientific publications

Adler, C., S. Navarro, M. Schöller & L.S. Hansen (eds.), 2002: *Integrated Protection of Stored Products*. Bulletin IOBC/wprs 25(3). 267 pp.

Baggesen, D.L., M.N. Skov, J.J. Madsen, C. Rahbek, J. Lodal, J.B. Jespersen, J.C. Jørgensen & H.H. Dietz, 2002: Investigations on the significance of non-food animals in relation to introduction and persistence of *Salmonella enterica* in Danish food production animal herds. *Proceedings of the International symposium "Salmonella & salmonellosis"*, France, **2002**: 297-301

Hansen, L.S. & K.-M.V. Jensen, 2002: *Trichogramma turcestanica* against *Ephesia kuehniella* in flour mills: extent of host-feeding and initial results of a field trial. *Integrated Protection of Stored Products*, IOBC Bulletin, **25(3)**: 105-108

Hansen, L.S., 2002: A description of grain storage and associated pest problems in Denmark. *In: Proceedings of the 2nd meeting of COST Action WG IV*, 30-31 May, 2002, Prague, Czech Republic, 21-22.

Kilpinen, O., T. Steenberg, J.B. Jespersen, M.D. Soler Cruz, M.C. Vega Robles, M. Birkett, S. Dewhirst & J. Pickett, 2002: Advances in the development of alternative control methods against chicken mites. *Proceedings, Cost Action 833 "Mange and Myiasis in Livestock"* 5th Annual Meeting in Bari, Italy, September 18-21, 2002.

Expert reports and project reviews

Lodal, J. & O.C. Hansen, 2002: Human and Environmental Exposure Scenarios for Rodenticides – Focus on the Nordic Countries. TemaNord **2002:575**. Nordic Council of Ministers, Copenhagen. ISBN 92-893-0842-7. 181 pp.

Popular articles

Jespersen, J.B., J.Pickett, M.D. Soler Cruz & M. Guillon, 2002: Development of alternative control methods for the chicken mite (*Dermanyssus gallinae*). Catalogue of projects related to Control of Infectious Diseases funded under the Quality of Life and Management of Living Resources Programme.

Rasmussen, A. 2002: Kæm for alt hvad du har kært – klø om så det gælder. Alex, (2): 41-42

Schmidt, N.M., T.D. Lisborg, H. Olsen, & H. Leirs. 2002. Betydning af græsning og høslæt på populationer af småpattedyr. In: Nielsen, L., ed., Ferske enge - ekstensiv landbrugsproduktion, natur og miljø. Konference, Forskningscenter Foulum. Tjele. 12. marts 2002. Danish Institute of Agricultural Sciences, 40-44.

Presentations and posters at conferences

Baggesen, D.L., M.N. Skov, J.J. Madsen, C. Rahbek, J. Lodal, J.B. Jespersen, J.C. Jørgensen & H.H. Dietz, 2002: Investigations on the significance of non-food animals in relation to introduction and persistence of *Salmonella enterica* in Danish food production animal herds. Oral presentation at International Symposium “Salmonella and Salmonellosis”, Ploufragan, France, 29-31- May.

Hansen, L. Stengård & P. Sejerø Nielsen, 2002: Biological control of flour moths in flour mills – field trials with two natural enemies. Oral presentation at workshop at 8th International Working Conference on Stored Product Protection, York, U.K, 22-28 July.

Hansen, L. Stengård, L. Åberg, M. Kristensen & M. Sandgren, 2002: Near Infrared Transmission Spectroscopy for detection of insects and mites in grain. Poster presented at the 8th International Working Conference on Stored Product Protection, York, UK, 22-28 July.

Hansen, L., 2002: Pests in stored grain and seed. Oral presentation at seminar about “Quality of seed and grain”, Danish Institute of Agricultural Sciences, Slagelse, 18 December.

Jespersen, J.B., 2002: Flies in animal production: biology, importance, control measures, and insecticide resistance management strategies. Invited oral presentation at FAO-regional Meeting on pesticide resistance in parasites, Montevideo, Uruguay, 18-19 November.

Jespersen, J.B., O. Kilpinen, T. Steenberg, M.D. Soler Cruz, C.V. Robles, M. Birkett, S. Dewhurst & J. Pickett, 2002: Development of alternative control methods against chicken mites. Poster presentation, VII European Congress of Entomology, Thessaloniki, Greece, 7-13 October.

Jespersen, J.B., H. Skovgaard, T. Steenberg, O. Kilpinen & K.M. Vagn Jensen, 2002: Sustainable management of arthropod pests of veterinary importance. Invited oral presentation, VII European Congress of Entomology, Thessaloniki, Greece, 7-13, October.

Jespersen, J.B., 2002: 1) Insecticide resistance management strategies with special reference to houseflies, and 2) ENMARI: European Network for the Management of Arthropod Resistance to Insecticides and Acaricides. Invited oral presentations at the 3rd Annual Meeting of the African Network for Vector Resistance to Insecticides, Johannesburg, South Africa, 29-31 October.

Kilpinen, O., T. Steenberg, J.B. Jespersen, M.D. Soler Cruz, M.C. Vega Robles, M. Birkett, S. Dewhurst & J. Pickett, 2002: Advances in the development of alternative control methods against chicken mites. Poster presentation, Cost Action 833 “Mange and Myiasis in Livestock” 5th Annual Meeting in Bari, Italy, 18-21

September.

Leirs, H., 2002: African rodents: comes time, comes space. Invited opening keynote address at the 8th International Conference "Rodens & Spatium", Louvain-la-Neuve, Belgium, 22-26 July.

Leirs, H., 2002: Conservation advices based on rodent pest biology? Invited lecture at the 10th Meeting of the International Hamsterworkgroup, Tongeren, Belgium, 12-14 October.

Lisborg, T.D., H. Olsen & H. Leirs, 2002: Effekt af græsning og høslæt på arealanvendelse hos nordmarkmus. Lecture at conference held by the Danish Mammal Society at Kalø, Rønne, Denmark, 25-26 October.

Minten, J. & H. Leirs, 2002: A description of the process of recolonisation after pest control of *Mastomys natalensis* mice in Tanzanian maize fields. Poster presented at the 9th Benelux Congress of Zoology, Antwerp, Belgium, 8-9 November.

Mohr, K., S.Vibe-Petersen, L.L. Jeppesen, M. Bildsøe & H. Leirs, 2002: Foraging of multimammate mice (*Mastomys natalensis*) under different predation pressure: cover, patch dependent decisions and density-dependent GUDs. Poster presented at the 9th Benelux Congress of Zoology, Antwerp, Belgium, 8-9 November.

Nielsen, C., H. Skovgård & T. Steenberg, 2002: Interactions between two species of mitosporic fungi, larvae of *Musca domestica* and *Stomoxys calcitrans*, and the pupal parasitoid *Spalangia cameroni* (Hymenoptera: Pteromalidae). Poster presentation, VII European Congress of Entomology, Thessaloniki, Greece, 7-13 October.

Odhiambo, R., R. Verhagen, R. Makundi, N. Oguge, M. Corti, A. Bekele, A. Sichilima & H. Leirs, 2002: Rodent pests of staple crops in eastern Africa: densities and community dynamics. Poster presented at the 9th Benelux Congress of Zoology, Antwerp, Belgium, 8-9 November.

Olsen, H., T.D. Lisborg, N.M. Schmidt & H. Leirs, 2002: Betydning af græsning og høslæt på populationer af småpattedyr. Lecture at conference held at Research Centre, Foulum, Tjele, Denmark, 12 March.

Petersen, H.H., L.L. Jeppesen, S. Vibe-Petersen & H. Leirs, 2002: Predation risk assessment in the African multimammate mouse *Mastomys natalensis* (A. Smith 1834). Poster at the 8th International Conference "Rodens & Spatium", Louvain-la-Neuve, Belgium, 22-26 July.

Skovgård, H., J.B. Jespersen & G. Nachman, 2002: Biological control of the house fly *Musca domestica* and the stable fly *Stomoxys calcitrans* (Diptera: Muscidae) using *Spalangia cameroni* (Hymenoptera: Pteromalidae) in Danish dairy cattle and pig facilities. Talk given at VII European Congress of Entomology, Thessaloniki, Greece, 7-13 October.

Skovgaard, H., L. Stengård Hansen, T. Steenberg, K.-M.V. Jensen & O. Kilpinen, 2002: Naturlige fjender kan forebygge skadedyrproblemer. Poster and exhibition. Ecology Congress, Odense, Denmark, 20-21 November.

Sluydts, V. & H. Leirs, 2002: Population dynamics and demographic properties of *Mastomys natalensis* (Smith, 1834) in monoculture and mosaic fields. Poster presented at the 9th Benelux Congress of Zoology, Antwerp, Belgium, 8-9 November.

Vibe-Petersen, S. & H. Leirs, 2002: Body weight of African multimammate mice exposed to different predation pressure. Poster at the 8th International Conference "Rodens & Spatium", Louvain-la-Neuve, Belgium, 22-26 July.