

Topics for Your Master Thesis 2010

University of Copenhagen



Topic / Title	Institute (Department)	Contact Person (Name, E-Mail)
Internal parasites in livestock in organic farming: problems and perspectives	Veterinary Disease Biology	Professor Stig Milan Thamsborg smt@life.ku.dk
Benefits from robotic weeding – a case study	Agriculture and Ecology	Associate Professor Jesper Rasmussen jer@life.ku.dk
Improving weed management in organic cereals	Agriculture and Ecology	Associate Professor Jesper Rasmussen jer@life.ku.dk
Flower-strips for conservation biological control in organic fruit crops	Agriculture and Ecology	Associate Professor Lene Sigsgaard les@life.ku.dk
Development of high quality, semi-granular compost-based organic fertilizers for placement in high value row crops	Agriculture and Ecology	Professor Lars Stoumann Jensen lsj@life.ku.dk
Organic animal production and climate change	Large Animal Sciences	Associate Professor Hanne H. Hansen han@life.ku.dk
Carbon sequestration, atmospheric nitrogen deposition and ground water formation in forests	Forest & Landscape	Per Gundersen pgu@life.ku.dk
Consequences of intensive biomass harvesting on growth rates	Forest & Landscape	Karsten Raulund Rasmussen krr@life.ku.dk
Pathogens in forest and landscape trees, including Christmas trees	Forest & Landscape	Iben M. Thomsen imt@life.ku.dk
Trees and shrubs: genetics and adaptation to soil and climate	Forest & Landscape	Anders Ræbild are@lige.ku.dk
Invasive species ecology: terrestrial invertebrates and landscape weeds	Forest & Landscape	Hans Peter Ravn hpr@life.ku.dk
Organic fields and field edges as floral resources for wild pollinators	Agriculture and Ecology	PhD student Casper Ingerslev Henriksen cih@life.k.dk Associate Professor Vibeke Langer vl@life.ku.dk

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The Role of Landscape in Crop-pollinator Interaction	Agriculture and Ecology	Lene Sigsgaard les@life.ku.dk
Habitat or Crop Manipulation in Pest-predator Dynamics	Agriculture and Ecology	Lene Sigsgaard les@life.ku.dk
Ecology of Diseases of Honey bees and Solitary Bees	Agriculture and Ecology	Annette Bruun Jensen abj@life.ku.dk
Conservation and Inoculation Biological Control Using Insect Pathogens	Agriculture and Ecology	Jørgen Eilenberg jei@life.ku.dk
Adaptation of Natural Enemies to Invasive Insects	Agriculture and Ecology	Susanne Harding suha@life.ku.dk
Effects of Climate Change on the Dynamics of Insect Pests	Agriculture and Ecology	Susanne Harding suha@life.ku.dk
Manipulation of Agricultural Landscapes for Biodiversity	Agriculture and Ecology	Peter Esbjerg pe@life.ku.dk
Function of Plant Nitrilases in Specialist Insect Guts	Basic Sciences and Environment	Niels Agerbirk nia@life.ku.dk
Metabolism of Glucosinolates in Mustard-adapted Specialist Insects	Basic Sciences and Environment	Niels Agerbirk nia@life.ku.dk
Pests on Trees in Forestry, Urban Environment and Landscape - Importance in a Changing World	Forest and Landscape	Hans Peter Ravn hpr@life.ku.dk
Risk Evaluation of Invasive Organisms	Forest and Landscape	Hans Peter Ravn hpr@life.ku.dk
Agroforestry systems – trees/crops, production, animals, pest management	Forest and Landscape	Lars Schmidt lsc@life.ku.dk
Participatory forest management and governance issues	Forest and Landscape	Thorsten Treue ttr@life.ku.dk
Insect-parasite Interactions: Multiple Infections and Behavioural Ecology	Agriculture and Ecology	Nicolai Vitt Meyling nvm@life.ku.dk

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Heat injury of marginally heat treated food borne bacteria	Food Science	Prof. Susanne Knøchel skn@life.ku.dk
Role of eDNA and cell wall components in adherence and biofilm formation of gram positive bacteria	Food Science	Prof. Susanne Knøchel skn@life.ku.dk
Survival of pathogenic bacteria in anhydrous environments	Food Science	Prof. Susanne Knøchel skn@life.ku.dk
Bioprotective cultures: characterisation of interactions, compounds, and mechanisms	Food Science	Prof. Susanne Knøchel skn@life.ku.dk
Predicting increases in heat resistance of foodborne pathogens during dynamic heating	Food Science	Prof. Susanne Knøchel skn@life.ku.dk
Rural people's adaptation to climate change: the role and importance of forests and trees	Forest & Landscape	Carsten Smith-Hall cso@life.ku.dk
Natural toxins (biotoxins) from plants and fungi in the environment	Basic Sciences and Environment	Bjarne W. Strobel bjwe@life.ku.dk
Occurrence and effect of phytotoxins in soil and water from selected vegetations; e.g. Yew, Sorghum, Artemisia, Herbs & Medical Crops	Basic Sciences and Environment	Bjarne W. Strobel bjwe@life.ku.dk
Motivations of citizens to act more environmental and climate friendly	Basic Sciences and Environment	Bjarne W. Strobel bjwe@life.ku.dk
Biochar amendments to improve soil quality and plant root growth.	Basic Sciences and Environment	Bjarne W. Strobel bjwe@life.ku.dk
Changed environmental impact of organic contaminants in drain and steam water in future precipitation regimes (climate change scenarios for Europe)	Basic Sciences and Environment	Bjarne W. Strobel bjwe@life.ku.dk
Valuation methods and their application to recreation opportunities, afforestation and particular vegetation types	Forest and Landscape	Jette B. Jacobsen jbj@life.ku.dk

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Economic Effectiveness of Development Aid	Institute of Food and Resource Economics	Per Svejstrup Hansen pesh@life.ku.dk
The use of CGE models in development economics	Food and Resource Economics	Per Svejstrup Hansen pesh@life.ku.dk
Barriers to trade: Causes and consequences for international trade	Food and Resource Economics	Per Svejstrup Hansen pesh@life.ku.dk
Innovation systems in Agribusiness in developing countries	Food and Resource Economics	Per Svejstrup Hansen pesh@life.ku.dk
Economic Valuation Methods and Cost-Benefit Analysis	Food and Resource Economics	Per Svejstrup Hansen pesh@life.ku.dk
Food prices and food crises. Economic causes and consequences	Food and Resource Economics	Per Svejstrup Hansen pesh@life.ku.dk
Impact of chemical cocktails in aquatic systems for selected organic chemicals	Basic Sciences and Environment	Bjarne W. Strobel bjwe@life.ku.dk
Pyrethroids and other insecticides in streams or mechanism experiments	Basic Sciences and Environment	Bjarne W. Strobel bjwe@life.ku.dk
Organic contaminants in rainwater from roof run-off, and the environmental impact of using roof run-off water	Basic Sciences and Environment	Bjarne W. Strobel bjwe@life.ku.dk
Biocides in stream waters and sediments following outdoor treatments, e.g. algae removal from surfaces	Basic Sciences and Environment	Bjarne W. Strobel bjwe@life.ku.dk
Mycotoxins in streams in crop lands with high frequency of maize and wheat in the crop rotation	Basic Sciences and Environment	Bjarne W. Strobel bjwe@life.ku.dk
Benchmarking and efficiency analysis in the food industry	Institute of Food and Resource Economics	Per Svejstrup Hansen pesh@life.ku.dk

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Senior Citizens' Outdoor Recreation - Activities, Motives and Wishes	Forest & Landscape, Life, KU	Jette Hansen-Møller JHM@life.ku.dk
National Overview of Recreational Opportunities for +65 years Old	Forest & Landscape, Life, KU	Jette Hansen-Møller JHM@life.ku.dk
Danes' Perception of Nature in Respect to the Protection of Drinking Water Resources	Forest & Landscape, Life, KU	Jette Hansen-Møller JHM@life.ku.dk
Agri-Environmental Policies under the new CAP – Design and Implementation	Forest & Landscape, Life, KU	Lone Kristensen lokr@life.ku.dk
Cross-compliance: An Evaluation of the Design and Impact	Forest & Landscape, Life, KU	Lone Kristensen lokr@life.ku.dk
Hobby Farmers and their Farming – Motives and Practices	Forest & Landscape, Life, KU	Lone Kristensen lokr@life.ku.dk
Can shortage of ground and surface water on Sealand be alleviated by forest change from coniferous to broadleaf?	Forestry & Landscape	Per Gundersen pgu@life.ku.dk
Forest fragmentation (many edges) increase the nitrogen input to forest soils - Will this lead to leaching of nitrogen from forest and is that a problem?	Forestry & Landscape	Per Gundersen pgu@life.ku.dk
Is the ignored nutrient cycling with organic particles in throughfall and litterfall quantitatively important in forests? - a methodology study	Forestry & Landscape	Per Gundersen pgu@life.ku.dk
Meeting the requirements of the Water Framework Directive - a case study analysis of river basin management plans in EU	Department of Agriculture and Ecology	Christian Bugge Henriksen cbh@life.ku.dk
A review of National Climate Change Adaptation Plans in developed and developing countries	Department of Agriculture and Ecology	Christian Bugge Henriksen cbh@life.ku.dk
An analysis of the potential for GHG mitigation through carbon sequestration, and renewable energy technologies by the major emitting countries in 2050	Department of Agriculture and Ecology	Christian Bugge Henriksen cbh@life.ku.dk