



SURE – Research cooperation service

1) Name (please add your name):

Jouni Sorvari, PhD, Associate Professor (URL: <http://www.researcherid.com/rid/I-5375-2014>)

2) Institution (please add your affiliation):

Department of Environmental and Biological Sciences
University of Eastern Finland
Kuopio Campus

3) City / country (please add your city/country):

Kuopio, Finland

4) Contact (please add your contact details):

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5) Expertise (please add the fields of expertise you can provide):

- Social insects (ants, bees, bumblebees, social wasps), aquatic insects
- Biodiversity, insect immunity, insect respiration, heavy metals, pollution, gas chromatograph-mass spectrometry (GC-MS), statistics, meso- and microcosm studies
- Urban parks and greenery (I was a professional gardener before my academic career)

6) Interested research co-operation topics (please add topics for which you are looking for research partners):

- Effect of urban and exurban landscape and/or Urban Heat Island effect (UHI) on biodiversity using ants, bumblebees and social wasps as model group (e.g., comparison between eco/green cities vs. “concrete cities”, latitudinal gradient-related topics, green roofs, etc.)
- Effect of urban landscape and/or Urban Heat Island effect (UHI) on the physiological condition and phenotype of ants and bumblebees (immunity, energy reserves, respiration, properties of protective epicuticular hydrocarbon wax layer, etc.)



- Effect of urban landscape on the prevalence and transmission of the parasites and pathogens of bumblebees (ectoparasitic and tracheal mites, protozoan parasites)
- Effect of urban pollution on the biota; especially particulate matter (insect respiration, immunity, physiological condition, etc.)
- Urban environments as stepping stones for Invasive Alien Species (IAS)
- Urban stormwater run-off studies related to contamination, accumulation and effects on aquatic insects
- Urban stormwater retention ponds as novel ecosystems: biodiversity of aquatic insects and its effect on surrounding terrestrial ecosystem function (supporting birds, bats, spiders, predatory insects, e.g., social wasps; ecosystem health)

7) Interested research funding (please add for which specific call(s) you are looking for research partners, e.g. H2020 SCC-04-2016):

H2020 SCC-04-2016

H2020 SCC-02-2016-2017

Others/You name it!

If you are interested to look for research partners among the SURE network, please fill the form and send it back to Dr. Martina Artmann (m.artmann@ioer.de). We will put the form online at the SURE webpage.