

HANS KLOMPEN



Professional Preparation

- 1990 The University of Michigan, Ann Arbor, Michigan - Ph.D., Biology.
"Systematic relationships and the evolution of host associations in the mite family Sarcoptidae (Acari: Astigmata)."
- 1980 Catholic University, Nijmegen, The Netherlands - Major: Animal Ecology. Minors: Acarology, Genetics - Doctoraal Degree (comparable to an MS in the American system), Biology.

Appointments

- 2002-present: Associate Professor of Entomology, Ohio State University, Columbus, OH
1996-2002: Assistant Professor of Entomology, Ohio State University, Columbus, OH
1994-1996: Postdoctoral Associate, Colorado State University, Fort Collins, CO
1990-1994: Postdoctoral Associate, Georgia Southern University, Statesboro, GA

Program capsules

Research: Systematics and evolutionary ecology of mites (Acari). My systematic research is based on a mixture of morphological, developmental, and molecular data, currently focusing on the basal Mesostigmata. The resulting systematic hypotheses are used to address broader evolutionary questions, such as the evolution of phoresy and parasitism. A secondary focus is on biodiversity of soil mesostigmatid mites.

Teaching: Courses in general biology, insect morphology, and acarology.

Extension/Outreach: Co-organizer of the annual Acarology Summer Program

Five Selected Publications (59 total)

- Klompen, J. S. H. 1992. Phylogenetic relationships in the mite family Sarcoptidae (Acari: Astigmata). *Misc. Pub. Mus. Zool., Univ. Mich.* 180: 1-154.
- Klompen, J. S. H., W. C. Black, IV, J. E. Keirans, and D. E. Norris. 2000. Systematics and biogeography of hard ticks, a total evidence approach. *Cladistics* 16:79-102.
- Klompen, H. 2000. A preliminary assessment of the utility of elongation factor-1 α in elucidating relationships among basal Mesostigmata. *Exp. Appl. Acarol.* 24: 805-820.
- Klompen, H., Dobson, S.J. & Barker, S.C. 2002. A new subfamily, Bothriocrotoninae n. subfam., for the genus *Bothriocroton* Keirans, King & Sharrad, 1994 n. status (Ixodida: Ixodidae), and synonymy of *Aponomma* Neumann, 1899 with *Amblyomma* Koch, 1844. *Syst. Parasitol.* 53: 101-107.
- Lekveishvili, M & Klompen, H. 2004. Phylogeny of infraorder Sejina (Acari, Mesostigmata). *Zootaxa* 629: 1-19.

Funded Grants

- Klompen, J.S.H. "Evolution of phoresy and feeding associations in the mite order Parasitiformes" National Science Foundation, Systematic Biology. \$ 175,000. Sep 2001- Aug 2004.

Professional Service Highlights, Last 5 Years

- NSF Review Panel member for Biotic Surveys and Inventories (BS&I) / Planetary Biodiversity Inventories (PBI), 26-27 Mar, 2003
- President (2000-2001) and member Executive Committee (2003 on) of Acarology Society of America

Key Collaborations

Diversity of mesostigmatid mites in crop land situation. Collaboration in FTCE experiments with Deb Stinner (OSU).

Survey of bat parasitic mites in American Samoa, in collaboration with Ruth B. Utzurrum (American Samoa)

Molecular phylogeny of Parasitengona, in collaboration with Cal Welbourn (Florida) and Andreas Wohltmann (Bremen, Germany)

Biology of Opilioacaridae, in collaboration with Magdalena Vazquez (Chetumal, Mexico)