

Sukamol Srikwan Jakobsson

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II. Education

- 1991- 1998 *Ph.D.(Biology):* University of California, San Diego
Dissertation: “Genetic Erosion in small mammal populations following rain forest fragmentation in Thailand” [Professor D.S. Woodruff]
- 1987-1990 *B.Sc.Honors (Zoology):* Chulalongkorn University, Bangkok, Thailand
Honor Project: “*Monoclonal Antibodies for Malaria Parasite: Plasmodium falciparum*” [Professor Sodsri Thaitong and Associate Professor Vimon Panitchayagarn]

I. Professional Experience

- 2003 *Textbook Review and Fact Check:* Pearson Learning, Pearson Education, Inc., Parsippany, New Jersey
1. Bernstein, L., Schachter M., Winkler A., and Wolfe S. 2003. Concepts and Challenges. Life Science (fourth edition). Globe Fearon, Pearson Learning Group.
 2. The Pacemaker Curriculum Biology. 2003. Globe Fearon, Pearson Learning Group.
- 2000-2001 *Visiting Scholar:* Department of Biology, University of California, San Diego [Professor David S. Woodruff]
- Tree shrews population genetics and taxonomy
- 2000 *Adjunct Instructor:* Department of Biology, Mahidol University, Bangkok, Thailand.
- Summer 1999 *Visiting Scholar:* RSA Laboratories
- Forensic database and security
- 1998-2001 *Lecturer(Junior Faculty):* Department of Biology, Faculty of Science, Chulalongkorn University, Thailand.

1996-1998 *MacArthur Postdoctoral fellow*: Center for Environmental Research and Conservation, Columbia University [Professor D.J. Melnick]

- Microsatellite markers for the population studies of Leaf monkeys (*P. presbysis*)
- Non-invasive samples for genetic studies
- Supervise and guide a visiting researcher from Indonesia in her population genetics study of Orangutans.

III. Teaching Experience

1998- 2001 Chulalongkorn University, Bangkok, Thailand
Courses: [Undergraduate level:] Evolution , Man and Environment, Mammalogy, Population Ecology, Vertebrate zoology, General Biology Laboratory [Graduate level:] Molecular data analysis, Seminar I, II in Zoology

2000 Mahidol University, Bangkok, Thailand
Course: Evolution

1997 Columbia University, New York, USA.
The summer high school program in Conservation biology
Courses: Ecological Restoration, Habitat Fragmentation, Population Genetics.

1992-1997 University of California, San Diego. *Teaching Assistant*
Courses: Organism and Evolutionary Biology, Conservation and Human Predicament, Sociobiology, Population Genetics, Evolution.

IV. Research Interests

- Molecular Biology: molecular ecology and evolution
- Population genetics
- Conservation biology
- Bioinformatics: Forensic data and security
- Biodiversity informatics

- 1996 Plenary conference: The Ecological Society of America. Providence, RI.
Title: Genetic erosion detected by microsatellite analysis of small mammal populations following recent tropical forest fragmentation in Thailand.
- 1997 Plenary conference: The 2nd International Conference on Hornbills and Tropical Rainforest Conservation. Bangkok, Thailand.
Title: DNA sequence variation and hornbill conservation.
- 1998 Poster: The Society of Conservation Biology. Sydney, Australia.
Title: Monitoring genetic erosion in small mammal populations following tropical forest fragmentation.
- 1998 Plenary conference: 2nd Asia-Pacific Conference on Sustainable Agriculture, Phitsanulok, Thailand.
Title: Sustainable Agriculture, New Problem or Modern Solution for Biological Conservation of Fragmented Populations
- 2002 Poster: 23rd International Ornithological Congress. Beijing, China.
Title: Meakvichai W, A. Siripong , and S. Srikwan. The distribution and populations of the Green Peafowl in the Eng and Yom basins, Thailand.

Invited talk

- 1999 Invited speaker: The Environmental Leader Forum, Columbia University
Title: Molecular genetics and conservation biology: case study in Thailand.
- 1998 Workshop presentation: The Asian Science Seminar in Synthetic Studies on Biodiversity at Primate Research Institute, Kyoto University, Japan.
Title: Consequences of habitat fragmentation on tree shrew populations.
- 2000 Invited speaker: Evolution Ecology and Behavior group, Department of Biology, Princeton University.
Title: Genetic erosion in small populations following forest fragmentation.
- 2001 Invited panel speaker: The Thailand Biodiversity Research Training Conference. Pisanulok, Thailand.
Title: Research trend in Animal Biodiversity in Thailand.

VI. Honors and Awards

- 1987-1990 Thai Government: Development and Promotion of Science and Technology Talents Scholarship (DPST) to complete B. Sc. in zoology at Chulalongkorn Univeristy
- 1988-1989 IPST Grant for Research: Characterization of monoclonal antibodies of *Plasimodium falciparum*
- 1990-1996 Thai Government: DPST scholarship to pursue Ph.D. in molecular genetics and wildlife conservation at University of California, San Diego
- 1990-1997 Department of Biology, University of California, San Diego: graduate fellowship
- 1992 US Agency for International Development: Scholarship to attend an International Short Course on Animal Genetic Resources Conservation at University of California, Davis and Berkeley
- 1996 UC Biotechnology Research Institute: Award to attend a Molecular Genetics Approach in Conservation Symposium at San Francisco State University
- 1998 MacArthur Postdoctoral Fellowship, Columbia University
- 1999 Japan Society for the Promotion of Science: Scholarship to attend an Asian Science Seminar in Synthetic Studies on Biodiversity at Primate Research Institute, Kyoto University, Japan
- 1999-2000 Grant for Developmental of New Faculty Staff, Chulalongkorn University, Thailand
- 2000 Thailand Research Fund: TRF Advanced Research Scholar: Island Biogeogrphayical Analysis using land snail fauna at Koh Rin: Snails Park at Koh Rin [CO-PI, Principal Investigator: Dr. Somsak Panha]