

# JOHN H. KIM

Nicholas School of Environment and Earth Science, P.O. Box 90328  
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## EDUCATION

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Duke University	Graduate student in Program of Ecology	2005-
Princeton University:	<b>B.A.</b> in Ecology and Evolutionary Biology	2004
	<b>Certificate</b> in Environmental Studies	2004
	Cumulative GPA: 3.69	

## RESEARCH INTERESTS

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Quantifying ecosystem services for policy decisions that will promote sustainable use and interaction of environment by humans. Current research includes role of land-use and vegetation in regulating water yield and carbon sequestration.

## RESEARCH EXPERIENCE

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### **PhD Dissertation** with Dr. Rob Jackson, Duke University

Examining the effect of land-use and cover changes such as invasive species, farming, and grazing on carbon storage and water fluxes using tracers and remote sensing techniques

### **Fulbright fellowship** with Dr. Masashi Murakami, Hokkaido University:

Examining the prey subsidies between different-aged stands and different forest types resulting from forestry managements; implications for birds' foraging and spatial use of the forests.

### **Undergraduate Senior thesis** with Dr. Claire Kremen, Princeton University:

Studied nesting densities of native ground nesting bees in California sunflower fields with respect to landscape (agricultural intensity) and cultivation (tiling) variables.

## AWARDS / SCHOLARSHIPS

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<b>Year(s)</b>	<b>Name</b>	<b>Institution</b>
2007	<b>Biology Grant-In-Aid</b>	Duke University Biology Department
2007	<b>Grad. Award for Research in Global health</b>	Duke University Center for Int'l Studies
2006-2011	<b>NSF Graduate Research Fellowship</b>	US National Science Foundation
2006-2008	<b>EPA STAR</b>	US Environmental Protection Agency
2006	<b>Graduate Awards for International research</b>	Duke University Graduate school
2006	<b>Lazar Scholarship for Int'l Env. Leadership</b>	Nicholas School of the Environment
2005-2006	<b>Billings Fellowship</b>	Duke University Program of Ecology
2004-2005	<b>Fulbright Fellowship</b>	Institute of International Education
2004	<b>Departmental Highest Honors</b>	Princeton U. EEB department
2004	<b>Senior Book Prize</b>	Princeton U. EEB department
2004	<b>Award for poster presentation</b>	Princeton U. EEB department
2004	<b>Sigma Xi Honors</b>	Sigma Xi
2003	<b>Becky Colvin '95 Award for thesis research</b>	Princeton Environmental Institute

## PUBLICATIONS

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### *Forthcoming*

Kim, J. H., and Masashi Murakami. *In prep.* Gap use of forest bird community in planted and natural forest stands.

Kim, J. H., and C. Kremen, and N. Williams. 2006. **Journal of Kansas Entomological Society**. Effects of cultivation and proximity to natural habitat on native ground-nesting bees in California sunflower fields. **79**: 309-320.

## **PRESENTATIONS**

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### **Annual Meeting of Ecological Society of America, 2007**

- Woody shrub encroachment lowers groundwater recharge rates across a precipitation gradient

### **Annual Meeting of Ecological Society of America, 2006**

- Aggregation of consumer communities on fine-spatial scale following a typhoon disturbance

### **Annual Meeting of Ecological Society of America, 2004**

- Effects of cultivation and proximity to natural habitat on native ground-nesting bees in California sunflower fields, poster presentation

### **Senior Thesis Symposium, Princeton University, 2004**

- Effects of cultivation and proximity to natural habitat on native ground-nesting bees in California sunflower fields, selected oral presenter

## **WORK EXPERIENCE**

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### **Field Assistant**, Jeremy Lichstein of *Pacala Lab, Princeton University*, summer 2004

- Coring, height and DBH assessments, mapping and taking canopy pictures above saplings in NC and OR experimental forests.

### **Project/lab worker**, *Kremen Lab, Princeton University*, 2002-2004

- Soil classification using GIS for Rae Winfree, a postdoc at Kremen Lab

### **Field Assistant**, *Bee Biology Lab, UC Davis*, summer 2002

- Vegetation transects, collecting and identifying native bee specimens, bumble bee colony monitoring in Central Valley, California

### **Lab Assistant**, Lynn Martin of *Wikelski/Hau Lab, Princeton University*, Spring 2002

- Husbandary of captive sparrows and mistnetting wild specimens

### **Waiter**, *Ajihei Japanese Restaurant, Princeton, NJ*, 2001-2002

- Learned to make sushi.

### **Volunteer**, *Nelson's Organic Farm, Deerfield, MA*, fall 1998

- Helped two elderly farmers living without running water or electricity harvest their small lot.

## **PERSONAL INTERESTS**

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- *Fly-fishing!* Love it, perhaps too much
- *Dance*: performing modern dance
- *Jujitsu/wrestling*: contingent on finding a sparring partner
- *Writing* short stories/memoirs/essays
- *Gastronomy*: cooking, grocery shopping (preferably organic), bread, edible gardening
- *Endangered pheasants*: captive breeding of a CITES-listed species