

# Katherine E. Jumper

122 Cottage Street, Bar Harbor, Maine, 04609 [katherinejumper@gmail.com](mailto:katherinejumper@gmail.com) (207) 650-2043

## Education:

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|--|-------------|--------------------------------|
| <b>College of the Atlantic</b> (non-credited student)<br>Ecology and Biology of Fungi, Edible Botany, Fall 2011<br>Plants with Metal, Bryology, Spring 2012<br>Trees and Shrubs, Fall 2012 | 2011-2012   | Bar Harbor, ME                 |
| <b>University of Southern Maine</b><br>Chemistry I, Biology I, GPA 4.0   | Spring 2011 | Portland, ME                   |
| <b>Brandeis University</b> B.A. Social Anthropology,<br>Religious Studies Minor<br>GPA 3.68, Dean's List   | May 2005    | Waltham, MA                    |
| <b>University of Kwa-Zulu Natal</b><br>Semester study-abroad program   | Fall, 2004  | Pietermaritzberg, South Africa |

## Research:

### Manuscripts in Progress:

Jumper, K., Porter D., and Rajakaruna, N. Diversity and heavy metal content of macrofungi found on serpentine and granite outcrops on the Deer Isles, Maine, USA. (Target Journal: *Fungal Ecology*).

### Research Grants:

Garden Club of America: Engle Scholarship in Horticulture (2013) \$2500

Garden Club of America: Summer Scholarship in Field Botany (2012) \$2000

### Conference Presentations:

**Jumper, K.** 2012. Macrofungi on serpentine and granite soils of the Deer Isles, Maine. Powerpoint presentation of research design and preliminary findings. Student Research Symposium, College of the Atlantic, Bar Harbor, Maine, USA. October 16.

**Jumper, K.** Porter, D. and Rajakaruna, N. 2012. Diversity and Heavy Metal Content of Macrofungi found on Serpentine and Granite Outcrops on the Deer Isles, Maine, USA. Poster presented at the Conference of the Mycological Society of America, Yale University, New Haven, Connecticut, USA, July 15-19.

**Jumper, K.** Porter, D. Rajakaruna, N. and Stern, M. 2012. Biodiversity and Heavy Metal Uptake of Macrofungi found on Serpentine and Granite Outcrops on the Deer Isles, Maine, USA. Poster presented at the Northeast Natural History Conference, OnCenter Convention Center, Syracuse, New York, USA, April 15-19.

Porter, D., **Jumper, K.**, and Benzaquin, L. 2011. Mushrooms of the Acadia National Park Area. Poster presented at the first annual Science in Acadia Symposium, Schoodic Environmental Research Center, Winter Harbor, Maine, USA, October 26.

### **Research Assistance:**

Professor Nishanta Rajakaruna (College of the Atlantic) Guano tolerant plants  
Mount Desert Rock, Maine (August 17-18, 2012)  
-recorded percent cover data per plot on 22 plots  
-collected plant samples for identification

Margaret Stern, Professor Nishanta Rajakaruna (College of the Atlantic) Limestone plants  
Simonton Corner Quarry, Rockport, Maine (September 29, 2012)  
-collected bryophytes on a former limestone quarry

Professor Nishanta Rajakaruna (College of the Atlantic) Soil tolerance in *Achillea millefolium*  
College of the Atlantic, Bar Harbor, Maine (December, 2011- January , 2012)  
-cared for plants in grow chamber  
-measured leaf abundance and length

Professor Christine Maher (University of Southern Maine) Groundhog behavior and kinship  
Gilsland Farm Audubon Center, Falmouth, ME (May 20, 2011)  
-captured groundhogs and recorded data

### **Professional Memberships:**

**Mycological Society of America** student member

### **Other Work and Life Experience:**

**Downeast Nature Tours** (Tour Guide) 2012 Bar Harbor, ME

- Led tours of 12-30 people, presented local ecology and natural history

**Maine Conservation Corps** (Trail crew member) Summer 2011 Hallowell, ME

- Built and maintained trails on public lands in coastal Maine
- Learned about Maine history, ecology, and conservation

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|--|--------------|-------------------------|
| <b>Preble Street Resource Center</b> (Per Diem staff)  | 2010-2011    | Portland, ME            |
| <ul style="list-style-type: none"> <li>Assisted homeless clients at the adult day shelter</li> </ul>   |              |                         |
| <b>Appalachian Trail</b> (Thru-hiker)  | Summer 2009  | Georgia to Maine        |
| <b>Margaret Jeffrey, Esq.</b> (Legal Clerk, Asst.)   | 2008-2009    | Bar Harbor, ME          |
| <ul style="list-style-type: none"> <li>Compiled and organized Excel database of legal clients</li> <li>Prepared legal documents including title insurance, business tax forms</li> </ul>   |              |                         |
| <b>Haley House Organization</b> (Volunteer Coordinator)  | 2005-2007    | Boston, MA              |
| <ul style="list-style-type: none"> <li>Interviewed, selected and supervised 20 college students in a year-long credited internship program</li> <li>Designed and presented a safety training program and soup kitchen orientation for all volunteers</li> <li>Organized educational events for student groups on urban poverty and causes of homelessness</li> <li>Organized sidewalk sale fundraiser</li> <li>Facilitated weekly business meeting of soup kitchen staff</li> <li>Maintained a positive atmosphere and facilitated conflict resolution among soup kitchen clients</li> </ul> |              |                         |
| <b>Americans for Informed Democracy</b> (Campus Coordinator)   | 2004-2005    | Waltham, MA             |
| <ul style="list-style-type: none"> <li>Planned, organized and publicized two events on issues of American foreign policy that drew over 100 participants (Through Brandeis University)</li> <li>Moderated discussion during the following question and answer period</li> </ul>  |              |                         |
| <b>Brandeis Sociology Department</b> (Teachers Assistant)  | 2004         | Waltham, MA             |
| <ul style="list-style-type: none"> <li>Led weekly small-group discussion sessions</li> <li>Read and commented on student papers</li> </ul>   |              |                         |
| <b>Women's Studies Resource Center</b> (Research Assistant)  | 2002-2004    | Waltham, MA             |
| <ul style="list-style-type: none"> <li>Conducted online and library research for Women's Studies scholars</li> </ul>   |              |                         |
| <b>Tex Tech Industries</b> (Sales Intern)  | Summer, 2001 | Nakhon Pathom, Thailand |
| <ul style="list-style-type: none"> <li>Contacted manufacturing companies in Asia with information about Tex Tech products</li> </ul>   |              |                         |
| <b>American Field Service</b> (High School Exchange Student)   | 2000         | Trang, Thailand         |

- Lived for 10.5 months with a Thai family
- Attended Thai public High School

**Other Skills:** Conversational Thai, Basic French, MS Word, Excel, Powerpoint

## **References:**

### **Nishanta Rajakaruna**

Professor of Botany  
College of the Atlantic  
Bar Harbor, Maine 04609  
Office: 207-801-5731  
nrajakaruna@coa.edu

### **David Porter**

Professor Emeritus  
Department of Plant Biology  
University of Georgia  
porter@plantbio.uga.edu

### **Edward K. Kaplan**

Professor in the Humanities  
Brandeis University  
415 South Street  
Waltham, MA 02453  
Phone: 781-736-3214  
edkaplan@brandeis.edu