

**Radika Bhaskar**

Visiting Assistant Professor • Brown University • Radika\_Bhaskar@brown.edu

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**AREAS OF RESEARCH AND TEACHING INTERESTS**

Plant Ecophysiology – Plant Diversity – Global Change Ecology – Environmental Science

**EDUCATION**

- **Ph.D.**, September 2006, Department of Biological Sciences, **Stanford University**  
Doctoral Advisor: David Ackerly  
*“Plant Hydraulic Strategies of Evergreen Woody Plants in Mediterranean and Non-Mediterranean Environments: The Role of Atmospheric Versus Soil Drought”*
- **B.S.**, Environmental Engineering, June 1999, **Massachusetts Institute of Technology**

**PROFESSIONAL EXPERIENCE**

- Visiting Assistant Professor, August 2013 - ongoing  
Center for Environmental Studies, Brown University
- Voss Interdisciplinary Post-Doctoral Fellow, July 2011 – August 2013  
Brown University, Environmental Change Initiative
- NSF International Post-Doctoral Researcher, 2008-2011  
UC Berkeley & Universidad Nacional Autonoma de Mexico (UNAM), Morelia, Mexico
- UNAM Post-Doctoral Researcher, 2007-2008  
Universidad Nacional Autonoma de Mexico, Campus – Morelia, Mexico

**PUBLICATIONS**

**Bhaskar R**, T Dawson, & P Balvanera. 2013. Community assembly and functional diversity along succession post-management. *Functional Ecology* (in press).

Choat B, S Jansen, TJ Brodribb, H Cochard, S Delzon, **R Bhaskar**, S Bucci, TS Feild, SM Gleason, Jacobsen AL, Lens F, Maherali H, Martinez-Vilalta J, Mayr S, Mencuccini M, Mitchell PJ, Nardini A, Pittermann J, Pratt RB, Sperry JS, Westoby M, Wright IJ, Zanne A. 2012. Global convergence in the vulnerability of forests to drought. *Nature* 491: 752-755.

**Bhaskar R**, A Valiente-Banuet, & DD Ackerly. 2007. Evolution of hydraulic traits in closely related species pairs from mediterranean and non-mediterranean environments of North America. *New Phytologist* 176: 718-726.

Cornwell WK, **R Bhaskar**, L Sack, S Cordell, & CK Lunch. 2007. Adjustment of structure and function of Hawaiian *Metrosideros polymorpha* at high vs. low precipitation. *Functional Ecology* 21: 1063-1071.

**Bhaskar R** & DD Ackerly. 2006. Ecological relevance of minimum seasonal water potentials. *Physiologia Plantarum* **127**: 353-359.

Freedman A, J Cavender-Bares, PL Kebejian, **R Bhaskar**, H Scott, & F Bazzaz. 2002. Remote-sensing of solar-excited plant fluorescence as a measure of photosynthetic rate. *Photosynthetica* 40: 127-132.

### ARTICLES IN PREPARATION

Bhaskar, R., S. Porder, E. Edwards & P. Balvanera *Ecological and evolutionary variation in community nutrient strategies along tropical dry forest secondary succession*

Bhaskar, R., F. Mora, & P. Balvanera. *Shifts in demographic rates and functional trait in human-modified secondary forests*

### TEACHING AND MENTORING

- **Instructor: Introduction to Environmental Science**  
Duration: fall 2013 - ongoing
- **Undergraduate advisor:** Senior thesis advisor of a Brown University undergraduate student, co-advised with Professor Erika Edwards  
Duration: summer 2012 - ongoing
- **Guest Instructor:** The Evolution of Plant Diversity (Bio43, Instructor: Edwards). Brown University, Providence; Department of Ecology and Evolutionary Biology  
Date: September 27, 2012
- **Guest Instructor:** Plant Ecology (Bio 326). California Polytechnic State University, San Luis Obispo; Biological Sciences Department  
Date: January 25, 2006
- **Guest Instructor:** Plant Physiological Ecology (IB151). University of California, Berkeley; Department of Integrative Biology  
Date: April 21, 2005
- **Graduate Teaching Assistant:** Stanford University; Department of Biological Sciences Botany (Fall quarter 2002)  
Plant Ecology and Evolution (Spring quarter 2001)  
Introductory Biology (Fall quarter 2000)

## **GRANTS & FELLOWSHIPS (last 5 years)**

### ***Student Fellowships***

Voss Undergraduate Environmental Fellowship 2013-2014 [summer stipend + undergraduate senior thesis research funds \$5500]

Funded by: Brown University

Project Title: The legacy of isolated remnant trees: roles in tropical dry forest regeneration in abandoned, human modified landscapes

Awarded to: Arisa Lohmeier, co-advisors: **R. Bhaskar** & E. Edwards

Karen T. Romer Undergraduate Teaching and Research Award (UTRA) [\$3000 student stipend to enable summer research]

Duration: Summer 2012

Funded by: Brown University

Awarded to: Arisa Lohmeier, co-advisors: **R. Bhaskar** & E. Edwards

### ***Personal Awards***

CONACYT research grant (SEP-CONACyT 2010-129740)\*

Funded by: Consejo Nacional de Ciencia y Tecnología (National Council on Science and Technology, Mexico)

Duration: September 2011 – September 2015

\*Co-PI status, funds provided for research only, no salary support

Project: Biodiversity and Ecosystem Services in secondary tropical forests

Voss Interdisciplinary Post-doctoral Research Fellowship

Funded by: Brown University

Duration: July 2011 – July 2013

NSF IRFP Fellowship

Funded by: National Science Foundation

Duration: Nov 2008 – Apr 2011

UNAM post-doctoral fellowship

Funded by: UNAM/CTIC

Duration: March 2008 – Dec 2008

UC-Mexus Grant

Funded by: University of California Institute for Mexico and the United States

Duration: March 2007 – Feb 2008