

## CURRICULUM VITAE

NAOMI S. FRAGA

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### EDUCATION

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**In Progress** PhD Botany, Claremont Graduate University; Thesis: Conservation, Biogeography and Population Genetics of the *Mimulus palmeri* clade (Phrymaceae). Advisor: Dr. Elizabeth Friar

**May 2005** MS Botany, Claremont Graduate University; Thesis: A Vascular Flora of the Owens Peak Eastern Watershed. Advisor: Dr. J. Travis Columbus

**June 2002** BS Botany, California State Polytechnic University, Pomona

**June 2002** BS Biology, California State Polytechnic University, Pomona

### RELEVANT TRAINING

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Certified in Wilderness First Aid. February 2007-February 2009.

Agrostology. Rancho Santa Ana Botanic Garden. January-May 2006

Building Geodatabases I. ESRI. Redlands, California. February 2005.

Introduction of ArcGIS I. ESRI. Redlands, California. November 2004.

### PROFESSIONAL EXPERIENCE

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**2003-Present** Botanical Field Studies Coordinator, *Rancho Santa Ana Botanic Garden (RSABG)* - Serve as lead field botanist and provide programmatic leadership and management; responsible for preparation of contract and grant proposals, planning and conduction of fieldwork, report preparation, budget management, training and supervision of subordinate staff, dissemination of research through publishing of scientific papers and presentations at professional meetings, coordination and collaboration with complementary activities of other RSABG programs.

**2000-Present** Freelance Web Designer- Web design, development and maintenance of several small web sites. (i.e. Southern California Botanists, <http://socalbot.org>)

**2000-2003** Herbarium Curatorial Assistant, *RSABG* - Data entry, maintenance, and development of the RSA-POM specimen database, as well as day-to-day operations of the RSA-POM Herbarium.

### TEACHING EXPERIENCE

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*UCLA Extension*- Lecturer for the Certificate in gardening and horticulture program

General Botany for Gardeners (Fall 2005, 2006)

Introduction to Plant Identification and Taxonomy (Spring 2006)

*Huntington Botanic Garden*- Lecturer for the Naturalist Series

Collecting Ethics and Protocols (June 2007)

*Rancho Santa Ana Botanic Garden*- Instructor for Community Education Course

Introduction to Mojave Desert Wildflowers (March 2008)

### FIELD EXPERIENCE

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Baja California, Hawaiian Islands (Hawaii, Maui, Molokai), California (Physiographic Regions: Mojave Desert, Peninsular Ranges, Sonoran Desert, southern Sierra Nevada, Transverse Ranges)

Botanical Surveys and Rare Plant Monitoring for Angeles National Forest (ANF) and San Bernardino National Forest (SBNF).

Collection of seed for rare, threatened, and endangered species.

## **PUBLICATIONS**

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- Fraga N.S. 2008. The Vascular Flora of the Owens Peak Eastern Watershed, Kern Co. California. *Aliso*. 25: 1-26.
- Fraga N.S. 2006. A short flora of Short Canyon. *Crossosoma* 32: 1–30.
- Porter J.M. and Fraga N.S. 2005. A Quantitative analysis of pollen variation in two southern California perennial *Helianthus* (Heliantheae: Asteraceae). *Crossosoma* 31: 1–12.
- Fraga N.S., and Porter J.M. 2004. Noteworthy collection of *Saltugilia latimeri* T.L. Weese & L.A, Johnson (Polemoniaceae). *Madroño* 51: 313.
- Fraga N.S. 2004. The Vascular Flora of the Owens Peak Eastern Watershed: A Review of Progress. *Crossosoma* 29:41–43.

## **SELECTED TECHNICAL REPORTS/PUBLICATIONS**

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- Fraga, N.S. 2007. A Conservation Plan for *Mimulus shevockii* Heckard & Bacig. (Phrymaceae). Rancho Santa Ana Occasional Publications #7. 22 p.
- Fraga, N.S. and Nickerman J. 2007. Species management guide for *Astragalus lentiginosus* var. *antonius* (Fabaceae), San Antonio milkvetch, Angeles National Forest. (in review) 39 p.
- Fraga, N.S. 2005. 2004–2005 Surveys of threatened, endangered, forest sensitive and watchlist plants species (TESPW) in the areas burned by the Grand Prix and Old Fire of 2003. Prepared for Scott Eliason, San Bernardino National Forest, USDA Forest Service, Fawnskin, CA.
- Fraga, N.S. 2005. Monitoring program report and 2005 data for *Dudleya densiflora* on the Angeles National Forest. Prepared for Janet Nickerman, Angeles National Forest, USDA Forest Service, Arcadia, CA.
- Fraga, N.S. 2005. Surveys of historical occurrences of federally listed species on Joshua Tree National Park. Prepared for Tasha LaDoux, Joshua Tree National Park, National Park Service, Twentynine Palms, CA.

## **AWARDS AND GRANTS RECEIVED**

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- Torrey Botanical Society Student Fellowship Award (2008)
- CNPS Bristlecone Chapter, Mary DeDecker Botanical Grant Program (2003, 2008)
- California Native Plant Society Education Grant (2007)
- National Fish and Wildlife Foundation (2006)
- Andrew W. Mellon Foundation Award (2003, 2004)
- CNPS Helen Sharsmith Grant (2004)
- Southern California Botanists Graduate Student Award (2002, 2003)
- J. Paul Getty Multicultural Undergraduate Internship (2001)

## **PRESENTATIONS**

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### *Oral Presentations*

- Fraga N.S. 2007. Conservation of the Kelso Creek monkeyflower (Phrymaceae). Maturango Museum, Ridgecrest, California.
- Fraga N.S. 2006. The Vascular Flora of the Owens Peak Eastern Watershed. Maturango Museum, Ridgecrest, California.
- Fraga N.S. 2005. A Conservation Plant for *Mimulus shevockii* (Phrymaceae). California Botanical Society Graduate Student Meeting, Tiburon, California.
- Fraga N.S. 2005. The Vascular Flora of the Owens Peak Eastern Watershed. CNPS, San Bernardino/Mojave Chapter.
- Fraga N.S. 2004. The Vascular Flora of the Owens Peak Eastern Watershed. California Native Plant Society (CNPS), San Gabriel Mountains Chapter.
- Fraga, N.S. 2004. The Vascular Flora of the Owens Peak Eastern Watershed, Kern County, California Botany 2004 Meeting; Snowbird, Utah.

### Posters

- Soza, V.L., L. Gross, S. Boyd, N.S. Fraga. 2006. The Vascular Flora of the Verdugo Mountains and San Rafael Hills, Los Angeles County, California. Botany 2006 Meeting; Chico, California.
- Fraga N.S. 2005. A Species Management Guide for *Astragalus lentiginosus* var. *antonius* and *Linanthus concinnus*. Botany 2005 Meeting; Austin, Texas.
- Vanderplank S., S. Boyd, N.S. Fraga, B. Tutt. 2005. Rancho Santa Ana Botanic Garden Herbarium (RSA-POM) Specimen Database; a critical resource for the conservation of California. Botany 2005 Meeting; Austin, Texas
- Fraga, N.S. 2003. The Vascular Flora of The Owens Peak Eastern Watershed. Botany 2003 Meeting; Mobile, Alabama.

### INVITED SPEAKER

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- CNPS San Gabriel Mountains Chapter, Pasadena, California, 2004
- CNPS Riverside/San Bernardino/Mojave Chapter, Joshua Tree National Park, 2006
- Maturago Museum, Ridgecrest, California, 2006, 2007

### PROFESSIONAL SERVICE

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- CNPS Southwest Region Reviewer (2004–Present)
- Center for Plant Conservation, Conservation Officer; RSABG. (2006-Present).
- Southern California Botanists; Board Member (2002–Present), Webmaster (2001–present), Vice President (2004, 2007), President (2006).

### PROFESSIONAL ASSOCIATIONS

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- Botanical Society of America
- California Botanical Society
- California Native Plant Society
- Southern California Botanists
- Torrey Botanical Society