

**Sudan Alma Kariuki**  
1064 E Lowell St, Tucson, AZ 85721  
[sudankariuki@email.arizona.edu](mailto:sudankariuki@email.arizona.edu)

## **EDUCATION**

University of Arizona- Master of Science (Expected 2018) GPA: 3.8  
SNRE: Ecology, Management, and Restoration of Rangelands

Beloit College - Bachelor of Science (2016) GPA: 3.4  
Environmental Biology- Departmental Honors  
Thesis: Traditional Maasai pastoralism improves long-term rangeland ecology in Kenya

## **HONORS AND AWARDS**

E. Ray Cowden Scholarship: \$800 (2017-18)  
Tappan Student Award: \$379 (2017-18)  
Agriculture and Life Sciences Graduate Tuition Scholarship: \$31,124/year (2016-2018)  
Harry Wayne Springfield Student Endowment: \$15,500/year (2016-2018)  
Graduate Access Fellowship: \$4,000 (2016-2017)  
Ronald E. McNair Scholar (2014-2016)  
Eaton Scholarship: \$10,000/year (2012-2016)  
Charles Winter Wood Scholarship: \$10,000/year (2012-2016)  
General Motors Equal Opportunity Scholarship: \$1034/year (2014-2016)

## **RESEARCH INTERESTS**

Rangeland Ecology  
Plant-soil Interactions  
Restoration  
Natural Resource Management  
Conservation

## **RESEARCH EXPERIENCE**

August 2015-December 2016: Undergraduate Senior Thesis  
"Traditional Maasai pastoralism improves long-term rangeland ecology in Kenya"  
Published in *The Beloit Biologist* (2016)  
Beloit College. Beloit, WI

June 2015-July 2015: Beloit College Sustainability Fellows Program  
"Managing underrepresented identities in a field ecology internship"  
Nygren Wetland Preserve. Rockton, IL

June 2014-July 2014: Ronald E. McNair Scholars Independent Research Program  
"Exploring the effects of phosphorus runoff on aquatic plant growth"  
Beloit College. Beloit, WI

## **PRESENTATIONS**

“How does recreational camping affect cover mediated soil microbial activity?” October 2017.  
Research Insights in Semiarid Ecosystems Symposium. University of Arizona. Tucson, AZ.  
Mentor: Dr. Mitch McClaran, PhD.

“How does recreational camping affect cover mediated soil microbial activity?” September 2017.  
National Association of Black Geoscientists Meeting. Georgia State University, Atlanta, GA.  
Mentor: Dr. Mitch McClaran, PhD.

“How does recreational camping affect cover mediated soil microbial activity in a semi-arid rangeland?” June 2017.  
Soil Ecology Society Meeting Poster Session. Colorado State University, Fort Collins, CO.  
Mentor: Dr. Mitch McClaran, PhD.

“Managing reed canary grass at Nygren Wetland Preserve.” September 2015.  
Sustainability Fellows Poster Session. Beloit College, Beloit, WI.  
Mentor: Dr. Yaffa Grossman, PhD.

“How does Maasai pastoralism affect rangeland restoration in Kenya?” September 2015.  
Biology Capstone Poster Session. Beloit College, Beloit, WI.  
Mentor: Dr. Yaffa Grossman, PhD.

“Exploring the effects of phosphorus runoff on aquatic plant growth.” August 2014.  
National McNair Conference. University of California at Berkeley, Berkeley, CA.  
Mentor: Dr. Yaffa Grossman, PhD.

“Exploring the effects of phosphorus runoff on aquatic plant growth.” July 2014.  
Beloit College McNair Symposium. Beloit College, Beloit, WI.  
Mentor: Dr. Yaffa Grossman, PhD.

## **TEACHING INTERESTS**

Plant Ecology  
Scientific Writing  
Academic Writing  
Conservation Science

## **TEACHING EXPERIENCE**

August 2015-May 2016: Wisconsin Alliance for Minority Participation [in STEM] Mentor  
Beloit College. Beloit, WI

September 2013-December 2013: Upward Bound Senior Mentor  
Beloit College. Beloit, WI

August 2013- December 2013: Botany Teaching Assistant  
Beloit College. Beloit, WI

August 2013-December 2013: Writing Center Tutor  
Beloit College. Beloit, WI

### **WORK EXPERIENCE**

October 2017-present: Southwest Climate Science Center Communications Graduate Assistant  
University of Arizona. Tucson, AZ

June 2016-July 2016: Ronald E. McNair Graduate Summer Fellow  
Beloit College. Beloit, WI

August 2015-May 2016: Ronald E. McNair Student Office Assistant  
Beloit College. Beloit, WI

January 2014-December 2014: Residential Assistant  
Beloit College. Beloit, WI

June 2013-August 2013: Education Intern  
Urban Ecology Center. Milwaukee, WI

### **SERVICE**

February 2017: Hidden Figures Empowerment Luncheon Student Coordinator  
University of Arizona. Tucson, AZ

April 2014: Girls and Women in Science (GWIS) Conference Lab Coordinator  
Beloit College. Beloit, WI

February 2014-March 2014: "Girls Who Rock" Mentor and Volunteer  
Cunningham Elementary School. Beloit, WI

November 2013: Family Discovery Night Geology Volunteer  
Beloit College. Beloit, WI

August 2013-December 2013: Black Students United Campus Relations Coordinator  
Beloit College. Beloit, WI

### **ORGANIZATIONS**

Golden Key International Honor Society member (September 2017-present)

National Association of Black Geoscientists member (July 2017-present)

Soil Ecology Society member (June 2017-present)

American Association for the Advancement of Science member (January 2017-present)

Ecological Society of America member (August 2015-present)

## **REFERENCES**

Mitch McClaran, PhD  
Professor of Range Management  
Director for Research at the Santa Rita Experimental Range  
University of Arizona  
(520)-621-1673  
[mcclaran@email.arizona.edu](mailto:mcclaran@email.arizona.edu)

Rachel Gallery, PhD  
Assistant Professor of Microbial Ecology  
University of Arizona  
(520)-626-4685  
[rgallery@email.arizona.edu](mailto:rgallery@email.arizona.edu)

Yaffa Grossman, PhD  
Professor of Biology  
Associate Dean and Director of the Liberal Arts in Practice Center  
Beloit College  
(608)-363-2219  
[grossman@beloit.edu](mailto:grossman@beloit.edu)