

DR. ROBIN MALIK

drmalik@ucdavis.edu | linkedin.com/in/dr-robin-malik/ | 701-936-9664

EDUCATION

North Dakota State University, Fargo, ND 2019-2023

Ph.D Range Science GPA: 4.0/4.0

Thesis: Grazing of Secondary Compound-Rich Plants by Ruminants and its Impact on Meat Quality

Advising committee: Dr. Scott Kronberg, Dr. John Hendrickson, Dr. Kevin Sedivec, Dr. Kasey Maddock-Carlin, Dr. Edward DeKeyser

Murdoch University, Perth, Australia 2017

B.Sc Animal Science (Honours) Grade: Distinction

Thesis: The Effect of Breed on Feed Intake and Feed Efficiency in Merino and Maternal Type Ewes

Advisor: (late) Sarah Blumer, Dr. Andrew Thompson

Murdoch University, Perth, Australia 2014-2016

B.Sc Animal Science Grade: Credit

WORK EXPERIENCE

University of California, Davis Davis, CA

Postdoctoral Fellow 2023-Present

- Current research explores the use of feed additives, particularly synthetic alternatives of asparagopsis, to reduce methane emissions of ruminants.

USDA Northern Great Plains Research Lab Mandan, ND

Ph.D Candidate and research associate 2021-2023

- Designed and conducted novel scientific experiments
- Performed statistical analysis of data using R
- Wrote comprehensive summaries of experimental outcomes in the form of scientific papers and doctoral thesis
- Biomass sampled to determine forage intake of ruminants
- Performed soil profiling sampling using hydraulic soil coring and drilling machine
- Assisted technical staff with calving and kidding, as well as caring for orphaned or rejected kids and calves
- Assisted with seeding and spraying (fertiliser, herbicide etc)

Department of Primary Industries and Regional Development

Technical Officer 2012-2019

- Performed disease – scoring leaf diseases (leaf area infection) for rust and septoria in oats.
- Performed grain frost damage assessment – determining frost induced sterility (FIS) by counting sterile, frosted and potent grains
- Processed grains to determine yield using hectolitre weights and grain size

AWARDS & ACHIEVEMENTS

Frank Bain Scholarship North Dakota State University	<i>2021</i>
Best Presentation Award - Young Professionals in Agriculture Forum Department of Primary Industries and Regional Development	<i>2018</i>
Second Prize Award - Young Professionals in Agriculture Forum Department of Primary Industries and Regional Development	<i>2018</i>
New Colombo Plan Mobility Grant Government of Australia	<i>2018</i>

PRESENTATIONS & CONFERENCES

Annual Meeting - Attended and Presented Society for Range Management	Boise, ID <i>February 2023</i>
NDSU Extension/Rec Fall Conference - Attended and Presented North Dakota State University	Fargo, ND <i>November 2022</i>
Graduate Research Day - Attended and Presented North Dakota State University	Fargo, ND <i>April 2022</i>
Annual Meeting - Attended and Presented Society for Range Management	Albuquerque, NM <i>February 2022</i>
Crop Update Grains Research and Development Corporation	Perth, Australia <i>February 2019</i>
Guest Speaker Animal Science Faculty, Beijing University of Agriculture	Beijing, China <i>July 2017</i>

PUBLICATIONS

Evaluating Fecal DNA Metabarcoding to Estimate the Dietary Botanical Composition of Goats Journal of Rangeland Ecology and Management <i>Click here to read</i>	<i>May 2024</i>
--	-----------------