

MUSTAFA BOZKUS

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EDUCATION

PRESENT

PH.D., TEXAS A&M UNIVERSITY, USA

Dept. of Entomology

2023

M.SC., OREGON STATE UNIVERSITY, USA

Dept. of Horticulture/Entomology

2016

B.S., AKDENIZ UNIVERSITY, TURKEY

Dept. of Animal Science

EXPERIENCE

SUMMER 2018

LOCAL BEEKEEPERS, SIVAS AND KAYSERI, TURKEY

Volunteer

- One-on-one meetings & apiary visits
- Colony maintenance & honey harvest

2017 – 2018

CATTLE BREEDING FARM, BAKANLAR, KAYSERI, TURKEY

Farm Manager

- Managing daily farm operations
- Developing daily rations
- Animal welfare inspection
- Assessing the suitability of barns and paddocks

SUMMER 2015

DAIRY FARM, LEBEN AGRICULTURE

Summer Intern

- Maintaining & learning daily operations
- Developing & learning daily rations
- Keeping track of the pedigree of animals

LAB/FIELD SKILLS & SOFTWARE

- Pollen analysis using the acetolysis method
- Queen Artificial Insemination and Grafting
- General honey bee hive & apiary management & practices
- Microsoft Office & JMP 16
- R statistical software intermediate level
- Pollen Nutrient analysis
- PCR (Still on progress)

PRESENTATIONS/POSTERS

Presenting “Exploring the effects of nutrient content in pollen collected by honey bees (*Apis mellifera*) from different landscapes on colony growth” ESA (Entomological Society of America) national meeting in Phoenix, AZ. **November 11th, 2024 (Oral Presentation)**

Presenting “Exploring the effects of nutrient content in pollen collected by honey bees (*Apis mellifera*) from different landscapes on colony growth” on the 27TH Annual Graduate Student Forum Department of Entomology, Texas A&M University. **August 16th, 2024 (Oral Presentation)**

Presenting “Evaluating the efficacy and safety of oxalic acid vaporization method to control a honey bee pest Varroa destructor” on the Student Research Week at Texas A&M University. **March 20th, 2024 (Oral Presentation)**

Bozkus, M., Lucas, H., Breece, C., Topitzhofer, E., Sagili, R., Evaluating the efficacy and safety of oxalic acid vaporization method to control a honey bee pest Varroa destructor, **ESA Pacific Branch Meeting, April 2nd-5th, 2023 (Oral Presentation).**

Bozkus, M., Lucas, H., Breece, C., Topitzhofer, E., Sagili, R., Evaluating the efficacy and safety of oxalic acid vaporization method to control a honey bee pest Varroa destructor, **82nd Annual Pacific Northwest Management Conference, January 9-10th, 2023 (Oral Presentation).**

Presented information and findings on oxalic acid vaporization application for controlling Varroa destructor and European Foul Brood diseases in honey bees to beekeepers in Linn Benton County, Oregon. **Linn-Benton Beekeepers Association Monthly Meeting, November 16th, 2022 (Oral Presentation)**

Bozkus, M., Lucas, H., Breece, C., Topitzhofer, E., Sagili, R., Evaluating the efficacy and safety of oxalic acid vaporization method to control a honey bee pest Varroa destructor, **Oregon State Beekeeper Association Annual Meeting, October 30th, 2022 (Oral Presentation).**

EDUCATION/WORKSHOP/CERTIFICATE

Cryopreservation and Honey Bee Drone Semen Storage Workshop

Conducted at Washington State University Honey Bee Lab, under the guidance of Dr. Brandon Hopkins.

Department of Entomology, Washington State University, Pullman, WA.

Artificial Insemination of Honey Bee Queens Workshop (Certified)

Conducted under the instruction of Dr. Susan Cobey

Honey Bee Insemination Service (HBIS). Coupeville WA 98239 USA.

AWARDS

1st place Bozkus, M., Lucas, H., Breece, C., Topitzhofer, E., Sagili, R., Evaluating the efficacy and safety of oxalic acid vaporization method to control a honey bee pest Varroa destructor, **82nd Annual Pacific Northwest Insect Management Conference, January 9-10th, 2023 (Oral Presentation).**

EXTENSION/OUTREACH

Participated as a team member in the 7th Art of Queen Rearing Workshop hosted by Texas A&M Honey Bee Lab, featuring prominent experts such as Sue Cobey, Melanie Kirby, and Megan Mahoney, held at the Janice and John G Thomas Honey Bee Facility in Bryan, TX on May 24-25, focusing on advanced techniques in queen rearing and instrumental insemination. May 24th -25th, 2024.

Attend the classes in High Point Elementary in Plantersville and talk about bees, bugs, and others with the Pre-K students May 3rd, 2024, from 1PM – 2:30PM.

Attend the STEAM night event at Forest Ridge Elementary School May 2nd, 2024, from 6PM – 8PM (1950 Green's Prairie Road West in College Station). (Sharing insect collection and talking about bugs, bees and wasps with the elementary school students and their families).

Central Texas Beekeeper Association 14th Annual Beekeeping School March 2nd, 2024, Brenham/Texas (Sharing brochure to the beekeepers to invite them to collaboration for nutrition study and explain Texas A&M University Honey Bee Lab projects)

Department of Horticulture at Oregon State University Fall 2023 Seminar Series, November 14th, 2023 (Presenting oxalic acid vaporization study and its current outlines)

Linn Benton Beekeepers Association Monthly Meeting, October 18th, 2023 (Presenting oxalic acid vaporization study and current vaporization equipment)

Oregon Master Beekeeper Program Extension & Field Day, June 24th, 2023 (Demonstrating honey bee hives to beekeepers and discussing the recent research topics)

Oak Creek Center for Urban Horticulture Open House & Tour, July 13th, 2023 (Demonstrating honey bee life cycle and hives to the public)

Grace Center June 1st, 2023, Division St., Corvallis/ OR (Demonstrating honey bee life cycle and observation hives to Grace Center resident)

Dam Proud Day, April 26th, 2023, Pioneer Square, Portland, OR. (Demonstrating honey bee life cycle and observation hives to citizens around Portland)

Bessie Coleman Elementary School March 10th, 2023 (Demonstrating honey bee life cycle and hives to the elementary school students)

Franklin School Science Night, January 19th, 2023 (Demonstrating honey bee life cycle and hives to the elementary school students)

Oak Creek Center for Urban Horticulture Open House & Tour, July 22nd, 2022 (Demonstrating honey bee hives to the public and bee beard day)

Honey Bee Lab Open House & Extension Day, June 24th, 2022 (Sharing current research activities and honey bee lab apiary visit)

Oregon Master Beekeeper Program Extension & Field Day, June 18th, 2022 (Demonstrating honey bee hives to beekeepers and discussing the recent research topics)

Honey bee biology and beekeeping course (ENT 322) apiary tour May 20th & June 3rd, 2022 (Demonstrating the bee beard day)

Department of Horticulture at Oregon State University Spring 2021 Seminar Series, May 3rd (Presenting history, life cycle and possible treatment options of the devastating honey bee parasite "*Varroa destructor*").

REFERENCES

Dr. Juliana Rangel, Professor, Department of Entomology, Texas A&M University,
(Juliana.RangelPosada@ag.tamu.edu)

Dr. Spencer Behmer, Professor, Department of Entomology, Texas A&M University,
(Spencer.Behmer@ag.tamu.edu)

Dr. Kannan Mani, Postdoctoral, Department of Entomology, Texas A&M University,
(kannan.mani@ag.tamu.edu)

Dr. Ramesh Sagili, Professor, Department of Horticulture, Oregon State University,
(ramesh.sagili@oregonstate.edu)

Hannah Lucas, Honey Bee Lab Manager, Department of Horticulture, Oregon State University,
(lucash@oregonstate.edu)

Caroyln Breece, Honey Bee Lab Field Manager, Department of Horticulture, Oregon State University,
(breecec@oregonstate.edu)

Dr. Serhan Mermer, Assistant Professor, Department of Environmental and Molecular Toxicology,
Oregon State University, (mermers@oregonstate.edu)