

Awad Mohamed Awad Hassan

awad.univ@gmail.com

amawad@ksu.edu.sa

awad.hassan@agr.svu.edu.eg

Cell phone: +2-01028227335 +966-560467433

Nationality: Egyptian

Date of birth: 06/06/1981



Address

Present address	Permanent address
Department of Plant Protection, P.O. Box 2460 College of Food and Agriculture Sciences King Saud University Riyadh, 11451 Saudi Arabia	Department of Plant Protection Faculty of Agriculture South Valley University Qena, 83523 Egypt

Education

2016 **PhD (Entomology)**, Department of Plant Protection, College of Food and Agriculture Sciences, King Saud University, Saudi Arabia
Supervisor: Prof. Abdulaziz S. Alqarni

2009	MSc (Economic Entomology) , Department of Plant Protection, Faculty of Agriculture, Assiut University, Egypt Supervisor: Prof. Mostafa H. Hussein
2002	BSc (Agricultural Sciences) , Faculty of Agriculture, South Valley University, Egypt

Job history

- Lecturer, South Valley University, Egypt, 2016- Present.
- Researcher, King Saud University, Saudi Arabia, 2010- Present.
- Assistant Lecturer, South Valley University, Egypt, 2009-2010.
- Teaching assistant, South Valley University, Egypt, 2003-2009.

Scientific interests

Agriculture; entomology; ecology; apiculture; pollination ecology; geographic information systems (GIS); remote sensing

Current research objectives

- To employ remote sensing and geographic information systems (GIS) in mapping and analysing of bee forage, and to develop spatial thinking in the apicultural contexts.

- To evaluate bee plants of Arabian Peninsula through their nectar secretion dynamics, pollen presentation, and attractiveness for honeybees.
- To figure out the pollination ecology and pollinators diversity of hot-dry environments.

Technical skills

Field investigations in prairies and forests; SPSS; remote sensing (satellite and aerial imagery processing); GIS (ArcGIS)

Publications

Adgaba N, Awad MA, Al-Ghamdi A, Alqarni AS, Radloff SE (2012) Nectar of *Ziziphus spina-christi* (L.) Willd (Rhamnaceae): Dynamics of secretion and potential for honey production. *Journal of Apicultural Sciences* 56 (2): 5-15.

Alqarni AS, Awad MA, Owayss AA (2015) Evaluation of *Acacia gerrardii* Benth. (Fabaceae: Mimosoideae) as a honey plant under extremely hot-dry conditions: Flowering phenology, nectar yield and honey potentiality. *Journal of Animal and Plant Sciences*. 25 (6): 1667-1674.

Alqarni AS, Awad MA, Raweh HSA, Owayss AA (2016) Pollination ecology of *Acacia gerrardii* Benth. (Fabaceae: Mimosoideae) under extremely hot-

dry conditions. *Saudi Journal of Biological Sciences*. Doi:
[10.1016/j.sjbs.2015.09.019](https://doi.org/10.1016/j.sjbs.2015.09.019)

Nuru Adgaba, Ahmed Al-Ghamdi, Yilma Tadesse, Awraris Getachew, Awad M. Awad, Mohammad J. Ansari, Ayman A. Owayss, Abdulaziz S. Alqarni (2016) Nectar secretion dynamics and honey production potentials of major honey plants in Saudi Arabia. *Saudi Journal of Biological Sciences*. Doi:[10.1016/j.sjbs.2016.05.002](https://doi.org/10.1016/j.sjbs.2016.05.002)

Awad MA, Owayss AA, Alqarni AS (2016) Performance of honey bees under extremely hot-dry conditions and rich nectar flow of *Acacia gerrardii*. *Scientia Agricola*. In press

Ali H, Alqarni AS, Owayss AA, Awad AM, Smith BH (2016) Osmolarity in three races of honey bees, *Apis mellifera* under arid zone environmental conditions. *Saudi Journal of Biological Sciences*. Under revision

Awad MA, Owayss AA, Alqarni AS (2016) Evaluation of native and exotic honey bee (*Apis mellifera* L.) subspecies under extremely hot-dry conditions: Foraging and pollen gathering during *Acacia gerrardii* flow. In submission

Awad MA, et al. (2016) A GIS approach for determination of the optimum beekeeping spatiotemporal plan and productivity during Talh (*Acacia gerrardii* Benth.) flow. In Preparation

PhD Dissertation: “Ecological studies on honeybee *Apis mellifera* L. activities on Talh trees *Acacia gerrardii* (Benth.) and use of geographic information systems and remote sensing technology to assess foraging capacity for honey production”

MSc Thesis: “Pests, parasites and diseases of honeybee colonies in Sohag and Qena governorates”

Selected Presentations

- **13th Asian Apicultural Association Conference, 24-26/April/2016, Jeddah, Saudi Arabia.**

Ecological interactions between honey bees (*Apis mellifera*) and Acacia trees (*Acacia gerrardii*) under the extreme hot-dry weather conditions

- **44th APIMONDIA International Apicultural Congress, 15-20/September/2015, Daejeon, South Korea.**

A GIS approach for determination of the optimum beekeeping density and productivity during Talh (*Acacia gerrardii* Benth.) flow

- **11th Arab Congress of Plant Protection, 9-13/November/2014, Amman, Jordan.**

Foraging and pollen gathering activities of honeybee (*Apis mellifera*) colonies during Talh (*Acacia gerrardii*) flow

- **12th Asian Apicultural Association Conference, 24-27/April/2014, Antalya, Turkey.**

Flowering phenology, nectar yield and honey potentialities of Talh trees, *Acacia gerrardii* Benth. (Fabaceae: Mimosoideae)

Selected Training

Managing research teams & International publishing of scientific research & Legal and financial aspects in university environment & Decision making and problem solving & Exams, and students evaluation systems & University code of ethics, 9-15/May/2016, Faculty and Leadership Development Center, Cairo University, Egypt

ArcGIS 1: Introduction to GIS & ArcGIS 2: Essential Workflows, 9-13/March/2015, ESRI, Virginia, USA.

Medical and Therapeutic uses of Bee Products, accredited by the Saudi Commission for Health Specialties with 15 credit hours (No. 18975/2011, Date: 2011 -04 -23), College of Medicine, King Saud University, Saudi Arabia.

References

<p>Prof. Abdulaziz S. Alqarni alqarni@ksu.edu.sa azizqarni@hotmail.com</p>	<p>B.O. Box 2460 Department of Plant Protection College of Food and Agriculture Sciences King Saud University Riyadh, 11451 Saudi Arabia</p>
<p>Dr. Nuru Adgaba nuruadgaba@gmail.com</p>	<p>Department of Plant Protection Faculty of Agriculture South Valley University Qena, 83523 Egypt</p>
<p>Prof. Karem M. Mohanny karem.svu@gmail.com</p>	<p>Dr. Mohamed Shebl Abd Elfattah mohamedshebl2002@hotmail.com</p>
	<p>Department of Plant Protection Faculty of Agriculture Suez Canal University Ismailia, 41522 Egypt</p>