



Prof Mona Al-Dosari

CONTACT INFORMATION

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DOB: 10-June-1975

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Riyadh, Saudi Arabia

LinkedIn

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Researchgate

<https://www.researchgate.net/profile/Mona-Aldawsari-2>

2 Identified Patent

10 Deferent Memberships

23 Published Research

7 International Medals

Many International Prizes

LANGUAGES

Arabic: Native

English: Full professional proficiency

References

Reference can be provided upon request



POSITIONS

Prince Sattam bin Abdulaziz University, College Of Science And Humanities, Saudi Arabia, Riyadh 1997-Persent

● Professor of entomology	2016-Present
● Associate Professor of entomology	2012-2016
● Advisor, Prince Sattam Bin Abdel Aziz University	2015-2016
● Vice Dean Of The College Of Applied Medical Sciences	2012-2015
● Assistant Professor In Biology Department, College Of Science And Humanities	2008-2012
● Vice Dean Of The College Of Sciences And Humanities	2010-2012
● Dean Of The College Of Education	2010-2010
● Head of Biology Department	2009-2009
● Lecturer In Biology Department	2004-2008
● Reader In Biology Department	1997-2004

The Shura Council, Saudi Arabia, Riyadh 2013-2017

● Member Of Ashura Council, Sixth Session, According To Royal Decree	2013-2017
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TOP COURSES

- ✓ Bio 3220, 2017- 2021.
- ✓ Bio 4890, 2016- 2021.
- ✓ Entomology (2), Biology Department (Zoo, 3133), 2008-2009- 2010.
- ✓ Classification Animal, Biology Department, (Zoo, 1111), 2008-2009- 2012.
- ✓ Invertebrate, Biology Department, 2008.
- ✓ Entomology (1), Biology Department ,(Zoo, 2232), 2008, 2009, 2010.
- ✓ Zoology, Physics Department, (Zoo, 1101), 2008.
- ✓ Microtechnic, Biology Department 2008.
- ✓ Environmental system, Biology Department, 2008.



MEMBERSHIPS

Member of authoring and translation committee, Prince Sattam bin Abdel Aziz	2021-Present
Member of teaching assistant and lecture, Prince Sattam bin Abdel Aziz University	2018-2021
Member of the water, agriculture and environment committee, A Shura council	2017-2017
Member of the culture, media , tourism and antiquities, A Shura council	2016-2016
Member of the health and environment committee, A Shura council	2015-2015
Member of the permanent committee for scientific research and publishing, Prince Sattam bin Abdel Aziz University	2013-2013
Chairwomen of the students disciplinary committee, Prince Sattam bin Abdel Aziz University	2012-2012
Member of the permanent committee	2011-2011



Projects and Activities

President Investigator of Project entitled" The role of an Olfactometer in testing the olfactory response of the red palm weevil to some terpenes	2020
An External examiner to discuss the master theses for the student " Siham Eidah Al – Thaqafi“	2018
President Investigator of Project entitled " Suppression of Immunity and Development in the Red Palm Weevil, Rhynchophorus ferrugineus (Olivier): a New Approach for its Management".	2010-2012
Supported from Salman bin Abdel Aziz University.	
Reviewer some of scientific journal	
Reporter for a number of scientific sessions at the Saudi Society for life Sciences meetings	
A visit to the National Insects Museum at Cardiff University, United kingdom, for the summer, 2019.	



MEMBERSHIPS OF SCIENTIFIC COMMITTEES

Committee of Saudi Biological Society	2011-present
Committee of Entomological Society of America	2017-2018



RESEARCH INTERESTS

- Sense organs of insects
- Isolating compound and pharmacological applied
- Physiological studies
- Plant extracts and applied for insects control
- Red palm weevil, rearing, biological, olfactory response, sense organs, physiology, etc



EDUCATION

- ✓ Ph. Degree of Science, Princess Nora Bent Abdurrahman University, College of Science. 2004-2007
Minor Arthropods and Parasites (Entomology). Thesis titled " Sensory receptors and behaviour of the red palm weevil *Rhynchophorus ferrugineus*(Oliv.) (Coleoptera: Curculionidae) with reference to attractants, repellents and control.
- ✓ Master of Science, Princess Nora Bent Abdurrahman University, College of Science. 1999-2003
Minor Arthropods and Parasites (Entomology)., Thesis titled " Evaluation of the efficiency of mesquite *Prosopis juliflora* for control the cowpea beetle *Callosobruchus maculatus* (Fab.).
- ✓ Bachelor Degree of Zoology, Princess Nora Bent Abdurrahman university, College of Science. 1994-1997



ACHIEVEMENTS

- ✓ Patent of King Abdul Aziz City of Science & Technology, of invention entitled "Novel compound of (1Z)-2-(hydroxymethyl)dodec-1-ene-1,3-diol and use, Saudi Arabia, Riyadh 2013
- ✓ Certificate of Industrial property in General directorate Industrial property "Aviaries", KACST, Saudi Arabia, Riyadh 2010
- ✓ Patent of King Abdul Aziz City of Science & Technology, of Invention entitled " Olfactometer", Saudi Arabia, Riyadh 2008
- ✓ Scholarship of King Abdul Aziz City of Science & Technology Support Researches of Ph. Degree and Master, Saudi Arabia, Riyadh 2002-2006
- ✓ Prize of Jazan for excellence and creativity, Saudi Arabi, Jazan 2020
- ✓ Prize of The best research palm tree branch. Iraq network, Jordan 2014
- ✓ Prize of Saudi Journal in Biological Society, Saudi Arabia, Riyadh 2014
- ✓ Prize of rector Salman bin Abdulaziz university, to record the best indicator of performance in the field of patent, Saudi Arabia, Riyadh 2011
- ✓ Prize of the research scholarship program, KACST, Saudi Arabia, Riyadh 2009
- ✓ Prize of scientific creation, Al-Marai, Saudi Arabia, Riyadh 2007
- ✓ salver and bronze medal of Istanbul international inventions, Turkey, Istanbul 2018
- ✓ Golden and selver medal of Istanbul international inventions, Turkey, Istanbul 2017
- ✓ salver medals Geneva national inventions, Switzerland, Geneva 2016
- ✓ Golden medal of Participation for Ibticar Exhibition, Saudi Arabia, Riyadh 2013
- ✓ Golden medal of Participation Ibticar Exhibition, Saudi Arabia, Jeddah 2010



CONFERENCES

- ✓ Participate of the Saudi Biological Society, Saudi Arabia, Al Baha 2020
- ✓ Exhibiting invention, Turkey, Istanbul 2018
- ✓ Exhibiting invention, Turkey, Istanbul 2017
- ✓ Exhibiting invention, Switzerland, Geneva 2016
- ✓ Canadian society of entomology, Canada, 2018
- ✓ The 30th meeting of the Saudi Biological Society, Saudi Arabia, Tabuk 2015
- ✓ The 11th Arab congress, Jordan, Jordan 2014
- ✓ The 28th meeting of the Saudi Biological Society, Saudi Arabia, Dammam 2014
- ✓ The 6th International conference entitled: Drug discovery and therapy, United Arab Emirates, Dubai 2014
- ✓ The 60 Annual Meeting of the Entomological Society of America, Tennessee, Knoxville 2012
- ✓ The 27th meeting of the Saudi Biological Society, Saudi Arabia, Jazan 2012
- ✓ The 59th Annual Meeting of the Entomological Society of America, United States, Nevada 2011
- ✓ Menia International Conference for Agriculture and Irrigation in the Nile Basin Countries, Egypt, Menia 2011
- ✓ The 26th meeting of the Saudi Biological Society titled : Climate change and Biodiversity, Saudi Arabia, Taif 2011
- ✓ The 25th meeting of the Saudi Biological Society , Saudi Arabia, Alehsa 2010
- ✓ The 24th meeting of the Saudi Biological Society titled Biotechnology Reality and Applications in Cooperation, Saudi Arabia, Medinah 2009
- ✓ The Fourth International of Environment & Development, Saudi Arabia, Riyadh 2008
- ✓ The Fourth Symposium on Date Palm (Challenges of Processing, Marketing, and Pests Control), Saudi Arabia, Al Ahsa 2008



NOMINATIONS

- ✓ Nominated for Exhibition Marketing and International inventions, Geneva 2008
- ✓ Nominated for Exhibition of Korean Inventions 2012



WORKSHOPS

- ✓ Basic of DNA, RNA and Protein bioinformatics, Cairo University, Egypt, Cairo 2021
- ✓ Electronic examinations, Prince Sattam bin AbdulAziz university, Saudi Arabia, Riyadh 2020
- ✓ Preparation for Scientific posters, King Saud University, Saudi Arabia, Riyadh 2011
- ✓ Preparation & Documentation of Meetings, King Saud University, Saudi Arabia, Riyadh 2009
- ✓ Preparing data using SPSS, King Saud University, Saudi Arabia, Riyadh 2009
- ✓ Parametric and Non- Parametric tests using SPSS, King Saud University, Saudi Arabia, Riyadh 2009
- ✓ Riyadh Technology Incubation Valley (RTIV), King Saud University, Saudi Arabia, Riyadh 2009
- ✓ Development of Academic Program and Accreditation, King Saud University, Saudi Arabia, Riyadh 2009
- ✓ Course File and Evaluation, King Saud University, Saudi Arabia, Riyadh 2009
- ✓ Training on PCR, King Saud University, Saudi Arabia, Riyadh 2009
- ✓ The Red Palm Weevil: New Technical, KACST, Saudi Arabia, Riyadh 2008



LIST OF PUBLICATION

- Al-Dawsary, M. M. 2020. Insecticidal potential of cardamom and clove extracts on adult red palm weevil *Rhynchophorus ferrugineus*, Saudi Journal of Biological Sciences. 27: 195- 201.
- Al-Dawsary, M. M. 2017. Sensory system in the wings red palm weevil *Rhynchophorus ferrugineus*. Int. J. Adv. Res. Biol. Sci. (2017). 4(2): 72-79.
- Sharaby, A. M. and Al Dosary, M. M. 2016. Toxic and Biochemical Effects of Juniperus communis Essential Oil on the Red Palm Weevil *Rhynchophorus ferrugineus* (Olivier.) (Coleoptera: Curculionidae). Ejeptian journal of pest control. 26(2): 339- 344.
- Al-Dawsary, M. M and Kamal, E. H. El Tahir. 2014. Further pharmacological studies Using the compound (1z) – 2 – (hydroxymethyl) dodec – 1 – ene – 1 , 3 – diol. Journal of Pharmacy and Pharmacology 2 (2014) 695-702.
- Al-Dawsary, M. M. 2014. Functional compounds from the integument of adult red palm weevil *Rhynchophorus ferrugineus*. Saudi Journal of Biological Sciences. 21, 275–279.
- Sharaby, A. M. and Al Dosary, M. M. 2014. An Electric Air Flow Olfactometer and the Olfactory Response of *Rhynchophorus ferrugineus* Weevil to some volatile compounds. Journal Agriculture and Ecology Research International. 1(1): 40-50.
- Al-Dawsary, M. M. Eman B. Moursy, Abdullah M. AlBakairi. 2013. Histological Characterization and Embryonic Development In the fertilizing eggs of the Red Palm Weevil, *Rhynchophorus ferrugineus* (Olivier). Nature and Science;11(12): 90- 98.
- Al-Dawsary, M. M., Kamal, E. H. El Tahir. 2013. (1Z)-2-(hydroxymethyl)dodec-1-ene-1,3-diol isolated from integument of the red palm weevil *Rhynchophorus ferrugineus* for treatment of calcium- induced Dysrhythmia. Wulfenia journal, 20(10): 357- 367.
- Al- Dosary, M. M. 2013. Quantitative Changes in Protein and Cholesterol in Haemolymph of the Red Palm Weevil *Rhynchophorus ferrugineus* After Treatment LeucokininII. Journal of Agricultural Science and Technology A 3 (2013) 140-145.
- Al- Dosary, M. M. 2013. Sensory receptors on abdominal and thorax segments in male and female red palm weevil *Rhynchophorus ferrugineus*. Agric. Biol. J. N. Am., 2013, 4(1): 23-32.
- Al- Dosary, M. M. 2012. Functional role of neuropeptide Leucokinin II in growth inhibition of red palm weevil *Rhynchophorus ferrugineus* Journal of Agricultural Science and Technology. USA. A 2 (2012) 988-996.
- Al- Moajel, N. H and M.M. Al- Dosary. 2002. Mesquite plant *Prosopis juliflora* (SW) D.C. powders as protections of mung bean *Vigna unguiculata* L. Walp. Against *Callosobruchus maculatus* (Fab) infestation. Journal of the Egyptian German Society of Zoology. (39E): 67-77.
- Al- Dosary, M. M and El- Tahir, K. E. 2012. Pharmacological action of integument extracts of red palm weevil, *Rhynchophorus ferrugineus* on albino mice. Agriculture and Biology Journal OF North America. 3(2): 49-56.
- Moursy, E. B, M. M. Al- Dosary and A. M. Al- Bekairi. 2011. Ovicidal contact activity of Beta- cyfluthrin and chlorpyrifos on the architecture surface and chorionic formation in the eggs of red palm weevil, *Rhynchophorus ferrugineus* Oliver. Accepted in the Menia International conference for Agriculture and Irrigation in the Nile Basin Countries 21st – 23rd May 2011, El-Menia Egypt.
- Al- Dosary, M.M; A. M El- Bekairi, and E. B. Moursy. 2010. Toxicity of Beta-cyfluthrin 25%W/V and Chlorpyrifos 48EC to the Egg stage of the Red Palm Weevil, *Rhynchophorus ferrugineus* (Olivier). Bull. Ent. Soc. Egypt, Econ. Ser., 36, 2010 (35-45).
- Sharaby, A. M. and M. M Al-Dosary. 2010. Ultra morphology of sensilla on the head and mouth parts of the earwig *Anisolabis martima* (Bonelli) (Dermaptera: Carcinophoridae). Archives of Phytopathology and Plant Protection Vol. 43, No. 12, 10 August 2010, 1214–1224.
- Al- Dosary, M.M; A. M El- Bekairi, and E. B. Moursy. 2010. Morphology of the egg shell and the developing embryo of the Red Palm Weevil, *Rhynchophorus ferrugineus* (Olivier). Saudi Journal of Biological Sciences. 17 , 177- 183.
- Al- Dosary, M.M. 2010. Distribution and Ultrastructure of Sensillae on Legs and Anal Cerci in Earwig *Anisolabis martima* (Dermaptera: Carcinophoridae). Journal of King Saud University(Science), 22: 21- 30.
- Al- Dosary, M.M . 2009. Ultrastructure of sensory receptors on the antennae of *Oryctes elegans* Prell(Coleoptera:Scarabidae). Journal of King Saud University(Science) 21: 173 – 178.
- Al- Dosary, M.M . 2009. Morphological characterization of the antennal sensilla of the earwig *Anisolabis maritima* (Dermaptera: Carcinophoridae) with reference to their probable functions . Saudi Journal of Biological Sciences, 16: 17-22.
- Sharaby, A. M and M.M. Al- Dosary. 2007. Ultra morphological characteristics of sensory sensillae on the legs and external genitalia of the Red palm weevil *Rhynchophorus ferrugineus* (Oliv.). Saudi Journal of Biological Sciences 14(1): 29-36.
- Sharaby, A. M and M.M. Al- Dosary. 2006. Sense organs on the head of the red palm weevil adults *Rhynchophorus ferrugineus* Olive. (Coleoptera: Curculionidae) of Saudi Arabian strain. Bulletin of the Entomological society of Egypt, 83: 99-132.
- Al- Moajel, N. H and M.M. Al- Dosary. 2003. Efficacy of mesquite plant *Prosopis juliflora* seeds from the cowpea beetle *Callosobruchus maculatus* Fab. Journal, Agric, Res. & Dev, 17(1): 11-19. El-Fayoum.