



CV of the Research Group Member (CO-PI)

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GENERAL INFO

Address: Department of Agriculture, Faculty of Environmental Sciences, King Abdulaziz University, P. O. Box 80208, Jeddah 21589, Saudi Arabia.

Personal Data (Date and place of birth, family status):

Date of birth: 13/5/1386 h. (1966), Al-Taif, Saudi Arabia

Family status: Married and have 6 children.

EDUCATION

- Ph.D. Horticulture – College of Agr. & Life Science- Mississippi State University, Mississippi, USA.
- **1997** M.Sc. Horticulture – Agricultural, Consumer and Environmental Sciences – New Mexico State University, New Mexico, USA.
- **1992** Bachelor of Science – Arid Land Agriculture – Department of Arid Land Agriculture, Faculty of Meteorology, Environment & Arid Land Agriculture, King Abdulaziz University, Jeddah, Saudi Arabia.



- Ph.D. entitled: “*Establishment & early growth of Blueberry cultivars in Northern Mississippi, and postharvest studies*”.
- M.Sc entitled: “*Influence of site preparation on soil moisture & weed competition in semi-arid tree planting*”.

PRESENT POSITIONS

Dean of Faculty of Environmental Sciences, King Abdulaziz University, P. O. Box 80208, Jeddah 21589, Saudi Arabia.

AWARDS AND HONORS

1. **Award of excellence in the field of scientific publishing for the faculty members**, Deanship of Scientific Research, **King Abdulaziz University** 2011.
2. **Award of excellence in the field of scientific publishing for the faculty members**, Deanship of Scientific Research, **King Abdulaziz University** 2010.
3. The International Services Office award, for outstanding international graduate completing requirements for a Doctoral Degree with excellence 2002.
4. Certificate of recognition, for graduate oral presentation at Sixty-Sixth Annual Meeting of the Mississippi Academy of Sciences 2002.
5. Certificate of recognition, for high scholarship outstanding achievement or services, The Honor Society of Agriculture Gamma Sigma Delta 1997

MEMBERSHIPS

- Member of the Saudi Biological Society, Riyadh, Saudi Arabia.
- Member of the Honor Society of Agriculture Gamma Sigma Delta, New Mexico State University, New Mexico, USA.
- Member of the Sam Steel Society, New Mexico State University, New Mexico, USA.
- Member of the Mississippi Fruit & Vegetable Growers Association, Mississippi, USA.
- Member of the Saudi Society For environmental Sciences, Jeddah, Saudi Arabia.

APPOINTMENTS



- Dean , Faculty of Meteorology, Environment & Arid Land Agriculture, King Abdulaziz University, Jeddah, Saudi Arabia since 2020
- Vice Dean , Faculty of Meteorology, Environment & Arid Land Agriculture, King Abdulaziz University, Jeddah, Saudi Arabia 2013-2020.
- Professor of Horticulture, Department of Arid Land Agriculture, Faculty of Meteorology, Environment & Arid Land Agriculture, King Abdulaziz University, Jeddah, Saudi Arabia since 2012.
- Head of Department of Arid Land Agriculture, Faculty of Meteorology, Environment & Arid Land Agriculture, King Abdulaziz University, Jeddah, Saudi Arabia from 2007-2013.
- Executive Supervisor of Hada Al-Sham Research Station, Faculty of Meteorology, Environment & Arid Land Agriculture, King Abdulaziz University, Jeddah, Saudi Arabia since 2007.
- Secretary of Departmental Board, Department of Arid Land Agriculture, Faculty of Meteorology, Environment & Arid Land Agriculture, King Abdulaziz University, Jeddah, Saudi Arabia, from 2005 - 2007.
- Associated Professor of Horticulture, Department of Arid Land Agriculture, Faculty of Meteorology, Environment & Arid Land Agriculture, King Abdulaziz University, Jeddah, Saudi Arabia from 2007-2012.
- Assistant Professor of Horticulture, Department of Arid Land Agriculture, Faculty of Meteorology, Environment & Arid Land Agriculture, King Abdulaziz University, Jeddah, Saudi Arabia, from 2002 - 2007.
- Scientific Mission for M.Sc and PhD programs at the United State of America, 1994 - 2002.
- Teaching Assistant, Department of Arid Land Agriculture, Faculty of Meteorology, Environment & Arid Land Agriculture, King Abdulaziz University, Jeddah, Saudi Arabia, from 1993 - 1994.

MAIN RESEARCH OR TECHNOLOGY TOPICS

- Optimization of cultural practice for date palm and other fruit trees under arid and semi-arid conditions.
- Anti-stress substance, bio-fertilizers and fruit trees productivity under stress Conditions.
- Organic farming and sustainable agriculture production systems.
- Regulation of secondary metabolites biosynthesis and accumulation in fruit (e.g. natural antioxidants and phytochemicals).
- Regulation of fruit maturation, ripening and biochemical changes.
- Pre and postharvest physiology and technology of horticultural produce.
- Fruit quality and healthness in relation to pre and postharvest factors.

COLLABORATION



- 1- King Soud University, Saudi Arabia .
- 2- King Faisal University, Saudi Arabia.

PUBLICATIONS AND JOURNALS

(Total Number of publication= 53 of which 43 were published in ISI previewed journals, the others were published in local and international previewed journals and international conferences and congress. These included 26 Journals of which there were 19 ISI journals.

RECENT RELEVANT 2015-2021

1. **Al-Qurashi, AD**; Awad, MA. .2020. Exogenous gamma-aminobutyric acid and ascorbic acid application affect quality and biochemical changes of 'Hindi-Besennara' mangoes during ripening. BIOSCIENCE RESEARCH: (17) 633-643
2. Awad, MA ; **Al-Qurashi, AD** .2020 .Postharvest oxalic acid dipping affects ripening, quality and antioxidant system of 'Hindi-Besennara' mangoes during ripening. BIOSCIENCE RESEARCH: (17) 653-662
3. **Al-Qurashi, AD**; Awad, MA.2019. Postharvest gibberellic acid, 6-benzylaminopurine and calcium chloride dipping affect quality, antioxidant compounds, radical scavenging capacity and enzymes activities of 'Grand Nain' bananas during shelf life. SCIENTIA HORTICULTURAE : (253) 187-194
4. Awad, MA ; **Al-Qurashi, AD**. 2019. Quality and Biochemical Changes of 'Sukkari' Bananas during Shelf Life as Affected by Postharvest Dipping in Ethanolic Extract of Propolis. PHILIPPINE AGRICULTURAL SCIENTIST(102) 132-140
5. Mousa, MAA; **Al Qurashi, AD** . 2018. Growth and yield of cowpea (*Vigna unguiculata* L.) cultivars under water deficit at different growth stages. LEGUME RESEARCH (41) 702-709
6. Alali, AA; Awad, MA; **Al-Qurashi, AD**; Mohamed, SA. 2018 .]Postharvest gum Arabic and salicylic acid dipping affect quality and biochemical changes of 'Grand Nain' bananas during shelf life. SCIENTIA HORTICULTURAE.(237) 51-58.
7. **Al-Qurashi, Adel D.** and Awad, Mohamed A., 2018. Postharvest ethanolic extract of propolis treatment affects quality and biochemical changes of 'Hindi-Besennara' mangos during shelf life. SCIENTIA HORTICULTURAE : (233) 520-525
8. Awad, Mohamed A.; **Al-Qurashi, Adel D.**; Mohamed, Saleh A.; El-Shishtawy, Reda M., 2017. Quality and biochemical changes of 'Hindi-Besennara' mangoes during shelf life as affected by chitosan, gallic acid and chitosan gallate. JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSOREV(54)13: 4139-4148
9. Mohamed A. Awad, **Adel D. Al-Qurashi**, Abdulaziz M. A. Alrashdi, Saleh A. Mohamed, Faycal Faïdi., 2017. Developmental changes in phenolic compounds, antioxidant capacity and enzymes activity in skin of 'El-Bayadi' table grapes. Sci. Hortic. 224, 219-225.



10. Abdulaziz M. A. Alrashdi, **Adel D. Al-Qurashi**, Mohamed A. Awad, Saleh A. Mohamed, Awad A. Al-rashdi, 2017. Quality, antioxidant compounds, antioxidant capacity and enzymes activity of 'El-Bayadi' table grapes at harvest as affected by pre-harvest salicylic acid and gibberellic acid spray. *Sci. Hortic.* 220, 243-249.
11. Abdulaziz M. A. Alrashdi, Mohamed A. Awad, **Adel D. Al-Qurashi**, Saleh A. Mohamed, 2017. Berry quality, antioxidant compounds, antioxidant capacity and enzymes activity during storage of three local table grape cultivars growing in Saudi Arabia. *Int. J. Biosci.* 10 (4), 176-190.
12. **Adel D. Al-Qurashi**, Mohamed A. Awad, Saleh A. Mohamed, Mohamed I. Elsayed, 2017. Postharvest chitosan, trans-resveratrol and glycine betaine dipping affect quality, antioxidant compounds, free radical scavenging capacity and enzymes activities of 'Sukkari' bananas during shelf life. *Sci. Hortic.* 219, 173-181.
13. Mohamed A. Awad, **Adel D. Al-Qurashi**, El-Refaey F.A. El-Dengawy, Mohamed I. Elsayed, 2017. Quality and biochemical changes of 'Hindi-Besennara' mangoes during shelf life as affected by chitosan, trans-resveratrol and glycine betaine postharvest dipping. *Sci. Hortic.* 217, 156–163.
14. Mohamed A. Awad, **Al-Qurashi, A.D.**, Mohamed, S.A., El-Shishtawy, R.M., Ali, M.A., 2017. Postharvest chitosan, gallic acid and chitosan gallate treatments effects on shelf life quality, antioxidant compounds, free radical scavenging capacity and enzymes activities of 'Sukkari' bananas. *J. Food Sci. Technol.* 54, 447-457.
15. **Adel D. Al-qurashi**, Mohamed A. Awad and Saleh M. Ismail 2016. Yield, Fruit Quality and Nutrient Uptake of 'Nabbut-Ahmar' Date Palm Grown in Sandy Loam Soil as Affected by NPK Fertigation. *Journal of plant Nutrition.* 39 (2) : 268-278.
16. Mohamed A. Awad and **Adel D. Al-qurashi**. 2016. Quality, antioxidant capacity, antioxidant compounds and enzymes activities of 'El-Bayadi' table grapes as affected by postharvest UV-C radiation. *The Philippine Agricultural Scientist.* 99:34-41.
17. **Adel D. Al-qurashi**, Saleh M. Ismail and Mohamed A. Awad 2016. Effect of water regimes and palm Coefficient on growth parameters, Dates yield and irrigation water use of tissue culture-regenerated "Barhee" date palms grown in newly established orchard. *Irrig and Drain.* 65:491-501.
18. **Adel D. Al-qurashi** and M. A. Awad, 2015. Postharvest chitosan treatment affects quality, antioxidant capacity, antioxidant compounds and enzymes activities of 'El-Bayadi' table grapes after storage. *Scientia Horticulturae.* 197 : 392-398.
19. Mohamed A. Awad, **Adel D. Al-qurashi** and Saleh A. Mohamed 2015. Postharvest trans-resveratrol and glycine betaine treatments affect quality, antioxidant capacity, antioxidant compounds and enzymes activities of 'El-Bayadi' table grapes after storage and shelf life. *Scientia Horticulturae.* 197 : 350-356
20. Mohamed A. Awad and **Adel D. Al-qurashi** 2015. Influence of different whole bunch removal or bunch thinning treatments on yield and fruit quality of three date palm cultivars. *Wulfenia Journal.* (22) 479-491.



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21. **Adel D. Al-qurashi**, Mohamed A. Awad and Saleh M. Ismail 2015. Growth, yield, fruit quality and nutrient uptake of tissue culture-regenerated “Barhee” date palms grown in a newly established orchard as affected by NPK fertigation. *Scientia Horticulturae*. 184: 114-122.