

Name	Ahlam Abdullah Husain Al Watban	
Present Address	Saudi Arabia, Al Riyadh, King Saud University “KSU” Faculty of science, Botany and microbiology Dept. P. o Box 2455, Riyadh 11451	
Education	Ph.D. 2000 plant anatomy .king Saud University Thesis Title; Anatomical studies on some Stachoidiaceae Family growing naturally in Saudi Arabia M.Sc. 2000, plant physiology. King Saud University Thesis Title: Effect of different concentrations of Gebrellic acid and Actinomycine –D on Date palm <i>Phoenix dactylifera</i> variety Sukari and Mactumia seedlings ' B.Sc.1980, Faculty of Agriculture, Basra Univ., Iraq.	

Interests and research skills:

- ✚ Plant Anatomy, Date palm Tissue culture.
- ✚ Comparative Anatomy in plant surface studies e.g. ,trichomes & stomata types
- ✚ Environmental, physiological and anatomy of the plant.
- ✚ Experiments in applied plant anatomy

EXPERIENCE

Teaching experience:

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| 1. (213 Bot.) Micro technique | 8. (498 Bot.) Research Project. |
| 2. (271 Bot.) Plant Physiology | 9. (521 Bot.) Plant surface |
| 3. (477 Bot.) Plant stress | 10. (514 Bot.) Practical Anatomy |
| 4. (671 Bot.) Advanced in plant stress | 11. (231 Bot.) Plant Communities |
| 5. (611 Bot.) Advanced Plant Anatomy. | 12. (241 Bot.) Advanced Factors in
Plant Ecology. |
| 6. (212 Bot.) Plant Anatomy | 13. (101 Bot.) General Botany |
| 7. (491 Bot.) Training in plant environment
and alga | 14. (514 Bot.) Applied plant anatomy |

Technical Laboratory and field Experiences:

1. Plant anatomy and slide processes using paraffine wax and microtomes.
2. Preparation of microscopic slides of mitotic and Meiosis division in plant.

Sessions and Training Programs and Workshops:

Participate and attend some courses and training programs:-

1. The workshop entitled “Writing Scientific Papers and getting them published”, Researchers Support & Services Unit - Vice President for Graduate Studies and Research - KSU 15-17 March 2015.

Conferences

1. The 2nd Saudi International Conference on Scientific Publishing Deanship of Scientific Research – KSU 11-13 October 2015.
2. Participate in the "30th meeting of the Saudi Biological Society for the Life Sciences entitled “Economics of the Red Sea and their Development 7-9 April –Tabuk University- Tabuk.

3. Participation in the 6th International Conference of Water Resources and Arid Environments "ICWRAE" that organized by the Prince Sultan Center for Research on Environment, Water and Desert, and sponsored by the Ministry of Water and Electricity Saudi Arabia and others - "KSU" in December 2014.
4. Participation the 1st Saudi Conference for research support, "King Abdul Aziz City for Science and Technology "KACST" - Riyadh in November 2014.
5. Participation The Saudi International Conference for advanced material techniques "King Abdul Aziz City for Science and Technology "KACST" - Riyadh in September 2014.
6. Participation The Saudi Marketing Conference (SMC 2014) Riyadh, Visalia hotel September 2014.
7. Participation the Simpson belong the PCT "King Abdul Aziz City for Science and Technology "KACST" - Riyadh in May 2014.
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8. Participate in the "29th meeting of the Saudi Biological Society for the Life Sciences entitled "Environment and Development in the Gulf region" in collaboration with the University of Dammam and Prince Sultan Chair for Environment and Wildlife February 2014 - University of Dammam.
9. Participation in the 5th International Conference of Water Resources and Arid Environments "ICWRAE" that organized by the Prince Sultan Center for Research on Environment, Water and Desert, and sponsored by the Ministry of Water and Electricity Saudi Arabia and others - "KSU" in January 2014.
10. Participate in The 2nd Saudi International Conference on Information Technology, "KACST" - Riyadh in November 2013
11. participate in The 5th Annual Saudi Technology Incubation Conference which was held at KACST - Riyadh in November 2013
12. Participate in the "28th meeting of the Saudi Biological Society for the Life Sciences entitled (Eco-tourism and Sustainable Development). in collaboration with the University of Hail, Prince Sultan Chair for Environment and Wildlife University - Hail April 2013
13. Attend the "5th ICWRAE" International Conference of Water Resources and Arid Environments Prince Sultan Center for Research on Environment, Water and Desert "KSU",
14. Participation in the 4th International Conference of Water Resources and Arid Environments "ICWRAE" that organized by the Prince Sultan Center for Research on Environment, Water and Desert, and sponsored by the Ministry of Water and Electricity Saudi Arabia and others - "KSU" in January 2013

15. Attend the “Second International Conference on e-learning and distance education” under the slogan “a unique learning for a new generation ” and held Faisaliah tower - Riyadh in the period from February 21 to 24, 2011.
16. Participate in the 26th meeting of the Saudi Society for the Life Sciences "Climate change and biodiversity” (2 search provider) which was held at the University of Taif May 2011.
17. Participating in the activities of “the Riyadh Economic Forum” (fifth session) and the Attend the “International Conference Saudi Water Technology 2011”, which was held at KACST - Riyadh under the patronage of the Custodian of the Two Holy Mosques in November 2011.

Research published in scientific journals.

1. **Ahlam A. Al- Watban**, Abdullah R. Doaigey and Mohamed El-Zaidy (2015) Pollen morphology of six species of subfamily Stachyoideae (Lamiaceae) in Saudi Arabia. African Journal of Plant Science. Vol. 9(5), pp. 239-243, May 2015.
2. Amani Al- Jloud, **Ahlam Al- Watban**, Abdullah Doaigey and Mohammed El-Zaidy (2014) Anatomical study of the floral parts of certain species of the two genera *Cleome* L. and *Capparis* L. growing naturally in the Kingdom of Saudi Arabia. Saudi journal of Biological Sciences Vol, 20. No. 5. December, (2014) (Arabic issue).
3. **Ahlam A. Al-Watban**, Ebtesam Al-Mogren, Abdullah R. Doaigey and Mohamed El Zaidy (2013). Pollen morphology of seven wild species of *Acacia* in Saudi Arabia. African Journal of Plant Science. 7 (12): 602 – 607
4. Abdullah Doaigey, Ihsan El-Habashy, **Ahlam Al- Watban**, Abd Elsalam Milagy, Abdulaziz Al Sahli, Manzer Siddiqui, Mohamed Al-Whaibi and **Mohamed El-Zaidy (2013)**. Epidermal characteristics of 34 species of Brassicaceae growing in desert of Saudi Arabia. Wulfenia journal. 20 (9): 202-221.
5. Abdullah R. Doaigey, Nada H. Al- Helwah, **Ahlam A. Al-Watban**, Mohamed Zaidy (2013) Anatomical Study on Vegetative Parts of Three Wild Species of *Senna* Miller in Saudi Arabia. Saudi Journal of Biological Sciences. 20 (5) 85-92 December, 2013.

6. Nada Al-Helwah, Abdullah R. Doaigey, **Ahlam Al-Watban** and Mohamed El-Zaidy (2013) Micromorphological Characters of Leaflet Epidermis in Three Wild *Senna* Miller Species In Saudi Arabia. Saudi Journal of Biological Sciences. 20 (5) 105-111 December, 2013.

7. Mona Al Dera , **Ahlam Al-Watban** and Abdullah R.Doaigey, Anatomical study of four species of *Plantago* L. growing naturally in Saudi Arabia , Saudi journal of biological sciences 19 (5)65-65 December , 2012.

8. Amani M.Al -Jloud, **Ahlam A.Al-Watban** and Abdulla R.Doaigey,.Comparative anatomical study of the flowers of two species of *Clome* L. And two species of *Capparais* L. growing naturally in Saudi Arabia, Saudi journal of biological sciences, (2012) December, 19 (5)131-146.

9. **Ahlam A.Al Watban** and Hediat m.h.salama, Physiological effects of allelopathics activity of *Artemisia monosperma* on common bean (*Phaseolus vulgaris* L.) International Research Journal of Plant Science (2012) (ISSN: 2141-5447) Vol. 3(8) pp. 158-16.

10. Abdullah R.Doaigey, **Ahlam Al-Watban** and Mona Al Dera .10 Comparative anatomical study of leaves epidermis of four *Plantago* L. Species (plantaginaceae) growing naturally in Saudi Arabia Saudi journal of biological sciences (2011)18, 79-86.

11. Abdullah R.Doaigey, **Ahlam Al-Watban** and Mona Al Dera .1 Dera Comparative anatomical study of leaves epidermis of four *Plantago* L. Species (plantaginaceae) growing naturally in Saudi Arabia Saudi journal of biological sciences (2011)18, 79-86.

12. Abdullah R.Doaigey, **Ahlam Al-Watban** and Mona Al Dera .2 Dera Comparative anatomical study of leaves epidermis of four *Plantago* L. Species (plantaginaceae) growing naturally in Saudi Arabia Saudi journal of biological sciences (2011)18, 79-86.

13. Hediat m.h.salama, **Ahlam a.al watban**, Anoud t.Al-Fughom Effect of ultraviolet radiation on chlorophyll, carotenoid, protein and proline contents of some annual desert plants. Saudi journal of biological sciences (2010)18, 79-86.

14. **Ahlam Al-Watban**, Abdullah R. Doaigey STUDY ON FLORAL EPIDERMAL CHARACTERS OF THREE SPECIES OF GENUS SALVIA GROWING NATURALLY IN THE KINGDOM OF SAUDI ARABIA, *Sci.Int. (Lahore)*

15 - Effect of salicylic acid of *Vigna radiate* L. seedling under salt stress
Natural life and applied Science V (6) Issue (2):30 Jun2022 p.56-76. Mona .2022
A. Al dera, Abdullaziz A. Al sahaley , Ahlam .A. Al watban . (2011), 23(2), 107-111,
2011 ISSN, SINTE.

16-Response of pepper leaves epidermal cell under ozone stress to
 Abdullah Mohamed El-Zaidy Abdulaziz A. Alsahli, ascorbic acid treatment
 Vol.15(3), pp. 412-418 , March .Ahlam Al- Watban R. Doaigey
<https://doi.org/10.5897/AJAR2019.14201> .2020

17- Response of pepper leaves epidermal cell under ozone stress to
 ascorbic acid treatment, March 2020, [African journal of agricultural research](#) 15(3):412-418, DOI: [10.5897/AJAR2019.14201](https://doi.org/10.5897/AJAR2019.14201)

Research published in the conferences.

1. Abdullah R. Doaigey, Nada H. Al- Helwah, **Ahlam A. Al-Watban** and Mohamed Zaidy (2014) Anatomical Study on Vegetative Parts of Three Wild Species of *Senna* Miller in Saudi Arabia."29th meeting of the Saudi Biological Society (Environment and Development in the Arabian Gulf ").
2. Nada Al-Helwah, Abdullah R. Doaigey, **Ahlam Al-Watban** and Mohamed El-Zaidy (2014) "Micromorphological Characters of Leaflet Epidermis in Three Wild *Senna* Miller Species In Saudi Arabia." 29th meeting of the Saudi Biological Society (Environment and Development in the Arabian Gulf ").
3. A. Al-Jloud, **Ahlam Al-Watban**, A. Doaigey and Mohammed El-Zaidy (2013). Anatomical study of the floral parts of certain species of the two genera *Cleome* L. and *Capparis* L. growing naturally in the Kingdom of Saudi Arabia. 28th meeting of the Saudi Biological Society (Eco-tourism and Sustainable Development).
4. Abdullah R. Doaigey, **Ahlam Al- Watban**, Abd El-Salam Milagy, Abdulaziz A. AlSahli and Mohamed El Zaidy. (2012). Epidermal characters of leaves and stems of some species of Brassicaceae growing naturally in Saudi Arabia. 27th meeting of the Saudi Biological Society (Economics of Environment and Natural Resources).

Books

1. (Practical studies of plant surfaces) with a group of faculty members of the Department of Botany and Microbiology, Faculty of Science - King Saud University.

Computer Skills:

- 1- The ICDL certificate.
- 2- Passing the "training program for young graduates in information technology," College
- 3- Get a course in "windows 95 & word 97". August 1997 AD.
- 4- Word Processing, Word Perfect, MS word.
- 5- Data preparation and presentation: Power Point, Adobe Photoshop, Excel and Access.