بسم الله الرحمن الرحيم

**المملكة العربية السعودية**

**جامعة الملك ســعود**

**كلية العلــــوم**

**قسم النبات والأحياء الدقيقة**

**السيرة الذاتية**

**للدكتور / أحمد بن حمد عبدالله الفرحان**

**الأسم : أحمد بن حمد عبدالله الفرحان**

**الجنسية : سعــودي**

**جهة العمل : جامعة الملك سعود – كلية العلوم**

**الدرجة العلمية : استاذ**

**الوظيفة : أستاذ بقسم النبات والأحياء الدقيقة .**

**: نائب رئيس برنامج زمالة عالم للشؤون الفنية , جامعة الملك سعود :المشرف على المعشبة النباتية , جامعة الملك سعود**

**التخصص : نبات - بيئـــة - تصنيف نباتات**

**مجال البحث والدراسة : التنوع النباتي وبيئة وفلورا والمحافظة علي التنوع النباتي بالمملكة**

**العربية السعودية**

**العنوان : قسم النبات والأحياء الدقيقة – كلية العلوم**

**ص.ب 2455 الرياض 11451**

**تليفون 4675808 – 0505461006 فاكس 4675833**

**E. mail : alfarhan@ksu.edu.sa**

**سنة الميلاد : 1957م**

**الحالة الإجتماعية : متزوج**

**التاريخ العلمي :**

**بكالوريوس : قسم النبات – جامعة الملك سعود 1978م**

**الماجستير : العلوم النباتية والبيئية – جامعة ريدنج بريطانيا 1983م**

**الدكتوراة : العلوم النباتية والبيئية – جامعة ريدنج بريطانيا 1987م**

**التاريخ الوظيفي :**

**معيد : جامعة الملك سعود 1978- 1987م**

**أستاذ مساعد : جامعة الملك سعود 1987- 1994م**

**أستاذ مشارك : جامعة المك سعود 1994- 2003م**

**أستاذ :جامعة الملك سعود2003م *.....***

**المهام :**

**1- عضو مجلس ادارة مركز تنمية الغطاء النباتي ومكافحة التصحر بوزارة البيئة والزراعة والمياه من 2020 حتى الان.**

**2- رئيس الفريق الدولي لمحفظة الارض بهيئة تطوير منطقة عسير من ٢٠٢٢ الى الان**

**3- رئيس اللجنة العلمية للمؤتمر الدولي حول تقنية التشجير  المنعقد من 28 الى 30 مايو 2022 باالرياض، المملكة العربية السعودية والتي ينظمها المركز الوطني للغطاء النباتي ومكافحة التصحر بالتعاون مع وزارة البيئة والمياه و الزراعية**

**4- عضو باللجنة الاستشارية لمبادرة السعودية الخضراء ( SGI- SMPS) 2022**

**5-المؤتمر الدولي العاشر للموارد المائية والبيئة الجافة المنعقد من ٢٦ الى ٢٨ ديسمبر ٢٠٢٢ بجامعة الملك سعود  بالرياض ، المملكة العربية السعودية**

**6- المشرف الفني لمشروع الدعم الاستشاري لتفعيل البحث العلمي والظهور الدولي لجامعه الاميره نوره بنت عبدالرحمن ( برنامج زمالة عالم - معهد الملك عبدالله - جامعة الملك سعود)**

**7- المشرف الفني لمشروع البحث العلمي المميز والظهور الدولي لجامعة الطائف ( برنامج زمالة عالم - معهد الملك عبدالله - جامعة الملك سعود )**

**8- رئيس اللجنة العلمية بمشروع دراسات المملكة الخضراء وخطة العمل التنفيذية للجنة**

**9• نائب رئيس اللجنة العلمية، الهيئة السعودية للحياة الفطرية، 2011 - 2018.**

**10- نائب رئيس برنامج زمالة عالم بجامعة الملك سعود .**

**11- نائب رئيس مركز التميز البحثي في التنوع البيولوجي من عام 2007 - 2018.**

**12- نائب رئيس كرسي الأمير سلطان للبحوث للبيئة والحياة الفطرية من عام 2007 - 2017.**

**13- مستشار بوزارة البيئة والمياه والزراعة من عام 2018 وحتى الآن.**

**14- مستشار، بقسم البيئة البشرية، مجلس التعاون الخليجي، الرياض.**

**15- مستشار في الهيئة السعودية للحياة الفطرية، المملكة العربية السعودية من 1996 - 2017.**

**16- مستشار على حديقة الملك عبد الله النباتية، الرياض.**

**17- حائز على جائزة جامعة الملك سعود للتميز العلمي، 2018.**

**18- ممثل وزارة التعليم العالي في لجنة التنوع البيولوجي، في المملكة العربية السعودية.**

**19- عضو هيئة تحرير المجلة السعودية للعلوم البيولوجية، الجمعية السعودية البيولوجية (SBS)  منذ عام 1997 وحتى الآن.**

**20- عضو لجنة المناهج بجامعة الملك سعود من 1988-1991.**

**21- رئيس لجنة كتاب بيانات النباتات العربية الحمراء (APSG / IUCN).**

**22- نائب رئيس المجموعة العربية التخصصية للنبات APSG / SSC / IUCN.**

**23- رئيس لجنة الحدائق النباتية العربية (APSG / IUCN).**

**24- رئيس مجموعة البيئة من 1992 إلى 1995 ؛ من عام 2001 وحتى الآن. (جامعة الملك سعود).**

**25- مشرف على معشبة جامعة الملك سعود ، من عام 1988 وحتى الآن.**

**26- مشرف على الحديقة النباتية، كلية العلوم ، جامعة الملك سعود.**

**27- رئيس قسم النبات والأحياء الدقيقة من 2002-2006م.**

**28- عضو لجنة بنك الجينات APSG / IUCN منذ عام 2001 حتى الآن.**

**29- عضو لجنة إدارة البيوت المحمية والمختبرات البيئية بجامعة الملك سعود.**

**30- ممثل في لجان مختلفة للهيئة الوطنية لحماية الحياة الفطرية وإنمائها (NCWCD) في المملكة العربية السعودية.**

**31- مشرف أو عضو في لجان مختلفة للهيئة السعودية للحياة الفطرية**.

**32- عضو في لجنة الرحلات الحقلية لطلاب قسم النبات والاحياء الدقيقة  2015  منذ عام حتى الان**

**33- رئيس اللجنة الرئيسية لبرنامج الدبلوم العالي (تنمية الغطاء النباتي ومكافحة التصحر) منذ عام منذ عام 2018 حتى الان**

**34- عضو لجنة المجلس الاستشاري في قسم النبات والاحياء الدقيقة منذ عام 2019 حتى الان**

**35- رئيس اللجنة الرئيسية لبرنامج الماجستير التنفيذي (الاثر البيئي) بكلية العلوم منذ عام 2019 حتى الان**

**36- عضو في لجنة اعداد الخطط الدراسية للبرامج بين قسم النبات والاحياء الدقيقة وقسم علم الحيوان منذ عام 2018 حتى الان**

**الجمعيات وأنشطة أخرى :**

1. **عضو في الجمعية السعودية لعلوم الحياة من 1977م .**
2. **عضو في جمعية لينس ، لندن – بريطانيا من 1985م .**
3. **عضو في الإتحاد العالمي للمحافظة على الطبيعة { IUCN } من 1997م .**
4. **عضو في المجموعة العربية التخصصية للنبات .**
5. **عضو في المجموعة الخاصة بعمل فلورا الجزيرة العربية .**
6. **عضو في المجموعة الخاصة بالمحافظة على النباتات المهددة بالإنقراض في المملكة العربية السعودية .**
7. **أمين سر الجمعية السعودية لعلوم الحياة من 1425هـ .**
8. **المسؤول عن فريق العمل الخاص بإعداد قائمة بالنباتات المهددة بالإنقراض في الجزيرة العربية .**
9. **تحكيم العديد من الكتب والأبحاث .**
10. **تحكيم مشاريع بحثية لمدينة الملك عبدالعزيز للعلوم والتقنية .**
11. **الإشراف على عدد من طلاب وطالبات الماجستير والدكتوراة .**

**مشاريع أبحاث :**

**1- عضو في مشروع دراسة مسببات امراض الحساسية في المملكة العربيـة السعوديـة { مشروع مدعم من مدينة الملك عبدالعزيز للعلوم والتقنية }.**

**2- عضو في مشروع النباتات البرية في المملكة العربية السعودية الصالحة للزينة 1416**

**– 1417 هـ { مشروع بحث مدعم من مدينة الملك عبدالعزيز للعلوم والتقنية }.**

**3- عضو في مشروع الإستفادة من النباتات البرية لعلاج المواشي 1416- 1417هـ**

**{ مشروع بحث مدعم من مدينة الملك عبدالعزيز للعلوم والتقنية } .**

**4- باحث مشارك لمشروع { جنس البرسوبس : الخصائص الكيموحيويـة والمسببات**

**للحساسية } ممول من مدينة الملك عبدالعزيز للعلوم والتقنية ، الرياض ، 1999-**

**2001م .**

**5- الباحث الرئيسي لمشروع { فلورا منطقة جازان ، ممول من ةمدينة الملك عبدالعزيز**

**للعلوم والتقنية ، 1999- 2003م .**

**6- رئيس الفريق السعودي لمشروع { المحافظة على غابات العرعر في المملكة العربية السعودية}**

**" مشروع بحث مشترك مع وكالة الشراكة الدولية اليابانية السعودية ( جايكا ) والهيئة الوطنية لحماية الحياة الفطرية وإنمائها" ، الرياض . 1999- 2002م .**

**7- عضو في مشروع أطلس الصور للاقمار الصناعية للملكة العربية السعودية { مركز دراسات التصحر ومدينة الملك عبدالعزيز للعلوم والتقنية } 2000-2003م.**

**8- عضو في مشروع " حماية الغابات " { ممول من وزارة الزراعة والمياه ومدينة الملك عبدالعزيز للعلوم والتقنية } 2000م .**

**9- باحث مشارك في مشروع " دراسة امكانية تنمية الاشجار الصالحة للاحتطاب والاهمية الاقتصادية والبيئية في المنطقة الوسطى من المملكة العربيـةالسعوديـة"**

**{ ممول من وزارة الزراعة والمياه ومدينة الملك عبدالعزيز للعلوم والتقنية } 2001- 2004م .**

**10- عضو في مشروع { الانظمة البيئية في المملكة العربية السعودية } ممول من جامعة الملك سعود 2005م .**

**11-باحث مشارك في مشروع "** **حفظ وتقييم التنوع النباتي ذي القيمة الاقتصادية المحتملة في النظم البيئية الجبلية ، المملكة العربية السعودية" 2011-2012/2012-2013 { مشروع بحث مدعم من مدينة الملك عبدالعزيز للعلوم والتقنية }**

1. **باحث مشارك في مشروع "** **تقييم تأثير وإدارة الأنواع الغازية في مراكز التنوع النباتي والمجالات الزراعية في المملكة العربية السعودية** " **2011-2012/2012-2013 { مشروع بحث مدعم من مدينة الملك عبدالعزيز للعلوم والتقنية }**
2. **الباحث الرئيسي في مشروع " مراقبة الأراضي الرطبة في المملكة العربية السعودية" 2014-2016 { مشروع بحث مدعم من مدينة الملك عبدالعزيز للعلوم والتقنية }**
3. **الباحث الرئيسي في مشروع " آليات التحكم في النتح الجلدي في النباتات الصحراوية السعودية" 2014-2016 { مشروع بحث مدعم من مدينة الملك عبدالعزيز للعلوم والتقنية }**

**الأوراق العلمية المنشورة بالمجلات والدوريات العالمية : 176 /عدد الكتب**

**عدد الاوراق العلمية بصدد النشر : 5**

**Research Projects**

* Co-investigator of the project “The genus Prosopis: Allergenic and biochemical properties” (Funded by King Abdulaziz City for Science and Technology (KACST), Riyadh, 1999-2001
* Co-investigator of the project “The possibility of benefiting from wild plants growing in the Kingdom for horticultural and ornamental use in cities.” (funded by King Abdulaziz City for Science and Technology, Riyadh) 1997-1999.
* Principal investigator of the research project “Flora of Jizan Region, funded by King Abdul Aziz city for Science and Technology, 1999-2003
* Consultant of the research project “Conservation of Juniper woodlands in Saudi Arabia” ( A joint research project between Japanese International cooperation agency (JICA) and National Commission for Wildlife Conservation and Development (NCWCD), Riyadh. 1999-2002
* Member of the research project Satellite image Atlas of Saudi Arabia. (Center for desert Studies and KACST) 2000-2003
* Member of the research project “Forest conservation” (funded by Ministry of Agriculture & Water and KACST) 2000 –
* Co-investigator of the research project, “Studying the possibility of raising some firewood trees and their economic and ecological importance in the Central Region of Saudi Arabia (funded by Ministry of Agriculture and water and KACST), 2001-2004.
* Co-investigator of the research, Conservation and valuation of plant diversity of potential economic value in mountain ecosystems, Kingdom of Saudi Arabia. Project no. 10-ENV1276-02, Funded by King Abdulaziz City for Science and Technology. 2011-2012/2012-2013.
* Co-investigator of the research project, Impact assessment and management of invasive species in plant diversity centres and agriculture fields of Saudi Arabia, Project No. 10-ENV1295-02, Funded by King Abdulaziz City for Science and Technology. 2011-2012/2012-2013.

**University and Community Services**

1. Member of Saudi Biological Society from 1977 to date.
2. Member of the Aredh protected area establishment committee (NCWCD) in 1992
3. Member of the Arabian Gulf protected area establishment committee, in 1992
4. Chairman of the Majam’ Al-Hadhb reserve working team. From 1993

Onwards.

1. Reviewer of several research projects submitted to King Abdul Aziz City for Science and Technology (KACST)
2. Reviewer of scientific books submitted to the Universities and National

Commission for wildlife conservation and Development (NCWCD)

1. Referee of several scientific papers submitted to different journals
2. Academic advisor of many students at the dept. of Botany & Microbiology, King Saud University.

**Thesis Supervision**

1. Co-supervisor of the qualified M.Sc. Thesis “ Comparative Ecological Studies of Vegetation in varied adjacent habitats in Wadi Al-Hair (Riyadh), Botany & Microbiology dept. , King Saud University.
2. Supervisor of M.Sc. Thesis “ Flora of Jabal Fayfa” , Dept. of Botany & Microbiology, Faculty of Science, King Saud University, 1996
3. Supervisor of M.Sc. Thesis “ Flora of Farasan Islands” Dept. of Botany & Microbiology, Faculty of Science, King Saud University. 1999
4. Supervisor of M. Sc. Thesis “Survey of poisonous plants in Saudi Arabia”, Dept. of Botany & Microbiology, Faculty of Science, King Saud University, 2000
5. Supervisor of M. Sc. Thesis “Systematic and ecologic studies of halophytes in Saudi Arabia, Dept. of Botany & Microbiology, King Saud University, 2001.
6. Supervisor of Ph.D. thesis. “Systematic studies on the genus Verbascum in Saudi Arabia, Dept. of Botany & Microbiology, King Saud University, 2002.
7. Supervisor of M.Sc. thesis “Systematic revision of the genus Pulicaria in Saudi Arabia” Dept. of Botany & Microbiology, King Saud University, 2002.
8. Supervisor of M.Sc. thesis Soil seed bank of Wadi Hanifa, Saudi Arabia, Dept. of Botany & Microbiology, King Saud University, 2002..
9. Supervisor of M.Sc. thesis “Seed germination studies of Rumex spp. in Saudi Arabia”, Dept. of Botany & Microbiology, King Saud University, 2004.
10. Supervisor of Ph.D. Thesis “Eco-physiological studies on certain important plants of Saudi Arabia” (in progress)
11. External examiner of several M.Sc. and Ph.D. thesis in King Saud University and other Universities in the Kingdom.

**Other works published in books and proceedings.**

1. Ahmed H. Alfarhan (1997). Development of natural vegetation, Conference, Development and Environmental impact, Ministry of Municipal and Rural Affairs, Kingdom of Saudi Arabia.
2. Ahmed H. Alfarhan (1998). Species status and Proceedings Strategy (Part One), Endangered, vulnerable and rare plant taxa in the Kingdom of Saudi Arabia. National Commission for Wildlife Conservation and Development (NCWCD), Riyadh.
3. Ahmed H. Alfarhan and Thomas, J. (1998). Preliminary Red List of plants of Saudi Arabia, National Commission for Wildlife Conservation and Development (NCWCD), Riyadh
4. Ahmed H. Alfarhan and Thomas, J. (1999) Key to the families, Flacourtiaceae, Flora of the Kingdom of Saudi Arabia, Mini. Argi. & Water., Riyadh.
5. Ahmed H. Alfarhan (1999). King Abdulaziz and his sons’ (Kings) contribution to the conservation of vegetation in Saudi Arabia. Symposium on the Conservation of Vegetation, King Saud University. (In Arabic).
6. Ahmed H. Alfarhan (1999). List of plants.

a. A provisional list of endangered or vulnerable plants in Saudi Arabia.

b. Endemic plants of the Arabian Peninsula and Socotra.

(Proceedings of the workshop on the conservation of the flora of the Arabian Peninsula, conducted by the Arabian Plant Specialist Group (APSG)-IUCN at the National Commission for Wildlife Conservation and Development, Riyadh.)

1. Ahmed H. Alfarhan (2000) Plants of economic importance. Folklore Encyclopedia of Saudi Arabia, The circle for information Co. Ltd. Saudi Arabia.
2. Ahmed H. Alfarhan and Thomas, J. (2000) Convolvulaceae, Cuscutaceae, Buddlejaceae, Geraniaceae, Caprifoliaceae. Flora of the Kingdom of Saudi Arabia Vol. 2.( (part 1, 2 and 3). S. Chaudhary (ed.) Ministry of Agriculture and Water, Riyadh.
3. Ahmed H. Alfarhan, Turki, T.A. and Basahy, A.Y. (1999-2002). Flora of Jizan Region, Progress Reports (I-VI) submitted to the King Abdulaziz City for Science and Technology, Riyadh (Research Project No. AR-17-7).
4. Ahmed Alfarhan, Jacob Thomas and Rajakrishnan, R. (2021). Impact assessment and management of invasive species in plant diversity centres and agriculture fields of Saudi Arabia. In Invasive Alien Species: Observations and Issues from Around the World, First Edition. Edited by T. Pullaiah and Michael R. Ielmini © 2021 John Wiley & Sons Ltd.

**Other Scientific works under review**

1. Ahmed H. Alfarhan; Turki, T.A. and Shalabi, N. Trees and shrubs of Saudi Arabia. (Under Preparation)

**Reports**

* 1. Vulnerability assessment and adaptation of Climatic change, Report submitted on behalf of the National Commission for wildlife Conservation and Development to United Nations Framework convention on Climatic Change (UNFCCC). 2005
  2. Important plant Areas of Arab Countries, A proposal for identifying and conserving botanically rich areas in the Arab Region. Report submitted to NCWCD on behalf of the Arab Plant Specialist Group, 2005
  3. Ahmed H. Alfarhan, Turki, T.A. and Basahy, A.Y. Flora of Jizan Region, Final Report (Research Project, funded by King Abdulaziz City for Science and Technology. 2005

**Publications**

1. Librado, P, Gamba, C, Gaunitz, C, Sarkissian, CD, Pruvost, M, Albrechtsen, A, Fages, A, Khan, N, Schubert, M, Jagannathan, V, Aitor Serres-Armero, Kuderna, LFK, Povolotskaya, IS, Seguin-Orlando, A, Lepetz, S, Neuditschko, M, Thèves, C, Alquraishi, S, Alfarhan, AH, Khaled Al-Rasheid, Rieder, S, Samashev, Z, Henri- Paul Francfort, Benecke, N, Hofreiter, M, Ludwig, A, Keyser, C, Tomas Marques- Bonet, Ludes, B, Crubézy, E, Leeb, T, Willerslev, E, Orlando, L .2017. Ancient genomic changes associated with domestication of the horse. SCIENCE. 356 (6336): 442-445. DOI: 10.1126/science.aam5298.

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