

CURRICULUM VITAE

SUAAD SALEH A. ALWAKEEL

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BIOGRAPHICAL DATA

GENDER: Female

NATIONALITY: Saudi

FIELD OF PRACTICE: Microbiology

EDUCATION

- 1984 Bachelors degree of Botany, Division of Biology, Department of Science, **Princess Nourah bint Abdulrahman University** (previously named the College of Education for Girls), **Riyadh, Saudi Arabia**
- 1989 Master Degree in Microbiology, Division of Biology – Botanical Sciences, Department of Science, **Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia**
- 1997 PhD in Microbiology, Division of Biology – Botanical Sciences, college of Science, **Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia**

TITLE OF MASTER RESEARCH:

A Study of Some Plants' Natural Chemical Products on Microbial Growth

TITLE OF PHD RESEARCH:

A Study to Evaluate the Potential Use of Rhizobacterial Strains for the Benefit of Plants in the Local Environment

PREVIOUS AND CURRENT EMPLOYMENT AND APPOINTMENTS

Teaching assistant	1984 — 1989
Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia	
Lecturer	1989 — 1993
Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia	
Assistant Professor of Microbiology	1999 — 2008
Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia	
Associate Professor of Microbiology	2008 — 2014

Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia	
Professor of Microbiology	2014 — Current
Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia	
Deputy Dean of Technical Affairs in the Deanship of Admissions	2009 — 2011
Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia	
Deputy Dean of the Department of Biology	2011-2017
Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia	
Secretary of the Departmental Board – Department of Biology	2011 — Current
Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia	
Member of the committee of research centers in colleges	2018-2019
Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia	
Reviewer of journal plant protection research	2018
institute of Plant Protection – National Research Institute, Poznań, Poland	
Reviewer of Journal Clinical Epidemiology And Global Health	2018-2020
Clinical Epidemiology and Global Health - Journal - Elsevier	
Scientific Council Committees - Permanent Committee for Faculty Hiring.	2018- Current
Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia	
Chair of the Scientific Publishing Council in the scientific council	2020- Current
Princess Nourah bint Abdulrahman University, Riyadh, Saudi Arabia	

MEMBERSHIP OF ORGANISATIONS AND SOCIETIES:

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| • American Society for Microbiology | USA |
| • Saudi Biological Society | SAUDI ARABIA |
| • Union of Arab Biologists | EGYPT |
| • The Mycological Society of America | USA |
| • BMS: The British Mycological Society | UK |

MEETINGS, CONFERENCES AND WORKSHOPS:

EVENT	ORGANIZER	YEAR
The Microbiology Society Annual Conference and will be held at	the ICC Belfast (formerly Belfast Waterfront), UK.	Monday 8 April – Thursday 11 April 2019

United Arab Emirates,

The 4th Middle East Molecular Biology Congress and Exhibition 2017 - Abu Dhabi, held at Zayed University Convention Center, Poster Presentation.	Zayed University	from 1st Nov to 4th Nov 2017
Fungi And their Enzymatic Role in the Biodegradation Of Natural and synthetic Polymers	Department of Botany and Microbiology, Faculty of Science, Assiut University, Moubasher Mycological Centre (AUMMC), Assiut,Egyp	13-17 / 3 2016
THE 1st SAUDI CONFERENCE FOR RESEARCH SUPPORT	King Abdulaziz City for Science and Technology (KACST)	2014
The 3 rd Saudi International Nanotechnology Conference 2014 (3SINC)	King Abdulaziz City for Science and Technology (KACST)	2014
Preparing courses and portfolio (15 hours) on the 21-23 of December 2014	Princess Nourah bint Abdulrahman University, The Deanship of Skills Development	2014
Best poster award for presenting the poster entitled at 3rd International Conference on Clinical Microbiology & Microbial Genomics September 24-26, 2014 Valencia, Spain	OMICS group conferences accelerating scientific discovery	SEPTEMBER 24-26, 2014
3rd International Conference on Clinical Microbiology & Microbial Genomics September 24-26, 2014 Valencia, Spain	OMICS Group International	2014
Training Program In Influential Presentations	Princess Nourah bint Abdulrahman University, The Deanship of Skills Development	2012
Saudi International Biotechnology Conference	King Abdulaziz City for Science and Technology (KACST)	2012
Course On Assessment Tools In Universities	Princess Nourah bint Abdulrahman University, Science Department	2012
Workshop On Improving Undergraduate Education Through Experimental Approaches To Teaching And Learning	Academic Leadership Development Workshop for Academic Deans and Departmental Chairs	2012
Workshop On Outstanding Performance And Methods Of Achieving Higher Achievement In Higher Education Institutions	Princess Nourah bint Abdulrahman University, The Deanship of Skills Development	2012

Course On Publishing In ISI Listed Journals	The Promising Research Center in Social Research and Women's Studies	2011
The First International Conference on Halal Food Control	The Saudi Food and Drug Administration (SFDA)	2011
Workshop on Essential Molecular Biology	Central Laboratory, King Saud University	2010
Workshop on Bridging Learning Management Systems (LMS)	The National Center for e-Learning and Distance Learning	2010
Workshop on Scientific Activities in E-Learning	The National Center for e-Learning and Distance Learning	2010
The 24 th Meeting of The Saudi Biological Society with the contribution “Characterization of Crude Oil–Degrading Microbial Population in Contaminated Arabian Gulf Soils” with K. F. Abed	The Saudi Biological Society	2009
The Saudi International Biotechnology Conference	National Agency for Scientific Research	2009
Research Skills Workshop	Institute of Diplomatic Studies	2008
The 23 rd Meeting of The Saudi Biological Society	The Saudi Biological Society	2008
Workshop on The Utilization Of Computers in the Food Manufacturing Plants	The Arab Center for Nutrition	2008
International Computer Driving License (ICDL) 4 th Edition	Princess Nourah bint Abdulrahman University	2008
English Language Course	Al Faisal International Academy	2008
Scientific Meeting of Environmental Pollution and Its Impact on Health	Princess Nourah bint Abdulrahman University, Science Department	2005

PUBLICATIONS:

1. Alsamhary, K., Al-Enazi, N. M., Alhomaidi, E., & Alwakeel, S. (2022). Spirulina platensis mediated biosynthesis of CuO Nps and

- photocatalytic degradation of toxic azo dye Congo red and kinetic studies. *Environmental Research*, 207, 112172.
2. Sonbol, H., Ameen, F., AlYahya, S., Almansob, A., & Alwakeel, S. (2021). Padina boryana mediated green synthesis of crystalline palladium nanoparticles as potential nanodrug against multidrug resistant bacteria and cancer cells. *Scientific reports*, 11(1), 1-19. <https://doi.org/10.1007/s13204-021-01940-2>
 3. Nasir, A., Rahim, K., Ameen, F., Ashraf, W., ur Rehman, A., Shehzad, F Asad ur Rehman¹, Faisal Shehzad⁴, Suaad S Alwakeel, Muhammad Khalid Mansoor & Hussian, F. (2021). Hepatitis C Virus and Helicobacter pylori infections in Patients with Pulmonary Tuberculosis: A Prevalence based study in Southern Punjab, Pakistan. *International Journal of Mycobacteriology*, 10(5), 45.
 4. Alwakeel, S. S., Ameen, F., Al Gwaiz, H., Sonbol, H., Alghamdi, S., Moharram, A. M., & Al-Bedak, O. A. (2021). Keratinases Produced by Aspergillus stelliformis, Aspergillus sydowii, and Fusarium brachygibbosum Isolated from Human Hair: Yield and Activity. *Journal of Fungi*, 7(6), 471.
 5. Sarika, K., Sampath, G., Govindarajan, R. K., Ameen, F., Alwakeel, S., Al Gwaiz, H. I., Komuraiah, T. R. & Ravi, G. (2021). Antimicrobial and antifungal activity of soil actinomycetes isolated from coal mine sites. *Saudi Journal of Biological Sciences*. <https://www.sciencedirect.com/science/article/pii/S1319562X2100200X>
 6. Sonbol, Hana, Fuad Ameen, Sami AlYahya, Abobakr Almansob, and Suaad Alwakeel. "Padina boryana mediated green synthesis of crystalline palladium nanoparticles as potential nanodrug against multidrug resistant bacteria and cancer cells." *Scientific reports* 11, no. 1 (2021): 5444. <https://doi.org/10.1038/s41598-021-84794-6>

7. Mohammed, A.E., Sonbol, H., Alwakeel, S.S. et al. Investigation of biological activity of soil fungal extracts and LC/MS-QTOF based metabolite profiling. *Sci Rep* 11, 4760 (2021).
<https://doi.org/10.1038/s41598-021-83556-8>
8. Ameen, F., AlYahya, S., Govarathanan, M., ALjahdali, N., Al-Enazi, N., Alsamhary, K., Alwakeel, S. S. & Alharbi, S. A. (2020). Soil bacteria *Cupriavidus* sp. mediates the extracellular synthesis of antibacterial silver nanoparticles. *Journal of Molecular Structure*, 1202, 127233.
9. Redhwan, A., Sonbol, H., Al Tami, M., Alotaibi, S., Alzahrani, S., ALanazi, M., Alwakeel, S & Ameen, F. (2021). MOLECULAR IDENTIFICATION OF AIRBORNE BACTERIA FROM METRO STATIONS IN RIYADH. *Fresenius Environmental Bulletin* Volume 30– No. 01/2021 pages 431-440
10. Alotaibi, M. O., Sonbol, H. S., Alwakeel, S. S., Suliman, R. S., Fodah, R. A., Abu Jaffal, A. S., AlOthman, N. I., & Mohammed, A. E. (2020). Microbial Diversity of Some Sabkha and Desert Sites in Saudi Arabia. *Saudi journal of biological sciences*, 27(10), 2778–2789. <https://doi.org/10.1016/j.sjbs.2020.06.038>
11. Al-Homaidan, A. A., Al-Ghanayem, A. A., Al-Qahtani, H. S., Al-Abbad, A. F., Alabdullatif, J. A., Alwakeel, S. S., & Ameen, F. (2020). Effect of sampling time on the heavy metal concentrations of brown algae: A bioindicator study on the Arabian Gulf coast. *Chemosphere*, 263, 127998.
12. Govarathanan, M., Ameen, F., Kamala-Kannan, S., Selvankumar, T., Almansob, A., Alwakeel, S. S., & Kim, W. (2020). Rapid biodegradation of chlorpyrifos by plant growth-promoting psychrophilic *Shewanella* sp. BT05: An eco-friendly approach to

clean up pesticide-contaminated environment. *Chemosphere*, 247, 125948. ,*Chemosphere* 247 (2020) 125948

13. Thirumalaisamy, R., Ameen, F., Subramanian, A., Selvankumar, T., **Alwakeel, S. S.**, & Govarthanan, M. (2020). In-vitro and in-silico anti-inflammatory activity of Lupeol isolated from *Crateva adansonii* and its hidden molecular mechanism. *International Journal of Peptide Research and Therapeutics*, 1-11.
14. **Suaad S. Alwakeel** , characterization of keratinophilic fungal species and other non-dermatophytes in hair and nail samples in riyadh, saudi arabia , *Ass. Univ. Bull. Environ. Res.* Vol. 21 No. 2 October 2018
15. **Alwakeel, S.S.**; Molecular identification of fungi isolated from coastal regions of Red Sea, Jeddah, Saudi Arabia., *Journal of the Association of Arab Universities for Basic and Applied Sciences* March 18, 2016., ISSN: 18153852 Source language: English., DOI: 10.1016/j.jaubas.2016.10.001., Document Type: Article in Press ., Publisher: University of Bahrain.
16. Mashael Bin-Mefrij and **Suaad Alwakeel**., The effect of fuel inhalation on the kidney and liver function and blood indices in gasoline station workers., *Advances In Natural And Applied Sciences*., 2017 January 11 ,page 45-49
17. **Suaad S. Alwakeel** , Microbiological and molecular identification of bacterial species isolated from nasal and oropharyngeal mucosa of fuel workers in Riyadh, Saudi Arabia, *Saudi Journal of Biological Sciences*. Available online 21 December 2015 <http://www.sciencedirect.com/science/article/pii/S1319562X15002922>
18. Tamadhori M. S. Alshaya, **Suaad S. Alwakeel**, Isolation and Identification of Bacterial and Fungal Species from Libraries and

College Library in Riyadh, Saudi Arabia. RESEARCH JOURNAL OF FISHERIES AND HYDROBIOLOGY 2016. 11(5): 1-6ISSN: 1816-9112 Journal home page: <http://www.aensiweb.com/JASA/>

19. Almutairi; T., Aldossary; A., Alshammari;A., **Alwakeel;S**(2014) . Investigations into the Microbial Contamination of Toothbrushes Isolated from Riyadh, Saudi Arabia. *Advances in Environmental Biology*, 8(7) May 2014, Pages: 2231-2235
20. Abo Alsamh; D. & Alwakeel S., (2014) Bacterial Contamination of Toys and Play Areas in Restaurants and Shopping Malls in Riyadh, Saudi Arabia. *Advances in Natural and Applied Sciences*, 8(9) August 2014, Pages: 90-93
21. **AlWakeel, S. S.** (2013). Molecular identification of isolated fungi from stored apples in Riyadh, Saudi Arabia. *Saudi Journal of Biological Sciences*, 20(4), 311-317.
22. **AlWakeel, S. S.** (2013). Isolation and Identification of Fungal and Bacterial Specimens from the Sand and Seawater of the Red Sea Coastline of Saudi Arabia. *Advances in Environmental Biology*, 7(8), 1366 - 1372.
23. **AlWakeel, S. S.**, & Nasser, L. A. (2011). Microbial Contamination and Mycotoxins from Nuts in Riyadh, Saudi Arabia. *American Journal of Food Technology*, 6(8), 613-630.
24. **Alwakeel S. Suaad** , (2011). Indoor Fungal and Bacterial Contaminations on Household Environment in Riyadh, Saudi Arabia *Saudi Journal of Biological Sciences* June, 2008 ,ISSN 1319-562 ,The Official Journal of the Saudi Biological Society [htt:www.saudibiosoc.c](http://www.saudibiosoc.c)
25. **AlWakeel, S. S.**, & Nasser, L. A. (2011). Indoor Terrestrial Fungi in Household Dust Samples in Riyadh, Saudi Arabia. *Microbiology Journal*, 1(1), 17-24.

26. **AlWakeel, S. S.**, & Nasser, L. A. (2011). Bacterial and Fungal Contamination of Saudi Arabian Paper Currency and Cell Phones. *Asian Journal of Biological Sciences*, 4(7), 556-562.
27. Bin-Mefrij, M. M., & **AlWakeel, S. S.** (2009). The effects of isolated mycotoxins from some herbal plants on histology of liver and kidney of female albino rats. *The Egyptian Journal of Experimental Biology*, 5(1), 449 - 455.
28. **AlWakeel, S. S.** (2009). The effect of mycotoxins found in some herbal plants on biochemical parameters in blood of female albino mice. *Pakistan Journal of Biological Sciences*, 12(8), 637-642.
29. **AlWakeel, S. S.**, & Al-Humaidi, E. A. H. (2008). Microbial growth and chemical analysis of mineral contents in bottled fruit juices and drinks in Riyadh, Saudi Arabia. *Research Journal of Microbiology*, 3(5), 319-325.
30. **AlWakeel, S. S.** (2008). Microbial and Heavy Metals Contamination of Herbal Medicines. *Research Journal of Microbiology*, 3(12), 683-691.
31. Kawther F. Abed and **Suaad S. Alwakeel**, Characterization Of Crude Oil–Degrading Microbial Population In Contaminated Arabian Gulf Soils ,N. Egyptian Journal of Biomedical Sciences,Vol.21, September,2008
32. **AlWakeel, S. S.** (2007). Bacterial and Aspergillus spp. Contamination of Domestic Kitchens in Riyadh, Saudi Arabia. *Saudi Journal of Biological Sciences*, 14(1), 1-6.
33. Abed, K. F., & **AlWakeel, S. S.** (2007). Mineral and Microbial Contents of Bottled and Tap Water in Riyadh, Saudi Arabia. *Middle east Journal of Scientific Research*, 2(3-4), 151-156.

34. **AlWakeel, S. S.** (2007). Bacterial Contamination Of Cosmetic Products : Branded Vs. Cheap Products. *Journal Of Environmental Sciences The University of Mansoura, Egypt*, 33(2), 1-12.
35. Abed, K. F., & **AlWakeel, S. S.** (2007). Isolation And Identification Of Some Pathogenic Microbes Form Supermarket Carts And Baskets In Riyadh, Saudi Arabia. *Journal Of Environmental Sciences The University of Mansoura, Egypt*, 32(4), 2805-2809.

PUBLISHED BOOK:

1. Hussam EL-Din Zaki Ismail , **Suaad Saleh Alwakeel**, BOOK Basic Principles of Biology(2016) ,ALRUSHD BOOK STOR

2. Hussam El-Din Zaki Hassan Ismail & Suaad Saleh Alwakeel Encyclopedia of Botany 2020

3. Yaqoob S., Riaz M., Shabbir A., Zia-Ul-Haq M., Alwakeel S.S., Bin-Jumah M. (2021) Commercialization and Marketing Potential of Carotenoids. In: Zia-Ul-Haq M., Dewanjee S., Riaz M. (eds) Carotenoids: Structure and Function in the Human Body. Springer, Cham. https://doi.org/10.1007/978-3-030-46459-2_27qs

4. Alwakeel S.S., Bin-Jumah M., Imam K., Moga M., Bigiu N. (2021) Carotenoids in Women and Infant Health. In: Zia-Ul-Haq M., Dewanjee S., Riaz M. (eds) Carotenoids: Structure and Function in the Human Body. Springer, Cham. http://doi.org/10.1007/978-3-030-46459-2_25

5. Bin-Jumah M., Alwakeel S.S., Moga M., Buvnariu L., Bigiu N., Zia-Ul-Haq M. (2021) Application of Carotenoids in Cosmetics. In: Zia-Ul-Haq M., Dewanjee S., Riaz M. (eds) Carotenoids: Structure and Function in the Human Body. Springer, Cham. https://doi.org/10.1007/978-3-030-46459-2_24

ORCID iD

PRESENTATIONS AT NATIONAL AND INTERNATIONAL CONFERENCES :

1. **AlWakeel, S. S., & Nasser, L. A. (2011). Bacterial and Fungal Contamination of Saudi Arabian Paper Currency and Cell Phones. Environmental Microbiology and Biotechnology in the frame of the Knowledge-Based Bio and Green Economy, Bologna, Italy. 10 - 12 April 2012.**
2. **AlWakeel, S. S., & Nasser, L. A. Indoor Terrestrial Fungi in Household Dust Samples in Riyadh, Saudi Arabia. 6th International Scientific Conference on Bioaerosols, Fungi, Bacteria, Mycotoxins in Indoor and Outdoor Environments and Human Health, Sarasota Springs, NY. 6 – 9 September 2011.**
3. **AlWakeel, S. S., & Nasser, L. A. Microbial Contamination and Mycotoxins from Nuts in Riyadh, Saudi Arabia. 9th International Mycological Congress (IMC9), Edinburgh, Scotland. 1 - 6 August 2010.**
4. **AlWakeel, S. S., Isolation and Identification of Fungal and Bacterial Specimens from the Sand and Seawater of the Red Sea Coastline of Saudi Arabia. 3rd International Conference on Clinical Microbiology & Microbial Genomics September 24-26, 2014 Valencia, Spain**
5. **Microbiological and molecular identification of bacterial species isolated from nasal and oropharyngeal mucosa of fuel workers in Riyadh, Saudi Arabia, The 4th Middle East Molecular Biology Congress and Exhibition 2017 - Abu Dhabi, held at Zayed University Convention Center, Poster Presentation. from 1st nov to 4th nov 2017**

6. Teaching Microbiology in Higher Education Symposium satellite meeting at the International Conference Centre (ICC) Belfast, UK, 07 April 2019.
7. Molecular identification of fungi isolated from coastal regions of Red Sea, Jeddah, Saudi Arabia , in Annual Conference 2019 at the ICC Belfast, UK 8–11 April
8. Characterization of keratinophilic fungal species and other non-dermatophytes in hair and nails samples in Riyadh, Saudi Arabia in Annual Conference 2019 at the ICC Belfast, UK 8–11 April
<https://www.microbiologyresearch.org/search?value1=Suaad+Alwakeel&option1=author&noRedirect=true>
9. Certificate of Participation for attending the eLearnit Virtual Conference "Navigating Through COVID-19 to Ensure Quality Learning" which took place on 9th – 11th June 20
10. The 21 st Scientific Forum for Hajj, Umrah and Madinah Visit Research 6-7 SHABAN ((1443H-2022)

links

1. <https://www.scopus.com/authid/detail.uri?authorId=24174257600>
2. <https://www.researchgate.net/profile/Suaad-Alwakeel-3>
3. <https://scholar.google.com/citations?hl=ar&user=AWH4WFkAAAJ>

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4. **ORCID Id** <https://orcid.org/0000-0001-5309-4360>

