

CURRICULUM VITAE

PERSONAL DATA

Name: Mona Soliman Al-Wahaibi
Academic Rank: Associate Professor
Nationality: Saudi Arabia
Languages: Arabic and English
Address: King Saud University, College of Science,
Botany and Microbiology Department,
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ACADEMIC QUALIFICATIONS

1. Ph.D. in Science, 2013, Botany and Microbiology Department, King Saud University, College of Sciences, Saudi Arabia, Molecular Plant Taxonomy. Thesis title "The genetic diversity of populations of *Heliotropium digynum* in the central region of the Kingdom of Saudi Arabia by using some Molecular and non- Molecular aspects".
2. M.Sc. in Science, 2008, Botany and Microbiology Department, King Saud University, College of Sciences, Saudi Arabia, Molecular Plant Taxonomy. Thesis title " Systematic Studies on the Species of the Genus *Heliotropium* (Boragineaceae) in Saudi Arabia".
3. B.Sc. in Science 1996, Botany and Microbiology Department, King Saud University, College of Sciences, Saudi Arabia.

EMPLOYMENT HISTORY

- 1- Associate Professor 20-1-2018, Botany and Microbiology Department, King Saud University, College of Sciences, Saudi Arabia
- 2- Assistant Professor 29-6-2013, Botany and Microbiology Department, King Saud University, College of Sciences, Saudi Arabia.

3- Lecturer, Botany and Microbiology Depar

ADMINISTRATIVE TASKS AND COMMITTEES

- 1- Assistant Vice Dean for Academic Affairs Vice, from 11/09/1440 Until now.
- 2- Head, Botany and Microbiology Department, King Saud University, College of Sciences, Saudi Arabia, from 05/07/1434 Until 07/05/1439.
- 3- Coordinator of Botany program in the department of Botany and Microbiology, from 05/07/1434 Until 07/05/1439.
- 4- Supervisor of external training for outstanding female students for the years 2016-2017 respectively.
- 5- Laboratories Unit reporter, College of Science in the University City for Female Students during the period 2018-1440 AH.
- 6- Purchases and equipment Committee Rapporteur of Botany and Microbiology department 2008-2013.
- 7- Graduate coordinator in the Department of Botany and Microbiology 2012-2016.
- 8- Member of the National Examination and Evaluation Center Board for the year 2009, 2010.
- 9- Quality residing supervisor in the affiliation testing center developed at Imam Muhammad bin Saud Islamic University in the period 26/6 / 1434-8 / 7/1434 AH.
- 10- Consultant in the Environmental Education Program of the Aramco Program, during the period 26/6 / 1434-8 / 7/1435 AH.
- 11- Chairman of the National Center for Measurement and Evaluation Committee (Qiyas) at the Ministry of Civil Service for the year 1436 AH.
- 12- Arbitrator in the Talent and Creativity Olympiad - Scientific Program - 06-7 February 2015.

- 13- Arbitrator in the Talent and Creativity Olympiad - Scientific Program - - 25-26 March 2016.
- 14- Arbitrator in the seventh conference for research - King Saud University - 7/2/1437 AH.
- 15- Head of the Summer Talent Program” mawhiba” (King Abdulaziz and His Companions Foundation for Giftedness and Creativity) 2015, 2016 and 2017, respectively.

RESEARCH INTERESTS

- 1- Molecular characterization of poisonous plants and medical particular
- 2- Reproductive biology of rare plants The reason for the propagation of endangered plants.
- 3- Conservation of natural resources

PUBLICATIONS

1. [Alwahibi](#) and Bukhary (2013): Anatomical study of four species of *Heliotropium* L. (Boraginaceae) from Saudi Arabia. *African Journal of Plant Science* Vol. 7(1), pp. 35-42.
2. [Alwahibi](#) and Bukhary (2013): Morphological variation in *Heliotropium digynum* growing in four locations of the central region of Saudi Arabia. *African Journal of Plant Science* Vol. 7(3), pp. 85-92.
3. Najat A. Bokhari, Kahkashan Perveen, Iffat Siddiqui, Iram Siddique, [Mona S. Wahibi](#) and Dina A. W. Soliman (2013): Antifungal Activity of *Citrullus colocynthis* against *Fusarium oxysporum*, *Alternaria alternata*, *Macrophomina phaseolina* and *Colletotrichum musae*. *Journal of Pure and Applied Microbiology* ISSN 0973-7510. Vol. 7(4), pp. 2981-2986.
4. Zohra H Messaitfa, Afaf I Shehata, Fahad El Quraini , Amal A Al Hazzani, Humaira Rizwana and [Mona S El wahabi](#) (2014): Proteomics analysis of salt stressed Sunflower (*Helianthus annuus*) Int. J. Pure App.Biosci . www.ijpab.com

5. Zohra H Messaitfa, Afaf I Shehata, Fahad El Quraini , Humaira Rizwana, Amal A Al Hazzani and [Mona S El wahabi](#) (2014): Genotypic of salt stressed sunflower (*Helianthus annuus*) Int. J. Pure App. Biosci. www.ijpab.com
6. Najat A. Bokhari, Iffat Siddiqui, Kahkashan Perveen, Iram Siddique, [Mona S. Alwahibi](#), Dina W.A. Soliman and Moodi Al-Subeie (2014): Potential of Different Parts of Neem (*Azadirachta indica*) Extracts in Controlling *Rhizoctonia solani* Infestation, *International Journal of Agriculture & Biology* ISSN 1560–8530, Vol. 16(3), pp. 639–643.
7. Iffat Siddiqui, Najat A. Bokhari, Kahkashan Perveen and [Mona S. Alwahibi](#) (2014): Phytochemicals of *Melia azedarach* Inhibiting the Growth of *Rhizoctonia solani*. *Journal of Pure and Applied Microbiology* ISSN 0973-7510. Vol. 8 (2) 9, pp. 1603-1609.
8. Kahkashan Perveen, Najat A. Bokhari, Iffat Siddiqui and [Mona S. Alwahibi](#) (2014): *Journal of Pure and Applied Microbiology* ISSN 0973-7510. Vol. 8 (4), 2129-2134.
9. Najat A. Bokhari, Iram Siddique, K. Perveen, I. Siddiqui and [M. S. Alwahibi](#) (2014): Synthetic Seed Production and Physio-Biochemical Studies in *Cassia angustifolia* vahl. - a medicinal plant. *Acta Biologica Hungarica* ISSN 0236-5383, Vol. 65 (3), 355–367
10. [Mona S. Alwhibi](#) and Dina A. Soliman (2014): Evaluating the Antibacterial Activity of Fenugreek (*Trigonella foenum-graecum*) Seed Extract against A Selection of Different Pathogenic Bacteria. *JOURNAL OF PURE & APPLIED MICROBIOLOGY*, Vol. 8(Spl. Edn. 2), p. 817-821
11. Hashem Abeer; Abd Allah Alqarawi; El didamony G; [Alwhibi Mona S](#), Egamberdieva A D and Ahmad P. (2014): Alleviation of adverse impact of salinity on Faba Bean (*Vicia faba* L.) by arbuscular mycorrhizal fungi. *Pak. J. Bot.*, 46(6): 4003-2011
12. Hashem Abeer; Abd Allah FF; Alqarawi AA; [Alwhibi Mona S](#); Alenazi M.M; Egamberdieva A D and Ahmad P (2015). Arbuscular mycorrhizal fungi mitigates NaCl induced adverse effects on *Solanum lycopersicum* L. *Pak. J. Bot.*, 47(1): 327-340
13. Elsayed Fathi Abd_Allah, Abeer Hashem, Abdulaziz Abdullah Alqarawi, Ali Hassan Bahkali, [Mona S. Alwhibi](#) (2015): Enhancing growth performance and systemic acquired resistance of medicinal plant *Sesbania sesban* (L.) Merr using arbuscular mycorrhizal fungi under salt stress. *Saudi Journal of Biological Sciences*, Volume 22, Issue 3, May 2015, Pages 274–283.

14. Manzer H. Siddiqui a,, Mutahhar Y. Al-Khaishany a , Mohammed A. Al-Qutami a , Mohamed H. Al-Whaibi a , Anil Grover b , Hayssam M. Ali a , **Mona Suliman AlWahibi** (2015): Morphological and physiological characterization of different genotypes of *faba bean* under heat stress. *Saudi Journal of Biological Sciences*, 22, 656–663.
15. Siddiqui, M. H., Al-Khaishany, M. Y., Al-Qutami, M. A., Al-Whaibi, M. H., Grover, A., Ali, H. M., ... & Bukhari, N. A. (2015). Response of different genotypes of faba bean plant to drought stress. *International Journal of Molecular Sciences*, 16(5), 10214-10227.
16. Manzer H. Siddiqui , Mutahhar Y. Al-Khaishany 1, Mohammed A. Al-Qutami 1, Mohamed H. Al-Whaibi 1, Anil Grover 2 , Hayssam M. Ali 1, **Mona S. Al-Wahibi** and Najat A. Bukhari (2015): Response of Different Genotypes of *Faba Bean* Plant to Drought Stress. *Int. J. Mol. Sci.* 2015, 16, 10214-10227
17. Hediat M. H. Salama and **Mona S. Al Whibi** (2016): Allelopathic effects of *Mesembryanthemum forsskalii* Hochst. ex Boiss. on seed germination and seedling growth of *Malva parviflora* L. and *Plantago ovata* Forssk. *European Journal of Biological Research*. 6 (2): 119-126
http://zenodo.org/record/51823#.V01e1ttY_z4
18. Humaira Rizwana, **Mona S. Alwhibi** and Dina A. Soliman (2016): Antimicrobial Activity and Chemical Composition of Flowers of *Matricaria aurea* a Native Herb of Saudi Arabia. *International Journal of Pharmacology*, 12 (6): 576-586.
19. **Mona S. Alwhibi** (2016): Characterization of seed storage protein patterns of *Heliotropium digynum*. *Saudi Journal of Biological Sciences*
<http://www.sciencedirect.com/science/article/pii/S1319562X16300882>
20. Manzer H. Siddiqui a , Saud A. Alamri a mMutahhar Y.Y. Al-Khaishany a, Mohammed A. Al-Qutami a, Hayssam M. Ali a, Mohamed H. Al-Whaibi am **Mona S. Al-Wahibi** a, Hesham F. Alharby b. (2016) Mitigation of adverse effects of heat stress on *Vicia faba* by exogenous application of magnesium. *Saudi Journal of Biological Sciences* xxx, xxx–xxx
21. <http://www.sciencedirect.com/science/article/pii/S1319562X16301206>
22. **MonaS.Alwhibi**, MahmoudI.M. Khalil, MohamedM.Ibrahim, GehanA.El-Gaaly, and AhmedS.Sultan (2017): Otential Antitumor Activity and Apoptosis Induction of *Glossostemon bruguieri* Root Extract against Hepatocellular Carcinoma Cells. *Hindawi Evidence-Based Complementary and Alternative Medicine*. Vol 2017(14p)
23. **MonaS.Alwhibi**; aAbeer Hashemab; Elsayed Fathi; Abd_Allah cAbdulaziz A.Alqaraw; Dina WafiK Soliman; Stephan Wirth; Dilfuza Egamberdieva.

- (2017). Increased resistance of drought by *Trichoderma harzianum* fungal treatment correlates with increased secondary metabolites and proline content. *Journal of Integrative Agriculture*. [Volume 16, Issue 8](#), , Pages 1751-1757.
24. **Mona Suliman Alwahibi**, Kahkashan Perveen (2017): Chemical analysis by GC-MS and in vitro antibacterial activity of *Alkanna tinctoria* extracts against skin infection causing bacteria. *Biomedical Research*; 28 (18): 7946-7949.
 25. H. Rizwana; **Mona. S. Alwhibi**; F. Khan and D. A. Soliman (2018): Chemical composition and antimicrobial activity of *Eruca sativa* seeds against pathogenic bacteria and fungi. *The Journal of Animal & Plant Sciences*, 26(6): 1859-1871.
 26. **Mona S. Alwhibi**; Bashaer Al Otaibi; Sarah Al Harbi; Aljwahrah Aljulefi, Alaa Aldosari (2018): Plant Diversity in the King Saud University Female Campus. *International Journal of Science and Research (IJSR)*. p 1066-1072.
 27. **Alwhibi, M. S.**, Soliman, D. A., Awad, M. A., Rizwana, H., & Marraiki, N. A. (2018). Biosynthesis of Silver Nanoparticles Using Fenugreek Seed Extract and Evaluation of Their Antifungal and Antibacterial Activities. *Journal of Computational and Theoretical Nanoscience*, 15(4), 1255-1260.
 28. A. Khalofah, N.A. Bokhari, H.M. Migdadi, **M.S. Alwahibi** (2019): Antioxidant responses and the role of *Moringa oleifera* leaf extract for mitigation of cadmium stressed *Lepidium sativum* L. *South African Journal of Botan*, In Press.
 29. Luluah M. Al Masoudi, Najat A. Bukhari and **Mona Al Wahibi** (2019): Pollen Morphological Study on Some Species of *Kickxia*, *Scrophularia* in Relation to *Plantago* from Saudi Arabia. *Arabian Journal for Science and Engineering*. ISSN 2193-567X, DOI 10.1007/s13369-019-04147-4.
 30. SALMEN, S. H. – **ALWHIBI, M. S.** – ALHARBI, S. A. (2019): Characterization and antibacterial activity of silver nanoparticles biosynthesized using (*Indigofera oblongifolia*) leaves extract. *Applied ecology and environmental research*: 17(6):12869-12876.
 31. Alawaadh, A. A., Dewir, Y. H., **Alwhibi, M. S.**, Aldubai, A. A., El-Hendawy, S., & Naidoo, Y. (2020). Micropropagation of Lacy Tree *Philodendron* (*Philodendron bipinnatifidum* Schott ex Endl.). *HortScience*, 55(3), 294-299.
 32. Zainab, B., Ayaz, Z., **Alwhibi, M. S.**, Khan, S., Rizwana, H., Soliman, D. W., & Abbasi, A. M. (2020). In-silico elucidation of *Moringa oleifera* phytochemicals against Diabetes Mellitus. *Saudi Journal of Biological Sciences*.
 33. Albasher, G., Al Kahtani, S., **Alwahibi, M. S.**, & Almeer, R. (2020). Effect of *Moringa oleifera* Lam. methanolic extract on lead-induced oxidative stress-mediated hepatic damage and inflammation in rats. *Environmental Science and Pollution Research*, 1-11.

34. **Mona S. Alawhibi**, Moodi S. AlSubeie, Najat A. Bukhari, Dina A. Soliman (2020): Molecular Characterization of *Haloxylon salicornicum* Moq. in Saudi Arabia. Saudi Journal of Biological Sciences.

CONFERENCES:

1. International Conference on Chemical, Environmental and Biological Sciences IICBE-Dubai March 17-18, 2014
2. International union of Microbiological societies Congress July 27- August 1, 2014
3. 2nd International Conference on Substantial Environmental Engineering- -ICSEE 2015, Hong Kong August 27-28, 2015
4. Global Conference on Plant Science and Microbial Ecology. June 17-19, 2019 Valencia, Spain

MEMBERSHIP OF SOCIETIES :

1. Saudi Society for Applied Sciences
2. Saudi Biological Society
3. Botanical Society of America

TEACHING EXPERIENCE

- 1- 1998-2008 teaching the practical part of the decisions of Botany and Microbiology Department (General Botany, the basics of plant classification, classification workout, plant environmental factors, enzymes and metabolism of the plant, Plant Physiology)
- 2- 2008 until now teaching theoretical courses in the specialty of Botany.

ADMINISTRATIVE TASKS AND COMMITTEES

- 1- 18/12/1439 until now, Assistant Vice Dean for Academic Affairs
- 2- 05/07/1434 -05/07/1439, Vice Head, Botany and Microbiology Department, King Saud University, College of Sciences.
- 3- 2008-2013 Rapporteur of the Committee procurement and devices in the department.

- 4- 2012 -2016, Coordinator of Graduate Department Studies
- 5- 2013- 2018 Coordinator of Botany program department.
- 6- An arbitrator in the creativity Olympiad of the scientific program of the Maowhibah program February 6-7 .2015
- 7- An arbitrator in the creativity Olympiad of the scientific program of the Maowhibah program Mar 25-26 .2016
- 8- An arbitrator in the creativity Olympiad of the scientific program of the Maowhibah program Mar 9-10 .2017
- 9- Chair of the National Center for Assessment in Higher Education Test (Qiyas) in the Ministry of Civil Service in 1435-1436h
- 10- Consultant in the environmental education program of the Aramco since 2012-2015.
- 11- Quality supervisor, a resident at the center of quality tests Affiliation Developer University of Imam Muhammad bin Saud Islamic University. in the period 26/6/1434-8/7/1434.
- 12- Overseer external summer training for students 2016 ans 2017.

The students are under my supervision

#	Thesis Title (PhD)	Student name	situation
1.	Analysis of micro RNA gene expression and antioxidant defense mechanisms as a strategy for acclimatization with abiotic stresses in wheat plant	Amal Algarawi	Co-Supervisor
2.	Taxonomic and Phylogenetic of the species of <i>Kickxia</i> Genus in Saudi Arabia	Lulua Almasaoudi	Co-Supervisor
3.	Physiological and Molecular Strategies of <i>Moringa oleifera</i> Lam to Tolerance of <i>Lepidium Sativum</i> L. Under Cadmium Stress.	Ahlam Khalofah	Co-Supervisor
4.	Composition and distribution of weed species and their relationship to soil factors in olive and palm plantations in Tabuk Saudi Arabia	Seham Aalblwi	Main Supervisor
5.	Characterization and purification of xylanase	Amirah Alqahtani	Co-

	enzyme produced from fungi isolated from the soil of Jeddah city Saudi Arabia		Supervisor
6.	Molecular characterization of <i>Trichoderma spp</i> that promote plant growth in some regions of Saudi Arabia	Aishah Alwadaai	Co-Supervisor

#	Thesis Title (Master)	Degree	situation
1.	Assessment of genetic variation within and among some species of <i>Artemisia L</i> Asteraceae using morphological cytological and molecular markers	Amal Alajmi	Co- Supervisor
2.	Molecular Characterization and Evaluation of Bioactive Natural Products of Some Medicinal plants in Saudi Arabia	Salma Almansi	Main Supervisor
3.	Molecular Characterization and Antimicrobial Activity on some Asclepiadaceae species in Saudi Arabia	Alanoud Almoumi	Main Supervisor
4.	In vitro propagation and genetic fidelity of <i>Philodendron selloum</i>	Asma AL-awadh	Main Supervisor
5.	Morphological and Molecular characterization of <i>Lavandula L ssp</i> Lamiaceae in Saudi Arabia	Bouthinah Alrasheed	Main Supervisor
6.	Ecophysiological Responses of <i>Calligonum comosum</i> LHerit Exposed to Salinity and alkalinity stresses	Amnah Alshahwan	Co- Supervisor
7.	Comparison the effect of different levels of normal and Nano compound fertilizer NPK on the physiological and anatomical characteristics of two <i>Sesamum indicum L.</i> cultivars	Faten Algadri	Co- Supervisor