- *2000 - 2008*: Laboratory Technician in AL-Aqsa specialized hospital– Hodeidah, Yemen
- *2004 -2008*: Lecturer for Hematology and Parasitology in High institute for Health sciences Hodeidah branch, Yemen.
- *2004-2008*: Lecturer for Hematology and Parasitology courses in community college for medical science and technology, Hodeidah, Yemen.
- *2003 - 2005*: Lecturer for Hematology, Blood bank, Histology courses in University of Science & Technology Hodeidah branch, Yemen.

❖ Languages

❖ **English:** Very Good.
❖ **Arabic:** Mother Language.
❖ **Bahasa:** pass

❖ Professional Affiliation/Membership (Organization), (Role), (Year), (Level)

- Malaysian National Product Society (MNPS), Member, (NO: B0244) 2013-present, (National).
- Malaysian Society of Pharmacology and Physiology (MSPP) (MSPP/M/0008/2017). 2017-Now.
- Diagnostic Medical Laboratory Syndicate, Member, 2005-2009, (National).
- Health Development Council, Hodeidah, Yemen, Member, 2015-present, (National)

❖ Editorial and Reviewer duties

❖ Academic editor

- International Journal of Biochemistry Research & Review
- Frontiers in public health
- Sana'a University Journal of Medical and Health Sciences

❖ Reviewer of the following journals:-

- Medicina
- Italian Journal of Animal Science
- Scientific Reports
- Nutrients
- Pharmaceuticals
- Frontiers in public health
- Current Drug Targets
- Herbal Medicine
- British Microbiology Research Journal
- International Journal of Tropical Disease & Health
- Immunopharmacology And Immunotoxicology
- Journal of Applied Toxicology
- Drug and Chemical Toxicology
- Pathogens
- Antibiotics
- Journal of Herbal Medicine
- Natural Product Research
- European Food Research and Technology
- Electronic Journal of General Medicine

❖ References

Prof. Dr. Narazah Mohammed Yousof Deputy Dean for research at Advanced Medical and Dental Institute, Universiti Sains Malaysia, Malaysia **Expertise:** Haematology/ Transfusion medicine/ Clinical Genetics, Pharmacogenomics. **Tel. No. +604-5622395** **Mobile: +6019-9389958** **E-mail: narazah@usm.my**	**Prof. Dr. Mohammed Abdullah Alshawsh** School of Clinical Sciences, Faculty of Medicine, Nursing and Health Sciences, Monash University, Clayton, VIC, Australia **Tel. No. +61401005783** **E mail: mohammed.alshawsh@monash.edu**
Prof. Dr. Vikneswaran Murugaiyah Deputy Dean Research, Postgraduates, School of Pharmaceutical Sciences, Universiti Sains **Malaysia, Malaysia** **Phone: +6046534583** **Mobile No. +60124643214** **Email: vicky@usm.my**	**Prof. Dr. Ramzi Ahmed Mothana** Department of Pharmacognosy, College of Pharmacy, King Saud University, Riyadh 11451, Saudi Arabia **Mobile No. +966502002042** **Email : rmothana@ksu.edu.sa**

69) Saghir, S. A. M., Al-Hassan, F. M., Alsalahi, O. S., Manaf, F. S. A., & Baqir, H. S. (2012). Optimization of the storage conditions for coagulation screening tests. *J Coll Phys Surg Pak*, *22*, 294-297.

❖ Published books:

1- Sultan Ayesh Mohammed Saghir (2011).Optimization of storage conditions for coagulation screening tests. *LAP LAMBERT Academic Publishing*, Germany, ISBN: 978-3-8473-2079-1.

❖ Awards:

- Certificate from UNIVERSITY SAINS MALAYSIA as one of the recognized recipient of SANGGAR SANJUNG AWARD Hadiah sanjungan for the year 2022.
- Certificate from UNIVERSITY SAINS MALAYSIA as one of the recognized recipient of Hadiah Sanjungan for Excellent Achievement in Journal Publication during my study (12/ 2018).
- Excellent student: 1st Yemeni Mega Festival for Honoring Graduates and Excellent Students 2017.
- Best Presenter: International Conference on Natural Products (ICNP, 2017), Swiss-Garden Beach Resort Damai Laut, Lumut, Perak Darul Ridzuan, Malaysia**.**

❖ Conferences

- *28-31 May 2021*: Middle East and North Africa Hematology congress
- *24-28 October 2019* in Antalya, Turkey. Oral presentation In vivo Antioxidant and Enzymatic Activities Underlying the Antihyperlipidemic Effect of 50% Methanolic Fraction of *Gynura procumbens* .
- *15-16th March 2017*: Oral presentation, (Best Presenter), International Conference on Natural Products (ICNP), Swiss-Garden Beach Resort Damai Laut, Lumut, Perak Darul Ridzuan, Malaysia
- *15-17th March 2016*: Oral presentation, International Conference on Natural Products (ICNP), Permai Hotel, KualaTerengganu, Malaysia.
- *6th -8th January 2014*: Oral presentation, 18th Biological Science Graduate Congress, at University of Malaya, Kuala Lumpur, Malaysia.
- *4-6 March 2013*: International Conference on Natural Products (ICNP), Shah Alam, Convention center, Selangor, Malaysia.
- *8th -10th November 2012*: 17th Biological Science Graduate Congress, at Chulalongkorn University, Bangkok, Thailand.
- *29th Nov-1stDec 2010*: A Certificate of paricipation with poster in 1st AMDI International Biohealth Science conferenc (IBSC 2010), University Sains Malaysia, Malaysia.
- *2Oth May 2010*: A Certificate of Attendance in 4th AMDI Postgraduate Scientific Seminar, University Sains Malaysia, Malaysia.
- *6th-7th October 2009*: A Certificate of Attendance in 2nd AMDI National Seminar on Transfusion Medicine &General Haematology, University Sains Malaysia, Malaysia.
- *3th -4th August 2009* : A Certificate of Attendance in 1st AMDI National Seminar on stem cell &Regenerative Medicine. University Sains Malaysia, Malaysia.
- *05-1998:* A Certificate in Active Participation in Scientific Week –Sana'a University.

❖ Experience / Career

- *Semester II (2013/2014)*: Peripheral nervous system and therapy, basic pharmacology and biochemistry, endocrine system and metabolism, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- *Semester I (2013/2014)*: Basic physiology, respiratory, renal, blood system and therapy, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- *Semester II (2012/2013)*: Basic pharmacology, biochemistry, central nervous system and Therapy, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- *Semester I (2012/2013)*: Basic physiology, respiratory, renal, blood system and therapy, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- *Semester II (2011/2012)*: Basic pharmacology, biochemistry, central nervous system and Therapy, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- *Semester I (2011/2012)*: Basic physiology, respiratory, renal, blood system and therapy, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- *2004- 2008*: A head of Laboratory Department in Dar-Al- Salam Hospital –Hodeidah, Yemen.
- *1999- 2006*: A head of Laboratory Department in Military hospital- Hodeidah, Yemen.

52) Salhi, N., Saghir, M., Ayesh, S., Terzi, V., Brahmi, I., Ghedairi, N., & Bissati, S. (2017). Antifungal Activity of Aqueous Extracts of Some Dominant Algerian Medicinal Plants. BioMed research international, 2017.

53) Alhariri, Abdullah, Faiz Daud, Amer Almaiman & Sultan Ayesh Mohammed Saghir (2017). Factors associated with adherence to diet and exercise among type 2 diabetes patients in Yemen. *Diabetes Management,* 7(3), 264-271.

54) Zarzour, A., Hamdan, R., Ahmad, M., Asmawi, M. Z., Kaur, G., Saeed, M. A. A., Sultan Ayesh Mohammed Saghir & Yam, M. F. (2017). *Phyllanthus Niruri* Standardized Extract Alleviates the Progression of Non-Alcoholic Fatty Liver Disease and Decreases Atherosclerotic Risk in Sprague–Dawley Rats. *Nutrients*, *9*(7), 766.

55) Al-wajeeh, A. S., Ismail, M. N., Salhimi, S. M., Khalid, I. A., Saghir, S. A. M., Alsayrafi, M., & Latiff, A. B. A. (2017). Identification of Glycobiomarker Candidates for Breast Cancer Using LTQ-Orbitrap Fusion Technique. *International Journal of Pharmacology*, *13*(5), 425-437.

56) Loiy E. Ahmed Hassan,Saad S. Dahham,Sultan Ayesh Mohammed Saghir,AbdelhafezM. A. Mohammed,Nagla M. Eltayeb,Amin Malik Shah Abdul Majid andAman Shah Abdul Majid (2016). Chemotherapeutic potentials of the stem bark of Balanite aegyptiaca (L.) Delile: an antiangiogenic, antitumor and antioxidant agent. BMC Complementary and Alternative Medicine.DOI: 10.1186/s12906-016-1369-5.

57) Christapher, P. V., Parasuraman, S., Raj, P. V., Saghir, S. A. M., Asmawi, M. Z., & Vikneswaran, M. (2016). Influence of extracting solvent on pharmacological activity and cytotoxicity of *Polygonum minus*, a commonly consumed herb in Southeast Asia. *Pharmacognosy Magazine*, *12*(47): 424-445.

58) Saghir, S. A., Sadikun, A., Al-Suede, F. S., Abdul, M. A., & Murugaiyah, V. (2016). Antihyperlipidemic, antioxidant and cytotoxic activities of methanolic and aqueous extracts of different parts of star fruit. *Current Pharmaceutical Biotechnology*. 17(10): 915-925.

59) Amer Abdulrahman Almaiman, Rasedee Abdullah, Ahmad bin Abdul, Zeenathul Allauddin, Eltayeb EM. Eid, Sultan Ayesh Mohammed Saghir (2016). Proteomic profiles of acute myeloid leukaemia; an update review. *Tropical Journal of Pharmaceutical Research* 15 (7): 1569-1578.

60) Al-Salahi, O. S. A., Saghir, S. A. M., Bashanfer, S., Abdulghani, M. A. M., Almaiman, A. A., Mohammed, M. A., & El-Khateeb, M. S. (2016). Autoantibodies in Type 1 Diabetes Mellitus Patients and Theirs Siblings in Taiz, Yemen; A Hospital Based Study. *British Biomedical Bulletin*, 4(2), 055-064.

61) Dahham, S., S., Ahamed, M., B, K., Saghir, S A M., M., Alsuede, F., S., Iqbal, A., M. & Majid, A., M., S., A (2014). Bioactive essential oils from *Aquilaria crassna* for cancer prevention and treatment. *Global Journal on Advences in Applied Sciences*., 04, 26-31.

62) Dahham, S. S., Majid, A. M. S. A., & Saghir, S. M *(*2014). Antibacterial, Antifungal and Antioxidant Activities of. *Aquilaria crasna International Journal of Advances in Science and Technology*; 2348-5426.

63) Amro, S. A. B., Zaabi, E. A., Hussain, S., Aly, A. M., Baqir, H. S., Zaki, A. H. & Yusoff, N. M. (2014). Molecular Characterization of Glucose-6-Phosphate Dehydrogenase Deficiency in Abu Dhabi District, United Arab Emirates.*Tropical Journal of Pharmaceutical Research*, *13*(5), 731-737.

64) Saghir, S. A. M., Revadigar, V., & Murugaiyah, V. (2014). Natural lipid-lowering agents and their effects: an update. *European Food Research and Technology*, *238*(5), 705-725.

65) Sultan Ayesh Mohammed Saghir, Amirin bin Sadikun, Vikneswaran Murugaiyah. Star Fruit (*Averrhoa carambola* L.): from traditional uses to Pharmacological activities. (2013). Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromáticas 12 (3): 209 – 219.

66) Al-Salahi, O. S. A., Kit-Lam, C., Majid, A. M. S. A., Al-Suede, F. S. R., Mohammed Saghir, S. A., Abdullah, W. Z., & Yusoff, N. M. (2013). Anti-angiogenic quassinoid-rich fraction from *Eurycoma longifoli* modulates endothelial cell function. *Microvascular research*, *90*, 30-39.

67) Sulaiman, A. M., Saghir, S. A. M, Al-Hassan, F. M., Yusoff, N. M., & Zaki, A. H. (2013). Molecular Characterization of Glucose-6-Phosphate Dehydrogenase Deficiency in a University Community in Malaysia. *Tropical Journal of Pharmaceutical Research*, *12*(3), 363-367.

68) Saghir, S. A. M., Al–Hassan, F. M., Alsalahi, O. S. A., Alhariry, A. A., & Baqir, H. S. (2012). Frequencies of HBV, HCV, HIV, and syphilis markers among blood donors: a hospital-based study in Hodeidah, Yemen. *Tropical Journal of Pharmaceutical Research*, *11*(1), 132-136.

37) Abd El-Hack, M. E., El-Saadony, M. T., Shafi, M. E., Alshahrani, O. A., Saghir, S. A., Al-Wajeeh, A. S & Abdel-Moneim, A. M. E. (2021). Prebiotics can restrict Salmonella populations in poultry: a review. Animal Biotechnology, 1-10.

38) Murugesu, K., Saghir, S. A. M., Sadikun, A., Khaw, K. Y., & Murugaiyah, V. (2020). Exploiting column chemistry for chromatographic separation and quantification of caffeoylquinic acids in Gynura procumbens. Acta Chromatographica. https://doi.org/10.1556/1326.2020.00690.

39) Abdelnour, S. A., El-Saadony, M. T., Saghir, S. A. M., Abd El-Hack, M. E., Al-shargi, O. Y. A., Al-Gabri, N., & Salama, A. (2020). Mitigating negative impacts of heat stress in growing rabbits via dietary prodigiosin supplementation. Livestock Science, 240, 104220.

40) Abukhalil, M. H., Hussein, O. E., Bin-Jumah, M., Saghir, S. A., Germoush, M. O., Elgebaly, H. A & Kamel, E. M. (2020). Farnesol attenuates oxidative stress and liver injury and modulates fatty acid synthase and acetyl-CoA carboxylase in high cholesterol-fed rats. Environmental Science and Pollution Research, 1-15.

41) Amer A. Almaiman, Elsayed i. Elagamy, Osama al wutayd, Mohammed almarzuqi, Sulaiman H. Almaiman, Abeer Alsaikhan, Rayyan Alzunaidi, Eltayeb E.M. Eid, Sultan Ayesh Mohammed Saghir (2020). Association of Obesity with ABO Blood Groups in Blood Donors. International Medical Journal, 25, 1, 235.

42) Saghir, S. A., Alharbi, S. A., Al-Garadi, M. A., Al-Gabri, N., Rady, H. Y., Olama, N. K. & Mahmoud, A. M. (2020). Curcumin Prevents Cyclophosphamide-Induced Lung Injury in Rats by Suppressing Oxidative Stress and Apoptosis. *Processes*, *8*(2), 127.

43) Saghir, S. A., Al-Gabri, N. A., Khafaga, A. F., El-shaer, N. H., Alhumaidh, K. A., Elsadek, M. F & Abd El-Hack, M. E. (2019). Thymoquinone-PLGA-PVA Nanoparticles Ameliorate Bleomycin-Induced Pulmonary Fibrosis in Rats via Regulation of Inflammatory Cytokines and iNOS Signaling. Animals, 9(11), 951.

44) Aladaileh, S. H., Hussein, O. E., Abukhalil, M. H., Saghir, S. A., Bin-Jumah, M., Alfwuaires, M. A & Mahmoud, A. M. (2019). Formononetin Upregulates Nrf2/HO-1 Signaling and Prevents Oxidative Stress, Inflammation, and Kidney Injury in Methotrexate-Induced Rats. *Antioxidants*, *8*(10), 430.

45) Saleem H. Aladaileh, Sultan A. M. Saghir, Kisantini Murugesu, Amirin Sadikun, Ashfaq Ahmad, Gurjeet Kaur, Ayman M. Mahmoud and Vikneswaran Murugaiyah (2019) . Antihyperlipidemic and antioxidant effects of *Averrhoa carambola* extract in high fat diet-fed rats. Biomedicine, 7, 72; doi:10.3390/biomedicines7030072.

46) Aladaileh, S. H., Abukhalil, M. H., Saghir, S. A., Hanieh, H., Alfwuaires, M. A., Almaiman, A. A., ... & Mahmoud, A. M. (2019). Galangin Activates Nrf2 Signaling and Attenuates Oxidative Damage, Inflammation, and Apoptosis in a Rat Model of Cyclophosphamide-Induced Hepatotoxicity. Biomolecules, 9(8), 346.

47) Saghir, S. A., Alhariri, A. E., Alkubati, S. A., Almiamn, A. A., Aladaileh, S. H., & Alyousefi, N. A. (2019). Factors associated with poor glycemic control among type-2 diabetes mellitus patients in Yemen. Tropical Journal of Pharmaceutical Research, 18(7).

48) Sultan A.M. Saghir, Amer A. Almaiman, Aishah K.A. Shatar, Norris Naim, Huda S. Baqir (2018). HemoCue against Coulter LH-750 in the estimation of hemoglobin levels of blood donors in mobile collection settings: a comparative study. Medical Journal of Indonesia;27:250–5

49) Saeed, M. A. A., Memon, A. H., Ridzuan, M. S., Hamil, H. K. B., Saghir, S. A. M., Kaur, G & Ismail, Z. (2018). Toxicity evaluation of standardized and nanoliposomal extracts of Labisia pumila whole plant (Blume, Myrsinaceae) in Sprague Dawley rats. Tropical Journal of Pharmaceutical Research, 17(8), 1557-1564.

50) Abdulrahman Ali Mohammed Zabad, Sultan Ayesh Mohammed Saghir, Anwar Kassem Al-Madhagi, Khaled Abdulkarim Al-Moyed (2018). Acinetobacter baumannii complex and its antibiotics susceptibility in selected hospital's intensive care units at Sana'a city-Yemen. Global Advanced Research Journal of Microbiology 7, 048-056.

51) Kisantini Murugesu, Vikneswaran Murugaiyah, Sultan Ayesh Mohammed Saghir, Mohd. Zaini Asmawi, Amirin Sadikun (2018). Caffeoylquinic Acids Rich versus Poor Fractions of Gynura procumbens: Their Comparative Antihyperlipidemic and Antioxidant Potential. *Current Pharmaceutical Biotechnology.* 19, DOI : 10.2174/1389201019666180322111800.

23) Al-Sayaghi, A. M., Al-Kabsi, A. M., Abduh, M. S., Saghir, S. A. M. & Alshawsh, M. A. 2022. Antibacterial Mechanism of Action of Two Types of Honey against Escherichia coli through Interfering with Bacterial Membrane Permeability, Inhibiting Proteins, and Inducing Bacterial DNA Damage. Antibiotics, 11, 1182.

24) Saghir, S.A.M., Abdulghani, M.A.M., Alruhaimi, R.S. et al. Acute and sub-chronic toxicological evaluation of *Averrhoa carambola* leaves in Sprague Dawley rats. Environ Sci Pollut Res (2022). I.F. (5.19).

25) El-Bab, A. F. F., Saghir, S. A., El-Naser, I. A. A., El-Kheir, S. M., Abdel-Kader, M. F., Alruhaimi, R. S & El-Raghi, A. A. (2022). The Effect of Dietary Saccharomyces cerevisiae on Growth Performance, Oxidative Status, and Immune Response of Sea Bream (Sparus aurata). Life, 12(7), 1013.

26) Alkubati, S. A., Saghir, S. A., Alhariri, A., Al-Areefi, M., Al-Sayaghi, K. M., Alsabri, M & Albagawi, B. S. (2022). Prevalence of antibiotic resident bacteria in intensive care units at Hodeida City, Yemen. Journal of Applied Pharmaceutical Science.

27) Abu-Yamin, A. A., Abduh, M. S., Saghir, S. A. M., & Al-Gabri, N. (2022). Synthesis, Characterization and Biological Activities of New Schiff Base Compound and Its Lanthanide Complexes. Pharmaceuticals, 15(4), 454.

28) Alshawsh, M. A., Alsalahi, A., Alshehade, S. A., Saghir, S. A. M., Ahmeda, A. F., Al Zarzour, R. H., & Mahmoud, A. M. (2022). A Comparison of the Gene Expression Profiles of Non-Alcoholic Fatty Liver Disease between Animal Models of a High-Fat Diet and Methionine-Choline-Deficient Diet. Molecules, 27(3), 858.

29) Al-Gabri, N., Elnagar, G. M., Saghir, S. A., El-Shaibany, A., Alnomasy, S. F., Althafar, Z. M. & Yosri, M. (2022). Preliminary Study of Gastroprotective Effect of Aloe perryi and Date Palm Extracts on Pyloric Ligation-Induced Gastric Ulcer in Experimental Rats. BioMed Research International, 2022.

30) Alshawsh, M. A., Alsalahi, A., Alshehade, S. A., Saghir, S. A. M., Ahmeda, A. F., Zarzour, A., ... & Mahmoud, A. M. (2022). A Comparison of the Gene Expression Profiles of Non-Alcoholic Fatty Liver Disease between Animal Models of a High-Fat Diet and Methionine-Choline-Deficient Diet. Molecules, 27(3), 858.

31) Alkubati, Sameer A., Saghir, Sultan A. M., Al-Sayaghi, Khaled M., Alhariri, Abdullah and Al-Areefi, Mahmoud. "Healthcare workers' knowledge of evidence-based guidelines for prevention of ventilator-associated pneumonia in Hodeida, Yemen" Journal of Basic and Clinical Physiology and Pharmacology, vol. , no. , 2021, pp. 000010151520200388. https://doi.org/10.1515/jbcpp-2020-0388.

32) Abukhalil, M. H., Hussein, O. E., Aladaileh, S. H., Althunibat, O. Y., Al-Amarat, W., Saghir, S. A., & Mahmoud, A. M. (2021). Visnagin prevents isoproterenol-induced myocardial injury by attenuating oxidative stress and inflammation and upregulating Nrf2 signaling in rats. Journal of Biochemical and Molecular Toxicology, e22906.

33) Al-Gabri, N. A., Saghir, S. A., Al-Hashedi, S. A., El-Far, A. H., Khafaga, A. F., Swelum, A. A., & El-Tarabily, K. A. (2021). Therapeutic Potential of Thymoquinone and Its Nanoformulations in Pulmonary Injury: A Comprehensive Review. International Journal of Nanomedicine, 16, 5117.

34) Sultan A. M. Saghir, Naif A. Al-Gabri, Abdelmoniem A. Ali, Al-Sayed R. Al-Attar, Mosa`d AL-Sobarry,Omar Y. A. Al-shargi, Amal Alotaibi, Mohammed Al-zharani, Fahd A. Nasr, Nader Al-Balagi, Mahfoudh A. M. Abdulghani, Sulaiman M. Alnaimat, Osama Y. Althunibat, Ayman M. Mahmoud. Ameliorative Effect of Thymoquinone-Loaded PLGA Nanoparticles on Chronic Lung Injury Induced by Repetitive Intratracheal Instillation of Lipopolysaccharide in Rats. Oxidative Medicine and Cellular Longevity. 2021 (accepted) ISI (5.076).

35) Saghir SAM, AlGabri NA, Alagawany MM, Attia YA, Alyileili SR, Elnesr SS, Shafi ME, Al-shargi OYA, Al-balagi N, Alwajeeh AS, Alsalahi OS, Patra AK, Khafaga AF, Negida A, Noreldin A, Al-Amarat W, Almaiman AA, El-Tarabily KA, Abd El-Hack ME. Chloroquine and Hydroxychloroquine for the Prevention and Treatment of COVID-19: A Fiction, Hope or Hype? An Updated Review. Ther Clin Risk Manag. 2021;17:371-387.

36) Amir M. Al Hroob, Sultan A. M. Saghir, Amer A. Almaiman, Omar S. A. Alsalahi, Abdullah S. Al-Wajeeh, Omar Y. A. Al-Shargi, Nader Al-Balagi and Ayman M. Mahmoud (2020). Prevalence and Association of Transfusion Transmitted Infections with ABO and Rh Blood Groups among Blood Donors at the National Blood Bank, Amman, Jordan. Medicina 2020, 56(12), 701.

profiles of Staphylococcus aureus isolates against frequently used antibiotics at private sector laboratories in Jordan. Iran J Microbiol. 20 5 Apr;17(2):229-238.

9) Obaid, J. M., Saghir, S. A., Al-Hroob, A. M., Mohammed, S. A., Ola'a, A. M., Alhomamy, A. A., & Al-Qodaimi, E. A. (2024). Increased expression of ABO blood group antigens secretion phenotype with O blood group and age advances. Saudi Medical Journal, 45(10), 1064.

10) Saghir, S. A., Al Hroob, A. M., Al-Tarawni, A. H., Abdulghani, M. A., Tabana, Y., Aldhalmi, A. K., & Al-Yousef, H. M. (2024). Effect of *Lactiplantibacillus plantarum* on the growth, hemato-biochemical, inflammation, apoptosis, oxidative stress markers, involved gens and histopathological alterations in growing rabbits challenged with aflatoxin B1. Poultry Science, 103(9), 104002.

11) Jastaniah, S. D., Mansour, A. A., Al-Tarawni, A. H., El-Haroun, E., Munir, M. B., Saghir, S. A. M., & Eissa, E. S. H. (2024). The effects of nano-curcumin on growth performance, feed utilization, blood biochemistry, disease resistance, and gene expression in European seabass (Dicentrarchus labrax) fingerlings. Aquaculture Reports, 36, 102034.

12) Alghonmeen, R. D., Dmour, S. M., Saghir, S. A., Abushattal, S., Alnaimat, S., Al-Zharani, M., ... & Althunibat, O. Y. (2024). Anti-MRSA and cytotoxic activities of different solvent extracts from Artemisia herba-alba grown in Shubak, Jordan. Open Veterinary Journal, 14(4), 990.

13) Qaralleh, H., Saghir, S. A. M., Al-Limoun, M. O., Dmor, S. M., Khleifat, K., Al-Ahmad, B. E. M., ... & Alqahtani, A. M. (2024). Effect of *Matricaria aurea* Essential Oils on Biofilm Development, Virulence Factors and Quorum Sensing-Dependent Genes of Pseudomonas aeruginosa. Pharmaceuticals, 17(3), 386.

14) Dmour, S. M., Mohammed Saghir, S. A., Abushattal, S., Qaralleh, H., Alnaimat, S. M., Al-Jaafreh, A. M., & Almajali, I. S. (2024). Biological activities and chemical composition of essential oil isolated from Artemisia herba-alba. Electronic Journal of General Medicine, 21(1).

15) Abduh, M. S., Saghir, S. A. M., Al-Gabri, N. A., Ahmeda, A. F., Abdelkarim, M., Aldaqal, S. M., & Alshawsh, M. A. (2023). Interleukin-35 and Thymoquinone nanoparticle-based intervention for liver protection against paracetamol-induced liver injury in rats. *Saudi Journal of Biological Sciences*, *30*(10), 103806.

16) Saghir, S. A. M. (2023). A new insight updates in diagnosis and management of acute lymphoblastic leukemia, cytogenetics, immunophenotyping, and proteomic profile. Electronic Journal of General Medicine, 20(5).

17) Hasanat, H. A. H., Saghir, S. A. M., & Al-Areefi, M. (2023). Hematological and biochemical parameter changes among healthy individuals infected with COVID-19 according to sex and age: A hospital based study. Electronic Journal of General Medicine, 20(5), em527. https://doi.org/10.29333/ejgm/13468

18) Saghir, S. A., Alnaimat, S. M., Dmour, S. M., Al-Tarawni, A. H., Abdelnour, S. A., Ahmeda, A. F., & Lindequist, U. (2023). The ameliorative effect of bergamot oil nano-emulsion in stressed rabbit bucks: influence on blood biochemical parameters, redox status, immunity indices, inflammation markers, semen quality, testicular changes and the expression of HSPs genes. Saudi Pharmaceutical Journal.

19) Abduh, M. S., Saghir, S. A., Al Hroob, A. M., Bin-Ammar, A., Al-Tarawni, A. H., Murugaiyah, V., & Mahmoud, A. M. (2023). *Averrhoa carambola* leaves prevent dyslipidemia and oxidative stress in a rat model of poloxamer-407-induced acute hyperlipidemia. *Frontiers in Pharmacology*, *14*, 1134812.

20) Sultan A.M. Saghir, Amir M. Al Hroob, Kamlah A. Majrashi, Fatima A. Jaber, Maisa S. Abduh, Naif Al-Gabri, Najah M. Albaqami, Sameh A. Abdelnour, Abdulmohsen H. Alqhtani, Mohamed E. Abd El-Hack, Ayman A. Swelum & Jesus Simal-Gandara. (2023). Effects of alginates on the growth, haematological, immunity, antioxidantand pro-inflammatory responses of rabbits under high temperature. Research in Veterinary Science; 0034-5288: https://doi.org/10.1016/j.rvsc.2023.01.002.

21) Althunibat, O. Y., Saghir, S. A. M., Aladaileh, S. H., & Rawadieh, A. (2023). The impact of weight loss diet programs on anemia, nutrient deficiencies, and organ dysfunction markers among university female students: A cross-sectional study. Electron J Gen Med. 2023; 20 (1): em436.

22) Althunibat, O. Y., Saghir, S. A. M., Aladaileh, S. H., Alrawadeh, A., Al-Areefi, M., Alghonmeen, R. D & Obaidat, H. M. (2022). Distribution and association of weight-loss diet programs with body mass index and health status among students at Al-Hussein Bin Talal University, Jordan. Electron J Gen Med. 2022; 19 (6): em414.

- **Supervision on master students:-**
- Thesis titled: Exploring the effect of COVID-19 on hematological and biochemical markers among healthy people infected with COVID-19 patients; a hospital based study, Jordan.
- **Evaluator for promotions to an associate professors for the following universities:-**
- Jibla University for Medical & Health Sciences, Yemen.
- Taiz University. Yemen.
- Sana`a university, Faculty of Medicine and Health Sciences, Yemen.
- 21 University, Sana`a Yemen.

- **Evaluator of master thesis:-**
- Assessment of Sex Hormones and Iron Status in Acute Leukemia Patients: A Cross-Sectional Study
- Investigation of IRF4/MYC Network Suppression and Apoptosis-Related Gene Expression in MM.1S Cells Treated with Pomalidomide and Panobinostat.
- Methylation Status of HOXA4 Gene in Patients with Polycythemia Vera in Jordanian Population
- Utility of Glycosylated Albumin in studying the association between Iron deficiency anemia and HemoglobinA1c levels among individuals.
- Prevalence of Multidrug-Resistant *Acinetobacter baumannii* and It's Molecular Characterization in Hospitalized Patients in a Governmental Hospital in Irbid, Jordan
- Resistance Profiles of *Staphylococcus aureus* Isolates against Frequently Used Antibiotics at Private Sector Laboratories in Jordan.
- Prevalence of Multidrug-resistant *Acinetobacter baumannii* and It's Molecular Characterization in Hospitalized Patients in a Governmental Hospital in Irbid, Jordan.
- Molecular Characterization of Cytomegalovirus in patients with Hematopoietic Stem Cell Transplants in Jordan.

❖ Publications

- **Published papers in refereed journals:-**
- **Google scholar: https://scholar.google.com/citations?user=gvrGv-AAAAAJ&hl=en**
  H index: 27, total citation 2405 till 21/9/2026.
- **ResearchGate: https://www.researchgate.net/profile/Sultan_Saghir**
  Total citation 2,173

1) Saghir, S. A. M., Domour, S. M., & Abushattal, S. (2026). Assessment of the efficacy of diosmin against methicillin-resistant *Staphylococcus aureus* and the underlying mechanism of action. Electron J Gen Med. 2026; 23 (4): em746. Electronic Journal of General Medicine.

2) Abduh, M. S., Saghir, S. A. M., Al-Hroob, A. M., Ahmeda, A. F., Aldaqal, S. M., & Alshawsh, M. A. (2026). *Taraxacum officinale* extract mitigates heat stress-induced oxidative, inflammatory and immune dysfunctions in rabbits. Italian Journal of Animal Science, 25(1), 719-732.

3) Al Hashedi, S. A., Dmour, S. M., Galut, H. S., Alsheikh, A. D. I., Abukhalil, M. H., Ma'aitah, S. & Saghir, S. A. (2026). Myricetin as a potential therapeutic agent against *Pseudomonas aeruginosa*: inhibition of biofilm formation, quorum sensing, and virulence factor production. Biofouling, 42(4), 429-445.

4) Matar, S., Abu-Yamin, A. A., Taher, D., Saraerah, I. A., Salman, M., Saghir, S. A & Elrashidi, A. (2026). Synthesis, characterization, and biological activities of two new pyrazole Schiff base derivatives. Scientific Reports.

5) Saghir, S. A. M., Al Hroob, A. M., Alshehade, S. A., Alnaimat, S., Al Yousfi, N. A., Al-Rawashdeh, S. A. B & Alshawsh, M. A. (2025). Proteomic approaches for biomarker discovery and clinical applications in autoimmune diseases. Clinica Chimica Acta, 120533.

6) Dmour, S. M., Abushattal, S., Saghir, S. A. M., Alnaimat, S. M., Qaralleh, H., Al-Jaafreh, A. M. & Alsbou, E. M. (2025). Phytochemical Composition, Antibacterial, and Antioxidant Properties of *Foeniculum vulgare* Essential Oil. *OnLine Journal of Biological Sciences*, *25*(3), 617-626. https://doi.org/10.3844/ojbsci.2025.617.626

7) Saghir, S. A. M. (2025). An update on the proteomic and molecular diagnosis and treatment of syphilis; A blood-transmitted disease. Microbial Biosystems, 10(2).

8) Al-Groom R, Al-Saraireh G, Mohammed Saghir SA, Ahmad Khan MS, Almanaseer AM, Alswalha L, Alraei W, Al-Haijaa DA, Hdaib M, Da'meh A, Burjaq SZ, Al-Dmour O, Alhawarat F. Resistance

• Administrative Positions

- Head of the Physiotherapy Department (2025–Present).
- Chair of the Committee for Establishing the Bachelor's Program in Physiotherapy.
- Member of the University Council (2022–2024), and currently serving as a member (2026–Present).
- Member of the College Strategic Plan Updating Committee (Since 2023).
- Chair of the Committee for Updating and Developing the Procedural Manual for the Medical Laboratory Sciences Program (2022–Present).
- Member of the Committee for Establishing a Master's Program in Medical Laboratory Sciences (2023–2025).
- Member of the College Council, Faculty of Allied Medical Sciences (2025–Present).
- Member of the College Council, Faculty of Nursing and Health Sciences (2023–2025).
- Member of the Appointment and Promotion Committee (2018–now).
- Member of the Training and Qualification Committee for Graduates (2018–Present).
- Member of the Qualification Mapping Committee at the Faculty Level.
- Member of the Scientific, Academic Promotion, and Transfer Committees at both departmental and faculty levels 2018-now.
- Member of the Medical Laboratories Committee for training and hospitals (2020–2026).
- Evaluator and external reviewer for academic promotion applications at numerous national and international universities.

❖ New courses regarding the online teaching process

- ✓ 10-18/3/2019: Important and required fundamentals in the teaching process.
- ✓ 7-15/4/2019: Electronic questionnaire design and analysis
- ✓ 17-18/8/2020: International workshop in Quality Assurance in Learning and Distance Education: Requirements, Challenges and Hopes
- ✓ 15-17/3/2021: Management of university classrooms and recent trends in teaching process

❖ Short Courses and Workshops in Varied Fields

- *7th* October 2015: Understanding Proteolysis in Disease-from the University to the Marketplace, seminar, University Sains Malaysia, Penang, Malaysia.
- *4th-6th August 2015*: Contributed as a facilitator in the workshop on the use of animal in science (ETHICAL AND PRACTICAL CONSIDERATIONS), School of pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- *12th – 16th January 2015*: As a member of health development council, Hodeidah, Yemen, we attend the study visit on emergency obstetric care in Malaysia by officials from Ministry of Public Health & Population, Yemen.
- *30th September 2014*: 1st USM International Diabetes Awareness, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- *2nd & 3rd September 2014*: ''Powerlab System Workshop for Teaching & Research'' School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- 4th January 2014: Statistical and data analysis workshop, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- *8th -9th January 2013*: Contributed as a facilitator in the workshop on the use of animal in science (ETHICAL AND PRACTICAL CONSIDERATIONS), School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- *18th-20th December 2012*: Course on Scientific Paper Writing Workshop under supervision of MOSTI NUCLEAR MALAYSIA AGENCY; INFORM, University Sains Malaysia, Penang, Malaysia.
- *31st July 2012*: 1st International Postgraduate Quran Recitation & Memorization Competition University Sains Malaysia, Penang, Malaysia.
- *14th-15th September 2011*: Contributed as a facilitator in the workshop on the use of animal in science (ETHICAL AND PRACTICAL CONSIDERATIONS), School of pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- *5th-11th November 2008*: Training Course in diagnosis and management of Tuberculosis
- *23rd 24th June 2007*: Training Course in operating system for sysmex kx-21 instrument (Hematology) from Roche Company, Hodeidah, Yemen.
- *1st March- 1th September 1999*: Excellent period in Kuwait Hospital - Sana'a.

❖ Dr. Sultan Ayesh Mohammed Saghir (Professor)



❖ Personal Information

Name: Sultan Ayesh Mohammed Saghir
Date & place of birth: 01-01-1976, Hodeidah, Yemen
Address: Al-Hussein Bin Talal University, Ma`an, Jordan
Marital status: Married with four children
Mobile: 00962781877702
E-mail: sultan.S.Ayesh@ahu.edu.jo or sultan_a1976@yahoo.com

❖ Summary

With more than 16 years of experience in teaching, professional practice, and research experience. I have developed strong expertise in teaching, as well as in designing, coordinating, and managing research projects. My excellent communication, public relations, problem-solving, and leadership skills together with my strong commitment to research-enable me to be a highly effective lecturer and researcher. I actively contribute to creating a positive, dynamic learning environment and build strong, productive professional relationships, which motivates me to work enthusiastically with others to achieve planned objectives.

❖ Education

2015: **PhD in Hematology**: University Sains Malaysia, Malaysia
2011: **Master in Hematology (Transfusion Science):** Advanced Medical and Dental Institute , University Sains Malaysia, Malaysia
1998: **Bachelor in Medical Laboratories Sciences**: Faculty of Medicine & Healthy Science, Sana'a University, Yemen

- **Post-doctorate Fellow** at School of Pharmaceutical Sciences, University Sains Malaysia from January 2016 – June 2017.
- **Assistant professor** at Eman Biodicovery Laboratory in Malaysia from 1/7/2017 – 10/2/2018.

❖ Teaching Interest

1- Hematology 2- Blood bank 3- Immunology 4- Pathology
5- Parasitology 6- Quality control 7- Histology 8-Pharmacology 9- Physiology

❖ (Feb 2018-present): I am working as an associate professor at Department of Medical Analysis, Faculty of Allied Medical Sciences, Al-Hussein Bin Talal University, Ma`an, Jordan.

❖ On 30/12/2025, I have promoted to **Professor in Hematology.**

❖ Areas of expertise

- Hematology research on prothrombin time and activated partial thromboplastin time.
- Immunohematology researches in different scopes.
- Exploring the prevalence rates of transfusion transmitted infections.
- Studying the effects of various plants on hematological and biochemical parameters.
- Exploring the effects of COVID-19 on hematological and biochemical parameters.
- Traditional Medicine and Natural Product (Pharmacotherapeutics of natural product, anti-obesity, anti-hyperlipidemic, antioxidant, hepatoprotective studies, standardization of marker compounds using HPLC) (2011-now).
- Therapeutics (*In vivo* animal models and *In vitro* cell culture drug testing).
- Toxicology (acute, sub-chronic and chronic toxicity).
- Gene expression and real time PCR.
- Epidemiological studies to explore the prevalence rates of hepatitis B, C and HIV viruses and syphilis among blood donors in different hospitals at Yemen.
- Cancer research on natural products and elucidation of their mechanism of action.