

## ❖ Dr. Sultan Ayesh Mohammed Saghir (Associate Professor)

### ❖ Personal Information

**Name:** Sultan Ayesh Mohammed Saghir  
**Date & place of birth:** 01-01-1976, Hodeidah, Yemen  
**Address:** Department of Medical Analysis, Princess Aisha Bint Al-Hussein, College of Nursing and Medical Sciences, Al-Hussein Bin Talal University, Ma'an, Jordan.  
**Marital status:** Married with four children  
**Mobile:** 00962781877702  
**E-mail:** [Sultan.S.Ayesh@ahu.edu.jo](mailto:Sultan.S.Ayesh@ahu.edu.jo) or [sultan\\_a1976@yahoo.com](mailto:sultan_a1976@yahoo.com)



### ❖ Summary

With over than 15 years' experience in teaching and practices and about eleven years' experience in research, I have very good skills and experiences in teaching, designing and coordinating research projects. My outstanding communication, public relations, problem-solving and leadership skills, as well as my strong interest in research, make me a highly valuable lecturer, researcher as well as in promoting a positive and dynamic learning environment and help me in developing good and fast relationship with others and that drives me to work more enthusiastically with them in achieving the planed targets.

### ❖ Education

- 2015: PhD in Hematology** University Sains Malaysia, Malaysia
- 2011: Master in Hematology (Transfusion Science)** – Advanced Medical and Dental Institute (AMDI), University Sains Malaysia, Malaysia
- 1998: Bachelor in Medical Laboratories** – 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 Biodicoverly Laboratory in Malaysia from 1/7/2017 – 10/2/2018.**

### ❖ Teaching Interest

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

❖ **(Feb 2018-present):** I am working as an associate professor at Department of Medical Analysis, Princess Aisha Bint Al-Hussein College of Nursing and Medical Sciences, Al-Hussein Bin Talal University, Ma'an, Jordan.

### ❖ Areas of expertise

- Hematology research on prothrombin time and activated partial thromboplastin time.
- 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) (2011-2015).
- 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.

### ❖ **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**

- **7<sup>th</sup> October 2015:** Understanding Proteolysis in Disease-from the University to the Marketplace, seminar, University Sains Malaysia, Penang, Malaysia.
- **4<sup>th</sup>-6<sup>th</sup> 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.
- **12<sup>th</sup> – 16<sup>th</sup> 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.
- **30<sup>th</sup> September 2014:** 1<sup>st</sup> USM International Diabetes Awareness, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- **2<sup>nd</sup> & 3<sup>rd</sup> September 2014:** “Powerlab System Workshop for Teaching & Research” School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- **4<sup>th</sup> January 2014:** Statistical and data analysis workshop, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia.
- **8<sup>th</sup> -9<sup>th</sup> 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.
- **18<sup>th</sup>-20<sup>th</sup> December 2012:** Course on Scientific Paper Writing Workshop under supervision of MOSTI NUCLEAR MALAYSIA AGENCY; INFORM, University Sains Malaysia, Penang, Malaysia.
- **31<sup>st</sup> July 2012:** 1<sup>st</sup> International Postgraduate Quran Recitation & Memorization Competition University Sains Malaysia, Penang, Malaysia.
- **14<sup>th</sup>-15<sup>th</sup> 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.
- **5<sup>th</sup>-11<sup>th</sup> November 2008:** Training Course in diagnosis and management of Tuberculosis
- **23<sup>rd</sup> 24<sup>th</sup> June 2007:** Training Course in operating system for sysmex kx-21 instrument (Hematology) from Roche Company, Hodeidah, Yemen.
- **1<sup>st</sup> March- 1<sup>th</sup> September 1999:** Excellent period in Kuwait Hospital - Sana'a.

## ○ **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.

## ○ **Examiner of master students:-**

- Utility of Glycosylated Albumin in studying the association between Iron deficiency anemia and HemoglobinA1c levels among individuals.
- Detection of FLT3 Internal Tandem Duplication in Acute Myeloid Leukemia patients.

## ❖ **Publications**

### ● **Published papers in refereed journals:-**

- **Google scholar:** <https://scholar.google.com/citations?user=gvrGv-AAAAAJ&hl=en>

H index: **22**, total citation **1444**.

- **ResearchGate:** [https://www.researchgate.net/profile/Sultan\\_Saghir](https://www.researchgate.net/profile/Sultan_Saghir)

H index **21**, total citation **1,245**.

- 1) **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.
- 2) 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.
- 3) Qaralleh, H., **Saghir, S. A. M.**, Al-Limoun, M. O., Dmour, 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.
- 4) 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).
- 5) 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.
- 6) **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).
- 7) 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>
- 8) **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*.
- 9) 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.

- 10) **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, antioxidant and pro-inflammatory responses of rabbits under high temperature. *Research in Veterinary Science*; 0034-5288: <https://doi.org/10.1016/j.rvsc.2023.01.002>.
- 11) 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.
- 12) 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.
- 13) 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.
- 14) **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). <https://doi.org/10.1007/s11356-022-22019-7>. I.F. (5.19).
- 15) 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.
- 16) 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*.
- 17) 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.
- 18) 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.
- 19) 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.
- 20) 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.
- 21) 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>.
- 22) 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.
- 23) 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.

- 24) **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)**.
- 25) **Saghir SAM**, AlGabri NA, Alagawany MM, Attia YA, Alyileili SR, Elnesr SS, Shafi ME, Al-shargi OYA, Al-balagi N, Alwajeih 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.
- 26) Amir M. Al Hroob, **Sultan A. M. Saghir**, Amer A. Almaiman, Omar S. A. Alsalahi, Abdullah S. Al-Wajeih, 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.
- 27) Abd El-Hack, M. E., El-Saadony, M. T., Shafi, M. E., Alshahrani, O. A., **Saghir, S. A.**, Al-Wajeih, A. S & Abdel-Moneim, A. M. E. (2021). Prebiotics can restrict Salmonella populations in poultry: a review. *Animal Biotechnology*, 1-10.
- 28) 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>.
- 29) 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.
- 30) 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.
- 31) 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.
- 32) **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.
- 33) **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.
- 34) 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.
- 35) 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.
- 36) 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.



- 37) **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).
- 38) **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
- 39) 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.
- 40) 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.
- 41) 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.
- 42) 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.
- 43) 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.
- 44) 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.
- 45) 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.
- 46) Loiy E. Ahmed Hassan, Saad S. Dahham, Sultan Ayesh Mohammed Saghir, Abdelhafez M. A. Mohammed, Nagla M. Eltayeb, Amin Malik Shah Abdul Majid and Aman 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.
- 47) Christopher, 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.
- 48) **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.
- 49) 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.
- 50) 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 Their Siblings in Taiz, Yemen; A Hospital Based Study. *British Biomedical Bulletin*, 4(2), 055-064.
- 51) 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 Advances in Applied Sciences.*, 04, 26-31.

- 52) 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.
- 53) 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.
- 54) **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.
- 55) **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.
- 56) 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 longifolia* modulates endothelial cell function. *Microvascular research*, 90, 30-39.
- 57) 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.
- 58) **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.
- 59) **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 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* .
- **15-16<sup>th</sup> March 2017:** Oral presentation, (**Best Presenter**), International Conference on Natural Products (ICNP), Swiss-Garden Beach Resort Damai Laut, Lumut, Perak Darul Ridzuan, Malaysia
- **15-17<sup>th</sup> March 2016:** Oral presentation, International Conference on Natural Products (ICNP), Permai Hotel, KualaTerengganu, Malaysia.
- **6<sup>th</sup> -8<sup>th</sup> January 2014:** Oral presentation, 18<sup>th</sup> 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.
- **8<sup>th</sup> -10<sup>th</sup> November 2012:** 17<sup>th</sup> Biological Science Graduate Congress, at Chulalongkorn University, Bangkok, Thailand.
- **29<sup>th</sup> Nov-1<sup>st</sup> Dec 2010:** A Certificate of participation with poster in 1<sup>st</sup> AMDI International Biohealth Science conferenc (IBSC 2010), University Sains Malaysia, Malaysia.

- **20<sup>th</sup> May 2010:** A Certificate of Attendance in 4<sup>th</sup> AMDI Postgraduate Scientific Seminar, University Sains Malaysia, Malaysia.
- **6<sup>th</sup>-7<sup>th</sup> October 2009:** A Certificate of Attendance in 2<sup>nd</sup> AMDI National Seminar on Transfusion Medicine & General Haematology, University Sains Malaysia, Malaysia.
- **3<sup>th</sup>-4<sup>th</sup> August 2009 :** A Certificate of Attendance in 1<sup>st</sup> 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.
- **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
- ❖ **Reviewer of the following journals:-**
  - Nutrients



- Pathogens
- Antibiotics
- Frontiers in public health
- Journal of Herbal Medicine
- Current Drug Targets
- Natural Product Research
- Archives of Gerontology and Geriatrics
- European Food Research and Technology
- Journal of Applied Pharmaceutical Science
- British Microbiology Research Journal
- Electronic Journal of General Medicine
- International Journal of Tropical Disease & Health
- BMC Complementary and Alternative Medicine

## ❖ References

<p><b>Prof. Dr. Narazah Mohammed Yousof</b> 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 Fax. No. +604 5622349 Mobile: +6019-9389958 E-mail: <a href="mailto:narazah@usm.my">narazah@usm.my</a></p>	<p><b>Prof. Dr. Mohammed Abdullah Mahdi Alshawsh</b> Department of Pharmacology, Faculty of Medicine, University Malaya, Malaysia Tel. No. +61401005783 E mail: <a href="mailto:mohammed.alshawsh@monash.edu">mohammed.alshawsh@monash.edu</a></p>
<p><b>Prof. Dr. Vikneswaran Murugaiyah</b> Deputy Dean Research, Postgraduates, School of Pharmaceutical Sciences, Universiti Sains Malaysia, Malaysia Phone: +6046534583 Fax: +6046570017 Mobile No. +60124643214 Email: <a href="mailto:vicky@usm.my">vicky@usm.my</a></p>	<p><b>Prof. Dr. Mahfoudh Abdulghani Al-Musali</b> Faculty of health and Medical Sciences University of science and technology, Yemen.. Mobile No. +967 771597532 Email : <a href="mailto:mahfouz08@gmail.com">mahfouz08@gmail.com</a></p>