

Professor Taghreed Abdulaziz Hafiz

B.Sc. (1st Honor), MSc (with Distinction), PhD Tropical Medicine

Primary Work and Contact Address:

Clinical Laboratory Sciences Department
College of Applied Medical Sciences
King Saud University
P.O.Box: 10219 Riyadh 111433
Kingdom of Saudi Arabia
Mobile no# +966506954226
E.Mail: thafiz@ksu.edu.sa

Areas of Interests:

My research interests revolve around infectious diseases, the emergence of resistant strains, and the effect of using natural products as alternative medications.

Educational Qualifications:

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| 2010 – 2013 | PhD in Tropical Medicine , Liverpool School of Tropical Medicine, University of Liverpool, United Kingdom. |
| 2008 – 2009 | MSc degree with Distinction in Medical Microbiology, Liverpool School of Tropical Medicine, University of Liverpool, United Kingdom. |
| 2001 – 2006 | 1st Honor BSc degree in Laboratory Medicine , Faculty of Applied Medical Sciences, Umm Al-Qura'a University, Saudi Arabia |

Employment History:

2024 – Present	Professor of Molecular and Clinical Microbiology, College of Applied Medical Sciences, King Saud University, Saudi Arabia.
2019 – Present	Consultant of Molecular Microbiology, Saudi Commission for Health Specialties.
2020 – Present	A reviewer of the NCAAA Accreditation panel, The National Center for Academic Accreditation and Evaluation.
2019 – 2024	Associate Professor in Molecular and Clinical Microbiology, College of Applied Medical Sciences, King Saud University, Saudi Arabia.
2017 – 2019	Vice Dean of Female Student Affairs, College of Nursing, King Saud University, Saudi Arabia.
2016 – 2017	Chairman of Maternity and Pediatric Health Nursing, College of Nursing, King Saud University, Saudi Arabia.
2013 – 2019	Assistant Professor in Clinical Laboratory Sciences, College of Applied Medical Sciences, King Saud University, Saudi Arabia.
2009 – 2013	Teaching Assistant in Clinical Laboratory Sciences, College of Applied Medical Sciences, King Saud University, Saudi Arabia.
2006 – 2007	Teaching Assistant in Clinical Laboratory Sciences, College of Health, Ministry of Health, Saudi Arabia.

Saudi Commission for Health Specialties Assignments:

2022 – Present	A head of Microbiology committee, SLLE council
2022 – Present	A member on Saudi specialist laboratory license exam (SLLE) council
2019 – Present	A certified item author for SLLE
2019 – Present	Consultant of Molecular Microbiology

National Center for Academic Accreditation and Evaluation (NCAAA) Assignments:

Dec 2023	A member of an accreditation review panel of BSc Medical Laboratory program, at Shaqraa University
Oct 2023	A member of an accreditation review panel of BSc Medical Laboratory program at North Border University
Jan 2023	A member of an accreditation review panel of BSc Medical Laboratory program, Private Fakeeh college
Jan 2023	A member of an accreditation review panel of BSc Medical Laboratory program, Al-Majmmah University

Oct 2022	A member of an accreditation review panel of BSc Laboratory Medicine program, UQU
May 2022	A member of an accreditation review panel of BSc Laboratory Medicine program, Al-Baha University
Nov 2021	A member of an accreditation review panel of Medical Laboratory program, PSMCHS
Oct 2020	An observer on an accreditation review panel of Medical Laboratory Technology Program, KAU

College of Applied Medical Sciences Assignment:

2014 – 2016 Coordinator of Community Service and Continual Education Unit.

Clinical Laboratory Sciences Department Assignments:

2013 – 2014	Head of CLS Laboratories Committee (Female section)
2014 – 2016	Member of CLS Community Service Committee.
2014 – 2015	Member of CLS Appointments Committee.
2014 – Present	Member of CLS department council.
2015 – 2016	Member of CLS post-graduate studies Committee.
2019 – Present	Member of CLS PhD and Research Committee.
2019 – 2020	Member of CLS Academic Plans and Curriculum Development Committee

College of Nursing Assignment:

2016 – 2019	Vice Dean of Female Student Affairs, College of Nursing
2016 – 2017	Chairperson of Maternity and pediatric health nursing department
2016 – 2019	Member of Nursing Appointments Committee.
2016 – 2019	Member of Nursing college council.

Maternity and pediatric health nursing Department Assignment:

2016 – 2017	Member of Nursing Appointments Committee.
2016 – 2017	Chairperson of Maternity and pediatric health nursing department council
2016 – 2017	Member of Nursing post-graduate studies Committee.

Teaching:

BSc courses:

Course Instructor – CLS 411 Clinical Bacteriology I
Course Instructor – CLS 412 Clinical Parasitology
Course Instructor – CLS 311 Basic Microbiology
Course Instructor – CLS 212 Medical Microbiology
Course Instructor – CLS 452 Independent Study
Course Instructor – CHS 231 Infectious Diseases

MSc courses:

Course Instructor – CLS 511 Diagnostic Microbiology I
Course Instructor – CLS 512 Diagnostic Microbiology II
Course Instructor – CLS 513 Advanced Diagnostic Microbiology

PhD courses:

Course Co-Instructor – CLS 604 Seminars in Clinical Laboratory Sciences Research
Course principal instructor – CLS 612 Advanced topics in Medical Microbiology

Supervision of Postgraduates students:

Primary Supervisor of Ameena Al-Ghamdi, PhD student at CLS department, project title'' Molecular Characterization of Multidrug Resistance Efflux Pumps in Solid Organ Transplantation SOT Recipients Specimens Towards Improved Clinical Diagnosis and Management'' – Ongoing

Primary Supervisor of Eman Bin Essa, MSc student at CLS department, project title'' The effect of Glycerol Monolaurate on Vaginal normal flora and microbes among Saudi women in Riyadh, Saudi Arabia'' - Done

Primary Supervisor of Mona Al-rabia, MSc student at CLS department, project title'' The Effect of Albumin bound Glycerol Monolaurate on Bacterial Growth''- Done

Co-supervisor of Hussain Ali Ahmad AlMuayrifi, MSc student at CLS department, project title'' Prevalence of residual risks of transfusion transmitted infections (TTIs) in main Riyadh hospitals: a two-year retrospective study''- done

Co-supervisor (33%) of Ameena Al-Ghamdi, MSc student at CLS department, project title ''Assessment of granulocytes and monocytes efficiency in breast cancer patients pre and post radiotherapy in KSA''- Done

Co-supervisor (33%) of Wejdan Binjohar, MSc student at CLS department, project title Molecular characterization of antibiotic resistance genes in Pseudomonas aeruginosa and Acinetobacter baumannii clinical isolates from King Khalid University Hospital – done

Internal examiner (2020) of Dena Khalid Alkoblan's Thesis, titled''Synergetic Effect of Nanoparticles with Antibacterial Agents Against Gram Negative Resistant Bacteria''

Internal examiner (2021) of Ahmed Ibrahim Sharahili's Thesis, titled'' Biochemical and Hematological Markers as Predictors of Brucella Infection in Najran Region of Southern Saudi Arabia''

Peer review:

The manuscript entitled: "Comparison of Hospital Outcomes Among Mechanically Ventilated COVID-19 Patients in ICU Who Received Methylprednisolone or Dexamethasone: A Retrospective Study" has been submitted to BioMed.

The manuscript entitled: "Upraising *Stenotrophomonas maltophilia* in critically ill patients: a new enemy?" has been submitted to diagnostics.

The manuscript entitled: "Comparison of secular trends in peptic ulcer diseases mortality in China, Brazil and India during 1990-2019: An Age-Period-Cohort Analysis " has been submitted to Healthcare.

The manuscript entitled: "High prevalence of multidrug-resistant bacteria in the trachea of ICU admitted patients: Evidence from a Bangladeshi hospital" has been submitted to Infection and Drug Resistance.

The manuscript entitled: "Assessment of *Helicobacter pylori* infection awareness among Saudi population: Gaps to be addressed" has been submitted to International Journal of General Medicine.

The manuscript entitled: "Antibiotic Resistance of *Helicobacter pylori* and Related Risk Factors in Yangzhou, China: A Cross-Sectional Study" has been submitted to JCM.

The manuscript entitled: "The Effect of Quadruple Therapy with Polaprezinc or Bismuth on Gut Microbiota after *Helicobacter pylori* Eradication: A Randomized Controlled Trial" has been submitted to JCM.

The manuscript entitled: "DNA methylation-mediated overexpression of CXCL1 in *Helicobacter pylori*-induced gastric cancer: In silico and in vitro based identification of a potential biomarker for carcinogenesis" has been submitted to International Journal of molecular sciences.

The manuscript entitled: " The Association Between *Helicobacter Pylori* Infection and Liver Cytolysis in Children" has been submitted to Children Journal.

The manuscript entitled: "Reprocessing and microbiological surveillance on endoscopes in Italy: results of a national survey" has been submitted to International Journal of Environmental Research and Public Health.

Manuscript title: Antibiotic Prescribing Patterns for Hospitalized children with Community-Acquired Pneumonia in a Secondary Care Centre" has been submitted to Journal of Infection and Public Health

A manuscript titled "Brucella-induced acute psychosis: a novel symptom of brucellosis, a novel cause of acute psychosis" has been submitted to Case Reports in Infectious Diseases

A manuscript titled "Remarkable drug resistance rates for amoxicillin and metronidazole in *Helicobacter pylori* infected children" has been submitted to Children.

A manuscript titled "Severe primary cytomegalovirus infection developed encephalopathy in an immunocompetent young woman" has been submitted to Case Reports in Infectious Diseases for consideration.

Laboratory Work Experience and Research Skills:

- Molecular biology techniques include DNA extraction, PCR, cloning and subcloning, preparation of competent cells, transformation, gene sequencing, single and double restriction enzymes digestion, and gel electrophoresis.
- Spectroscopic study of Mtb enzymes, biochemical and pharmacological characterization techniques such as steady-state kinetic assays, preparation of inhibitors solutions, Enzyme inhibition assays, competitions assays, drug sensitivity assays, time-kill studies and kinetic characterization assays
- Biological techniques such as cell culturing and cell imaging using a light microscope.
- Pharmacokinetics and metabolomics techniques such as HPLC, mass spectrometry, extra- and intracellular metabolites extraction, and data analysis using software-based- mass spectrometry.
- Medical laboratory diagnostic techniques using standards and quality controls in accordance with the CAP (College of American Pathologists) and AABB (American Association of Blood Bank).

Extracurricular Activities:

2020 – 2020	Observer on Online accreditation Review Panel, NCAAA
2018 – Present	A Certified Item Author, (CIA) program
2018 – Present	Consultant Molecular Microbiology
2013 – 2014	Member of the American Society of Microbiology
2009 – 2014	Member of British Society for Parasitology, UK.
2011 – 2013	Member of Biochemical Society, UK.
2009 – 2010	Member of organizing committee of Alwahyan competition for Saudi students clubs and schools, UK
2007 – 2013	Member of the Liverpool Saudi Club, Liverpool, UK.

Conferences and Courses:

September 2023	The 2nd Riyadh Conference on Microbiology and Public Health
September 2023	3rd Infection Control Updates Conference
November 2021	Understanding Antimicrobial Stewardship Implementation seminar
November 2021	Open Book Exam Workshop
December 2020	Antimicrobial Susceptibility Testing, Online workshop
September 2020	Human and Microbial Genomics: Diagnostics and Updates
September 2020	Saudi International Conference for Clinical Lab Science 2nd Annual Conference For SSCLS
January 2020	Clinical Care Excellence Day
January 2020	The first Saudi forum for security and biosafety
December 2019	Updates in Laboratory Medicine & Pathology Symposium
November 2018	SLLE Item-Author Certification” Workshop
January 2017	Completed 36 training hours of the new faculty program
March 2016	Attended a program course in Skills of effective teaching, Deanship of Skills Development, King Saud University, Saudi Arabia.
September 2015	Attended the ICAAC/ICC, Joint 55th Interscience Conference on Antimicrobial Agents and Chemotherapy and 28th International Congress of Chemotherapy Meeting, San Diego, California, USA

- November 2014 Attended a program course in Evaluation of Learning Outcomes, Deanship of Skills Development, King Saud University, Saudi Arabia
- November 2014 Attended a program course in Micro-Teaching, Deanship of Skills Development, King Saud University, Saudi Arabia.
- November 2014 Attended a program course in Design and construction of the courses, Deanship of Skills Development, King Saud University, Saudi Arabia.
- October 2014 Attended a program course in Effective University Teaching Skills, Deanship of Skills Development, King Saud University, Saudi Arabia.
- September 2014 Attended the 5th ASM Conference on Beneficial Microbes, The American Society of Microbiology, Washington, DC, USA.
- September 2012 Participate in the Tuberculosis 2012 Conference, the Institut Pasteur, Paris, France.

Scientific Posters and Presentations:

- **Mycobacterium tuberculosis cytochrome *bd* oxidase: a terminal solution?**

Taghreed A. Hafiz¹, Ashley J. Warman¹, Nicholas E. Fisher¹, Gemma L. Nixon¹, Neil G. Berry², Paul M. O'Neill², Stephen A. Ward¹, and Giancarlo A. Biagini¹
Has been presented at the Tuberculosis 2012 Conference held, September 11-15, 2012 at the Institut Pasteur, Paris, France.

- **Taghreed A. Hafiz**¹, Ashley J. Warman¹, Nicholas E. Fisher¹, Gemma L. Nixon¹, Neil G. Berry², Paul M. O'Neill², Stephen A. Ward¹, and Giancarlo A. Biagini¹ (2010 and 2011). Molecular, biochemical and pharmacological characterisation of *Mycobacterium tuberculosis* cytochrome *bd*-I oxidase. *LSTM Annual Postgraduate Research Seminar Day*, Marriott Hotel, Liverpool, UK.

Awards and Prizes:

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| 2010 | Distinguished Student Award, Royal Embassy of Saudi Arabia, Saudi Arabia Cultural Bureau, London, UK. |
| 2009 | Prof. Tony Hart Prize for Best MSc Dissertaion, Liverpool School of Tropical Medicine, University of Liverpool, UK. |
| 2006 | 1 st Honor Student Award , Umm Al-Qura'a University, Saudi Arabia. |

Publications:

Web of Science Researcher ID: ABA-1330-2021 GQA-7830-2022

ORCHID: 0000-0001-8594-215X

https://scholar.google.com/citations?hl=en&user=JJOsfKwAAAAJ&view_op=list_works&sortby=pubdate

Hafiz, T. A., Alghamdi, G. S., Alkudmani, Z. S., Alyami, A. S., AlMazyed, A., Alhumaidan, O. S.,....., Alotaibi, F. E. (2024). Multidrug-Resistant *Proteus mirabilis* Infections and Clinical Outcome at Tertiary Hospital in Riyadh, Saudi Arabia. *Infection and Drug Resistance*, 17, 571–581. <https://doi.org/10.2147/IDR.S448335>

Esraa Aldawood, Lama Alzamil, Deemah Dabbagh, **Taghreed A Hafiz**, Sarah Alharbi, Mohammad A Alfhili. (2024). The Effect of Educational Intervention on Human Papillomavirus Knowledge among Male and Female College Students in Riyadh. *Medicina*.60-8.

Taghreed A Hafiz, Juliana Linnette D'Sa, Sahar Zamzam, Maria Liza Visbal Dionaldo, Esraa Aldawood, Nouf Madkhali & Murad A Mubarak (2023) The Effectiveness of an Educational Intervention on *Helicobacter pylori* for University Students: A Quasi-Experimental Study, *Journal of Multidisciplinary Healthcare*, 16:, 1979-1988, DOI: 10.2147/JMDH.S419630

Hafiz, T.A., Alanazi, S., Alghamdi, S.S. et al. Klebsiella pneumoniae bacteraemia epidemiology: resistance profiles and clinical outcome of King Fahad Medical City isolates, Riyadh, Saudi Arabia. *BMC Infect Dis* 23, 579 (2023). <https://doi.org/10.1186/s12879-023-08563-8>

Mubaraki, M.A., Haijan, M.A., Adawi, M.A, **Hafiz, T.A.,** Abdel-Gaber, R., El-Ashram, S., Dkhil, M.A. (2023). Hemoglobin E Prevalence among People Residing in Malaria Areas. *Indian Journal of Animal Research*. DOI: 10.18805/IJAR.BF-1685.

Mubaraki, M.A.; Faqihi, A.; AlQhtani, F.; **Hafiz, T.A.;** Alalhareth, A.; Thagfan, F.A.; Elshanat, S.; Abdel-Gaber, R.A.; Dkhil, M.A. Blood Biomarkers of Neonatal Sepsis with Special Emphasis on the Monocyte Distribution Width Value as an Early Sepsis Index. *Medicina* 2023, 59, 1425. <https://doi.org/10.3390/medicina59081425>

Mubaraki, Murad A., Almuayrifi, Hussain A., **Hafiz, Taghreed A.,** Alyousef, Abdulaziz, Dkhil, Mohamed A., Thagfan, Felwa A., Abdel-Gaber, Rewaida, Al-Najjar, Mohammad A. A., Alkhudhayri, Abdulsalam and Elshanat, Sherif. "Prevalence of residual risks of the transfusion-transmitted infections in Riyadh hospitals: A two-year retrospective study" *Open Chemistry*, vol. 21, no. 1, 2023, pp. 20220351. <https://doi.org/10.1515/chem-2022-0351>

Hafiz, T.A.; Bin Essa, E.A.; Alharbi, S.R.; Alyami, A.S.; Alkudmani, Z.S.; Mubaraki, M.A.; Alturki, N.A.; Alotaibi, F. Epidemiological, Microbiological, and Clinical Characteristics of Multi-Resistant Pseudomonas aeruginosa Isolates in King Fahad Medical City, Riyadh, Saudi Arabia. *Trop. Med. Infect. Dis.* 2023, 8, 205. <https://doi.org/10.3390/tropicalmed8040205>

Hafiz, T.A.; Aldawood, E.; Albloshi, A.; Alghamdi, S.S.; Mubaraki, M.A.; Alyami, A.S.; Aldriwesh, M.G. Stenotrophomonas maltophilia Epidemiology, Resistance Characteristics, and Clinical Outcomes: Understanding of the Recent Three Years' Trends. *Microorganisms* 2022, 10, 2506. <https://doi.org/10.3390/microorganisms10122506>

Aldawood, E.; Alzamil, L.; Faqih, L.; Dabbagh, D.; Alharbi, S.; **Hafiz, T.A.;** Alshurafa, H.H.; Altukhais, W.F.; Dabbagh, R. Awareness of Human Papillomavirus among Male and Female University Students in Saudi Arabia. *Healthcare* 2023, 11, 649. <https://doi.org/10.3390/healthcare11050649>

Hafiz, T.A.; Albloshi, A.; Alhumaidan, O.S.; Mubaraki, M.A.; Alyami, A.S.; Alrashoudi, R.; Alrabiah, M.A.; Alotaibi, F. The Epidemiological Pattern, Resistance Characteristics and Clinical Outcome of Enterobacter cloacae: Recent Updates and Impact of COVID-19 Pandemic. *Healthcare* 2023, 11, 312. <https://doi.org/10.3390/healthcare11030312>

Taghreed A. Hafiz, Shahad S. Alghamdi, Murad A. Mubaraki, Shymaa S. M. Alghamdi, Abdulwahab Alothaybi, Esraa Aldawood, Fawziah Alotaibi. (2022) A Two-Year Retrospective Study of Multidrug-Resistant Acinetobacter baumannii Respiratory Infections in Critically Ill Patients: Clinical and Microbiological Findings. *Journal of Infection and Public Health* 16 (2023) 313–319

Dkhil, Mohamed A; Thagfan, Felwa A; Morad, Mostafa Y; Al-Shaebi, Esam M; Elshanat, Sherif; Bauomy, Amira A; Mubaraki, Murad; **Hafiz, Taghreed A;** Al-Quraishy, Saleh; Abdel-Gaber, Rewaida. Biosynthesized silver nanoparticles have anticoccidial and jejenum-protective effects in mice infected with Eimeria papillata. *Environ Sci Pollut Res* (2023). <https://doi.org/10.1007/s11356-023-25383-0>

Jeffreys, Laura N; Ardrey, Alison; **Hafiz, Taghreed A**; et al Identification of 2-Aryl-Quinolone Inhibitors of Cytochrome bd and Chemical Validation of Combination Strategies for Respiratory Inhibitors against *Mycobacterium tuberculosis*. ACS Infectious Diseases 2023, 9, 2, 221–238.

Murad A. Mubarak, Ahmed S. Alalhareth, Esraa Aldawood, Alaa Albouloshi, Mohammed S. Aljarah, **Taghreed A. Hafiz**, Mohamed A. Dkhil. (2022) The iron deficiency anemia in association to Helicobacter pylori infection in Najran city, Saudi Arabia. Journal of King Saud University – Science 34 (2022) 102353

Taghreed A. Hafiz, JL D'Sa, S Zamzam, MLiza V Dionaldo, MA. Mubarak and RB Tumala (2021) *Helicobacter pylori* Infection: Comparison of Knowledge between Health Science and Non-Health Science University Students. Int. J. Environ. Res. Public Health 2021, 18(15), 8173.

MA. Dkhil, FA. Thagfan, EM. Al-Shaebi, SN. Maooda, R Abdel-Gaber, **Hafiz TA**, MA. Mubarak, S Al-Quraishy (2021). Brain oxidative status and behavioral response of mice infected with Trypanosoma evansi. Journal of King Saud University – Science 33 (6) September 2021, 101544

MA Dkhil, M SM Diab, HMA Aljawdah, M Murshed, **Hafiz TA**, S Al-Quraishy, AA Bauomy (2020). Neuro-biochemical changes induced by zinc oxide nanoparticles. Saudi Journal of Biological Sciences 27 (10): 2863-2867

Al-Quraishy S, Dkhil MA, Abdel-Gaber R, Zrieq R, **Hafez TA**, Mubarak MA, Abdel Moneim AE (2020). Myristica fragrans seed extract reverses scopolamine-induced cortical injury via stimulation of HO-1 expression in male rats. Environ Sci Pollut Res Int. Apr;27(11):12395-12404

Mohamed A Dkhil, Rewaida Abdel-Gaber, Mona F Khalil, **Hafiz TA**, Murad A Mubarak, Esam M Al-Shaebi, Saleh Al-Quraishy (2020). Indigofera oblongifolia as a fight against hepatic injury caused by murine trypanosomiasis. Saudi journal of biological sciences 27 (5):1390-1395

Dkhil MA, RafatZrieq, **Hafiz TA**, Murad A.Mubarak, Shadi Sulaiman, Fahad Algahtani, Rewaida Abdel-Gaber, Esam M.Al-Shaebi, Saleh Al-Quraishy (2020). Anthelmintic and antimicrobial activity of Indigofera oblongifolia leaf extracts. Saudi Journal of Biological Sciences. 27(2): 594-598

Dkhil MA, **Hafiz TA**, Felwa A.Thagf, Esam M.Al-Shaebi, Murad A.Mubarak, Mona Khalil, Rewaida Abdel-Gabera, Saleh Al-Quraishy (2019). Indigofera oblongifolia protects against trypanosomiasis-induced spleen injury. Journal of Infection and Public Health. 12 (5):660-665.

Hafiz TA (2019). Inflammatory Bowel Disease in Saudi Arabia: Challenges and Perspectives. EC Microbiology. 15.3: 217-226.

Dkhil MA, Ahmed E. Abdel Moneim, **Hafiz TA**, Murad A. Mubarak, Walid F. Mohamed, Felwa A. Thagfan, Saleh Al-Quraishy Myristica fragrans Kernels Prevent Paracetamol-Induced Hepatotoxicity by Inducing Anti-Apoptotic Genes and Nrf2/HO-1 Pathway. (2019) International Journal of Molecular Sciences 20(4):993

Hafiz TA, Aminah A. Alghamdi, Nourah M Aljameel, Eyad F. Alsaeed, Amina A. Hassan (2018). Efficiency of granulocytes and monocytes in breast cancer patients following radiotherapy in KSA. *Biomedical Research* 2018; 29 (21): 3880-3887

Erichsen L, Beermann A, Arauzo-Bravo MJ, Hassan M, Dkhil MA, Al-Quraishy S, **Hafiz TA**, Fischer JC, Santourlidis S (2018). Genome-wide hypomethylation of LINE-1 and Alu retroelements in cell-free DNA of blood is an epigenetic biomarker of human aging. *Saudi J Biol Sci. Sep*;25(6):1220-1226

Mubaraki. MA, Aboshaiqah AE, Tumala RB, **Hafiz TA**, Shamali IM, and Marie MAM (2017). "Infection Control Practices of Saudi Baccalaureate Nursing Students During Clinical Training". *EC Microbiology* 13.2 (2017): 55-64

Mubaraki, M. A., **T. A. Hafiz**, S. Al-Quraishy and M. A. Dkhil (2017). "Oxidative stress and genes regulation of cerebral malaria upon *Zizyphus spina-christi* treatment in a murine model." *Microb Pathog* 107: 69-74.

Al-Shaebi, E. M., N. T. Taib, M. A. Mubaraki, **T. A. Hafiz**, M. S. Lokman, A. O. Al-Ghamdy, M. Y. Lubbad, E. M. Bayoumy, S. Al-Quraishy and M. A. Dkhil (2017). "Indigofera oblongifolia leaf extract regulates spleen macrophage response during *Plasmodium chabaudi* infection." *Saudi Journal of Biological Sciences* 24(7): 1663-1666.

Hafiz, T. A., M. A. Mubaraki, M. A. Dkhil and S. Al-Quraishy (2017). "Antiviral Activities of *Capsicum annuum* Methanolic Extract against Herpes Simplex Virus 1 and 2." *Pakistan Journal of Zoology* 49(1): 251-255.

Mubaraki, M. A., M. A. Dkhil, **T. A. Hafiz**, M. F. Khalil, E. M. Al-Shaebi, D. Delic, K. Elshaikh and S. Al-Quraishy (2018). "Vitamin D receptor regulates intestinal inflammatory response in mice infected with blood stage malaria." *Microbial pathogenesis* 117: 299-303

Hafiz, T. A. and M. A. Mubaraki (2016). "The potential role of *Zizyphus spina-christi* leaf extracts against *Plasmodium berghei*-induced liver and spleen injury." *Biomedical Research-India* 27(4): 1027-1032.

Mubaraki MA, **Hafiz TA**, Dkhil MA, Al-Quraishy S (2016). Beneficial effect of *Punica granatum* peel extract on murine malaria-induced spleen injury. *Bmc Complementary and Alternative Medicine* 16, 221

Hafiz, T. A., M. A. Mubaraki, S. Al-Quraishy and M. A. Dkhil (2016). "The potential role of *Punica granatum* treatment on murine malaria-induced hepatic injury and oxidative stress." *Parasitol Res* 115(4): 1427-1433.

Hafiz, T. A., M. A. Mubaraki, Diabb MSM., Dkhil MA, Al-Quraishy S (2017). Ameliorative role of *Zizyphus spina-christi* leaf extracts against hepatic injury induced by *Plasmodium chabaudi* infected erythrocytes. *Saudi Journal of Biological Sciences*

Alotaibi FE, Bukhari EE, Al-Mohizea MM, **Hafiz T**, Essa EB, AlTokhais YI (2017) Emergence of carbapenem-resistant Enterobacteriaceae isolated from patients in a university hospital in Saudi Arabia. *Epidemiology, clinical profiles and outcomes. J Infect Public Health.* 2017 Sep - Oct;10(5):667-673

Kirby A, Al-Eryani A, Al-Sonboli N, **Hafiz T**, Beyer M, Al-Aghbari N, Al-Moheri N, Dove W, Cunliffe NA, Cuevas LE. Rotavirus and norovirus infections in children in Sana'a, Yemen. Trop Med Int Health. 2011 Jun;16(6):680-4.

Grants:

The Deputyship for Research & Innovation, Ministry of Education in Saudi Arabia for funding this research project under project No. (IFKSURG-2-357). **Dr. Taghreed Hafiz (PI)**

The Deputyship for Research & Innovation, Ministry of Education in Saudi Arabia for funding this research project under project No. (IFKSURG-2-363). **Dr. Taghreed Hafiz (PI)**

The Deputyship for Research & Innovation, Ministry of Education in Saudi Arabia for funding this research project under project No. (IFKSURG-2-490). **Dr. Taghreed Hafiz (PI)**

The Deputyship for Research & Innovation, Ministry of Education in Saudi Arabia for funding this research project under project No. (IFKSUOR3-218-1). **Dr. Taghreed Hafiz (PI)**

The Deputyship for Research & Innovation, Ministry of Education in Saudi Arabia for funding this research project under project No. (IFKSUOR3-218-2). **Dr. Taghreed Hafiz (PI)**

Researchers Supporting Project number (RSPD2023R655), King Saud University, Riyadh, Saudi Arabia. **Taghreed Hafiz (Co-PI)**.

Prevalence of Carbapenem Resistance in Acinetobacter baumannii isolates in Saudi Hospital Ministry of Health, King Fahad Medical City, RESEARCH CENTER (Grant No. 021-043), **Taghreed Hafiz (Co-PI)**.

King Saud University, Deanship of Scientific Research, New Faculty Grant# NFG-15-02-07 "Response of Spleen and liver of Mice Infected with *Plasmodium berghei* to Zizyphus spinachristi Treatment". **Dr. Taghreed Hafiz (PI)** and Dr. Murad Mubarak (Co-I). 2015-2016.

King Saud University, Deanship of Scientific Research, small research group, "The effect of silver nanoparticles on *Enterobacteriaceae* antibiotic resistant strains" **Dr. Taghreed Hafiz (PI)**, Prof. Aminh Hassan, Dr. May Al-rashed, Dr. Maha El tohamy and MSc student, Hanan El Quedery, Funding is still on process.