

Naveed Ahmed, PhD

Senior Specialist-Microbiology (SCFHS-KSA) | CSci (UK) | P. Tech MBOT (Malaysia)

Date of Birth: December 26, 1992

Address: Department of Assistance Medical Sciences, Applied College,
University of Tabuk, 71491 Tabuk, Saudi Arabia.

Mob/WhatsApp: <https://wa.me/+966537460205>

Email: namalik288@gmail.com; nahmed@ut.edu.sa

LinkedIn: <https://www.linkedin.com/in/naveed-ahmed-phd-84692a195/>

ORCID: <https://orcid.org/0000-0003-1504-1705>

Citizenship: Pakistan



EDUCATION

Doctor of Philosophy | Major: Medical Microbiology
Universiti Sains Malaysia (QS Worldwide University ranking: 134)

April 2021 – July 2024
Kelantan, Malaysia

Master of Science | Major: Microbiology
University of Central Punjab

Aug 2016 – Oct 2018
Lahore, Pakistan

BSc (Honors) | Major: Medical Laboratory Technology
University of the Punjab

Dec 2011 – July 2016
Lahore, Pakistan

RESEARCH PROJECTS AND FUNDINGS

ISARIC Arbovirus IPOP: An international multicentre observational cohort study of the clinical presentation of acute arboviral infection (ARIA) 2025
Funded: Wellcome Trust, Gates Foundation, Foreign Commonwealth and Development Office, Sponsor: Fundação Oswaldo Cruz (Fiocruz)

ISARIC Arbovirus IPOP: A multi-level study of perceptions toward arbovirus management 2025
Funded: Wellcome Trust, Gates Foundation, Foreign Commonwealth and Development Office, Sponsor: Fundação Oswaldo Cruz (Fiocruz)

Evaluation of *In-vitro* diagnostic assays for the detection of mosquito-borne diseases 2024
Medical Innovation Ventures Sdn. Bhd. (MEDIVEN), Penang, Malaysia

Clinical performance evaluation of ProDetect rapid test reader (PRCGS-100) using nasal swabs and saliva RDT-antigen test 2022
Medical Innovation Ventures Sdn. Bhd. (MEDIVEN), Penang, Malaysia

Performance evaluation of self-conduct buccal and nasal swabs RTK-antigen test 2022
Medical Innovation Ventures Sdn. Bhd. (MEDIVEN), Penang, Malaysia

Elucidation of Epstein-Barr virus (EBV) LMP1-30 bp deletion effect on immune checkpoint regulation in EBV-associated cancers (Nasopharyngeal Carcinoma (NPC) and Non-NPC cancers): Implications for immune checkpoints targeted in immunotherapy 2021
Ministry of Higher Education, Malaysia

TEACHING EXPERIENCE

Assistant Professor Oct 2024 – Present
University of Tabuk Tabuk, Saudi Arabia

- Teach undergraduate and diploma-level courses
- Serve as a Department Curriculum and Quality Assurance Committee Member
- Contribute to departmental planning and academic course design
- Engage in collaborative projects with international research groups
- Maintain professional development through certifications and memberships
- Member of Emergency Response Team

Lecturer (Visiting)
University of Central Punjab
Lecturer (Visiting)
Imperial College of Business Studies

Sept 2019 – Feb 2021
Lahore, Pakistan
Feb 2017 – Mar 2018
Lahore, Pakistan

WORK EXPERIENCE

- Graduate Research Assistant** April 2021 – May 2024
Universiti Sains Malaysia (Health campus) Kelantan, Malaysia
- Filing copyrights, patents to the intellectual property corporation of Malaysia (MyIPO).
 - Proposing new research designs, and setting criteria for patient selection.
 - Getting the ethical clearance for the proposed research works from the institutional (JEPeM-USM) and country level (NMRR-Malaysia) human research ethics committees.
 - Involved in submission of research grant proposals to various industries and government bodies.
 - Involved in handling all research grant related responsibilities (e.g., progress reports, planning and managing the budget, managing the research work, final data analysis and end progress reports).
 - Results interpreted and published in high Indexed ISI Journals (Q1 or Q2).
- Laboratory Technologist (Microbiology)** Dec 2017 – March 2021
Pakistan Kidney and Liver Institute & Research Center, Lahore Lahore, Pakistan
- Inventoried and maintained Microbiology Department lab equipment
 - Microbiology tutoring
 - Bacterial cultures (Final identification and reporting)
 - Daily controls and validation of instruments
 - Member of Antimicrobial stewardship program
 - Member of the biosafety team
 - Workup on research papers and monitoring the ongoing research projects
 - Conduct trainings/Workshops and Seminars
 - Internal and external audits
- Supervisor (Shift incharge) (Microbiology)** July 2014 – Dec 2017
Chughtai Lab Lahore, Pakistan
- Led a team of 10+ employees
 - Implementation of ISO 15189-2007 and SOPs
 - Quality assurance and quality control
 - Training of newly appointed laboratory technician and technologists
 - Arrangement of trainings, workshops for already working personals (as needed)
 - Verification of final reports made by technologists (cultures and sensitivity reports, routine microbiology Reports)
 - ATCC controls for bacterial growth and sensitivity confirmation
 - Checking and maintaining daily inventory requirements
 - Microbiological techniques for culturing, isolation and identification of bacteria and fungi causing infectious diseases in humans and serological tests

Mentorship & Leadership Roles

- Mentor (Invited), ISARIC Scientific Leadership Programme** April 2026 – Present
ISARIC | Pandemic Sciences Institute Nuffield Department of Medicine | University of Oxford
- Co-supervisor (3 MSc students)** Amman, Jordan
Al-Ahliyya Amman University
- Co-supervisor (1 MSc student)** Kelantan, Malaysia
Universiti Sains Malaysia (Health campus)
- Co-supervisor (14 MMed students)** Kelantan, Malaysia
Universiti Sains Malaysia (Health campus)

CONFERENCES AND PRESENTATIONS

9th Regional Conference on Molecular Medicine (RCMM) in Conjunction with 5th National Conference for Cancer Research (NCCR)

Kuala Lumpur, Malaysia

Oct 2023

2nd ITTP-COVID19 Conference

Kuala Lumpur, Malaysia

Aug 2022

17th Annual Conference of Medical Microbiology and Infectious Diseases Society of Pakistan

Lahore, Pakistan

April 2021

HONORS AND AWARDS

Graduate on time Award

Universiti Sains Malaysia

August 2024

Nominated for Best PhD Thesis Award

Universiti Sains Malaysia

June 2024

Secured 2nd Place in the Oral presentation and Young Investigator Award

Recognition for top presenter and research work at 9th Regional Conference on Molecular Medicine (RCMM) in Conjunction with 5th National Conference for Cancer Research (NCCR)

Oct 2023

Sanggar Sanjung Award for the year 2022

Best publication-based award for students pursuing education in USM

April 2023

Best oral presenter for bimonthly departmental journal club

Presentation performance-based award for students pursuing education in USM

Dec 2022

Sanggar Sanjung Award for the year 2021

Best publication-based award for students pursuing education in USM

April 2022

USM research assistance scheme

Merit based scholarship to support international study experiences within USM

April 2021

Best Poster Presentation – First Position

Best poster presentation award issued by 17th Annual Conference of Medical Microbiology and Infectious Diseases Society of Pakistan

March 2020

CERTIFICATIONS, LICENSING AND MEMBERSHIP

Senior Specialist-Microbiology, SCFHS, Kingdom of Saudi Arabia

Jan 2026

Chartered Scientist (CSci), Science Council, UK

Oct 2025

Registered Scientist (RSci), Science Council, UK

July 2025

HCA Member, Human Cell Atlas (HCA)

July 2025

GBD Senior Collaborator, Institute for Health Metrics and Evaluation, USA

June 2025

Fellow, The Global Health Network, UK

Dec 2024

Professional Technologist, Malaysia Board of Technologists, Malaysia

Dec 2024

Graduate Technologist, Malaysia Board of Technologists, Malaysia

Sept 2024

Member/MRSB, The Royal Society of Biology

July 2024

Lifetime Member, Medical Microbiology and Infectious Diseases Society of Pakistan (MMIDSP)

Jan 2021

SKILLS AND EXPERTISE

Languages: Urdu (Native), Punjabi (Native), English (Advance), Arabic (Basic)

Programming: R programming (data cleaning, visualization, and statistical modelling at an intermediate level, Systematic review and Meta-analysis)

Data analysis software: R, SPSS, RevMan, CMA, and OpenMeta (Systematic review and Meta-analysis)

Document Creation: Microsoft Office, LaTeX

Expertise in handling instruments: Flow cytometer, Bio-Rad/PCR, ELISA readers, HPLC analyzer, Architect i1000SR, Architect ci8200, Micro lab 300, Blood Gas Analyzer, Sysmex (Hematology analyzer), Dirui Urine Analyzer, Sysmex KX-21, BacT/ALERT

SCIENTOMETRICS INFORMATION BASED ON WEB OF SCIENCE (RESEARCHER ID)

H-Index	Citations	Peer Reviews	Q1/Q2 Publications
26	1897	84	46

LIST OF COPYRIGHTS

Protocol for cell staining (Surface + Intracellular) prior to flowcytometry

Registration # CRLY2023P02094

2023

Intellectual Property Corporation of Malaysia (MyIPO)

Kuala Lumpur, Malaysia

Protocol for isolation of PBMCs using Ficoll Density Gradient technique prior to immunofluorescence staining

Registration # CRLY2023P02095

2023

Intellectual Property Corporation of Malaysia (MyIPO)

Kuala Lumpur, Malaysia

Microbiology laboratory practical guidelines for direct examination, culture, growth characterization and identification of bacteria

Registration # CRLY2023P02096

2023

Intellectual Property Corporation of Malaysia (MyIPO)

Kuala Lumpur, Malaysia

Clinical microbiology laboratory practical guidelines for the diagnosis of gastro intestinal tract infections

Registration # CRLY2023P02097

2023

Intellectual Property Corporation of Malaysia (MyIPO)

Kuala Lumpur, Malaysia

PUBLICATIONS

First author publications

1. Ahmed N, Abusalah MAHA, and Abuarqoub AH. 2025. Nanomedicine in the Fight Against Multidrug-Resistant Infections: A Review on Emerging Strategies and Translational Prospects. *International Journal of Nanomedicine*:12331-12362.
2. Ahmed N, Abusalah MAHA, and Abuarqoub AH. 2025. Nanoparticles Based Therapeutic Approaches in Oncogenic Viral Infections: A Review. *International Journal of Nanomedicine*:13133-13163.
3. Ahmed, N., Abusalah, M. A. H. A., Absar, M., Nasir, M. H., Farzand, A., Ahmad, I., Sohail, Z., Singh, K. K. B., Baig, A. A. & Yean, C. Y. 2025. The Microbial Sources of Bioactive Compounds: Potential Anticancer Therapeutic Options. *Nano Life*, 15, 2430007.
4. Ahmed, N., Abusalah, M. A. H. A., Absar, M., Noor, M. S., Bukhari, B., Anjum, S. A., Singh, K. K. B. & Yean, C. Y. 2025. Carbon-based Nanomaterials as Multifunctional Particles for Cancer Diagnosis and Treatment. *Nano Life*, 15, 2430005.
5. Ahmed, N.; Rabaan, A.A.; Alwashmi, A.S.; et al. Immunoinformatic Execution and Design of an Anti- Epstein-Barr Virus Vaccine with Multiple Epitopes Triggering Innate and Adaptive Immune Responses. *Microorganisms* 2023, 11, 2448.
6. Ahmed, N.; Karobari, M.I.; Yousaf, A.; et al. The antimicrobial efficacy against selective oral microbes, antioxidant activity and preliminary phytochemical screening of Zingiber officinale. *Infection and Drug Resistance* 2022, 2773-2785.
7. Ahmed, N.; Tahir, K.; Aslam, S.; et al. Heavy Metal (Arsenic) Induced Antibiotic Resistance among Extended-Spectrum β -Lactamase (ESBL) Producing Bacteria of Nosocomial Origin. *Pharmaceuticals* 2022, 15, 1426.
8. Ahmed, N.; Abusalah, M.A.H.A.; Farzand, A.; Absar, M.; Yusof, N.Y.; Rabaan, A.A.; AlSaihati, H.; Alshengeti, A.; Alwarthan, S.; Alsuwailam, H.S. Updates on Epstein-Barr Virus (EBV)-Associated Nasopharyngeal Carcinoma: Emphasis on the Latent Gene Products of EBV. *Medicina* 2022, 59, 2.
9. Ahmed, N.; Zeshan, B.; Naveed, M.; et al. Antibiotic resistance profile in relation to virulence genes fimH, hlyA and usp of uropathogenic E. coli isolates in Lahore, Pakistan. *Trop. Biomed* 2019, 36, 559-568.
10. Ahmed, N.; Khalid, H.; Mushtaq, M.; et al. The molecular characterization of virulence determinants and antibiotic resistance patterns in human bacterial uropathogens. *Antibiotics* 2022, 11, 516.
11. Ahmed, N.; Ali, Z.; Riaz, M.; et al. Evaluation of antibiotic resistance and virulence genes among clinical isolates of *Pseudomonas aeruginosa* from cancer patients. *Asian Pacific journal of cancer prevention* 2020, 21, 1333.
12. Ahmed, N.; Kalil, M.N.A.; Yusof, W.; et al. A performance assessment study of different clinical samples for

rapid COVID-19 antigen diagnosis tests. *Diagnostics* 2022, 12, 847.

13. Ahmed, N.; Rizvi, A.; Naeem, A.; S et al. COVID-19 and public awareness. *The Professional Medical Journal* 2020, 27, 1710-1716.

Group-author publications

14. S.C. van der Lubbe, L.S. Chong, S.I. Hay, C. Bisignano, S.L. James, X. Dai, L.H. Goh, S. Acharya, Q.E.S. Adnani, N. Ahmed, The epidemiology and burden of injury in countries of the Association of Southeast Asian Nations (ASEAN), 1990–2021: Findings from the Global Burden of Disease Study 2021, *The Lancet Public Health*, 10 (2025) e456-e466.
15. E. Haeuser, S. Byrne, J. Nguyen, C. Raggi, S.A. McLaughlin, C. Bisignano, A.A. Harris, A.E. Smith, P.A. Lindstedt, G. Smith, Global, regional, and national trends in routine childhood vaccination coverage from 1980 to 2023 with forecasts to 2030: a systematic analysis for the Global Burden of Disease Study 2023, *The Lancet*, (2025).
16. Sirota SB, Bender RG, Dominguez R-MV, Movo A, Swetschinski LR, Araki DT, Han C, Wool EE, He J, and Carter A. 2025. Global burden of lower respiratory infections and aetiologies, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023. *The Lancet infectious diseases*.
17. Schumacher AE, Zheng P, Barber RM, Aalipour MA, Aalruz H, Ababneh HS, Abaraogu UO, Abbafati C, Abbas N, and Abbasifard M. 2025. Global age-sex-specific all-cause mortality and life expectancy estimates for 204 countries and territories and 660 subnational locations, 1950–2023: a demographic analysis for the Global Burden of Disease Study 2023. *The Lancet* 406:1731-1810.
18. Diseases GBoC, and Collaborators R. 2025. Global, regional, and national burden of cardiovascular diseases and risk factors in 204 countries and territories, 1990–2023. *Journal of the American College of Cardiology* 86:2167-2243.

Corresponding author publications

19. Qi S, Hussain S, Boyu W, Xuewei Y, Jiaojiao J, Shuangfei L, and Ahmed N. 2025. Dietary polyunsaturated fatty acids supplementation improves growth, immunity, and gut microbiota composition in the fish *Amphiprion ocellaris*. *Animal Feed Science and Technology*:116573.
20. Rjoub Y, Abusalah M, Al-Hussein A, Al-Qaoud K, Rjoop A, AlSaidat Y, Rjoub MA, Abusalah M, and Ahmed N. 2025. Exploring the absence of LMP1-XhoI deletion in nasopharyngeal carcinoma patients: A genetic perspective. *Journal of Taibah University Medical Sciences*.
21. Al-Hussien A, Abusalah M, Rjoub Y, Al-Qaoud K, Rjoop A, AlSaidat Y, Khwaileh L, Abusalah M, and Ahmed N. 2025. Detection of 30bp deletion LMP1 oncogene as potential diagnostic and prognostic Biomarker among nasopharyngeal carcinoma patients. *Electronic Journal of General Medicine* 22:em703.
22. Naveed, M.; Jabeen, K.; Naz, R.; et al. Regulation of Host Immune Response against *Enterobacter cloacae* Proteins via Computational mRNA Vaccine Design through Transcriptional Modification. *Microorganisms* 2022, 10, 1621.
23. Rabaan, A.A.; Alhumaid, S.; Mutair, A.A.; et al. Application of Artificial Intelligence in Combating High Antimicrobial Resistance Rates. *Antibiotics* 2022, 11, 784.
24. Rabaan, A.A.; Bakhrebah, M.A.; Nassar, M.S.; et al. Suspected Adenovirus Causing an Emerging HEPATITIS among Children below 10 Years: A Review. *Pathogens* 2022, 11, 712.
25. Sohail, M.; Muzzammil, M.; Ahmad, M.; et al. Molecular Characterization of Community- and Hospital-Acquired Methicillin-Resistant *Staphylococcus aureus* Isolates during COVID-19 Pandemic. *Antibiotics* 2023, 12.

Co-authored publications

26. M. Yusof, N. Ahmed, S. Bakhir, R. Shiva Shanghari, M. Hashairi Fauzi, The prevalence of leptospirosis infections among humans in Malaysia: a systematic review and meta-analysis, *Tropical Biomedicine*, 42 (2025) 201-212.
27. A. Khan, H.A. Alzahrani, S.G. Felemban, A.S. Algarni, A.B.S. Alenezi, M. Kamal, Z.U. Rehman, S.M.B. Asdaq, N. Ahmed, B.M. Alharbi, Exploring TGF- β signaling in benign prostatic hyperplasia: from cellular senescence to fibrosis and therapeutic implications, *Biogerontology*, 26 (2025) 79.
28. M. Afzal, M.A.H.A. Abusalah, N. Shehzadi, M. Absar, N. Ahmed, S. Khan, Y. Naseem, N. Mehmood, K.K.B. Singh, Investigation of biometabolites and novel antimicrobial peptides derived from promising source *Cordyceps militaris* and effect of non-small cell lung cancer genes computationally, *Plos one*, 20 (2025) e0310103.
29. M. Absar, A.R. Zaidah, A. Mahmood, S. Ahmad, H. Ejaz, N. Ahmed, N.H.H. Nik Hashim, C.Y. Yean, A Review of In Silico and In Vitro Approaches in the Fight Against Carbapenem-Resistant Enterobacterales, *Journal of Clinical Laboratory Analysis*, 39 (2025) e70018.
30. K.K.B. Singh, M.Z. Salleh, N. Ahmed, C.Y. Yean, A. Ismail, Identification and analysis of immunoreactive

proteins of *Shigella flexneri* in human sera and stool specimens, PeerJ, 12 (2024) e17498.

31. Ramzan, M., Abusalah, M. A. H. A., Ahmed, N., Yean, C. Y. & Zeshan, B. 2024. Green Synthesis and Characterization of Silver Nanoparticles Using Zingiber officinale Extracts to Investigate Their Antibacterial Potential. International Journal of Nanomedicine, 13319-13338.
32. Khalaf, T. K., Ismail, N., Nazri, N. A., Ahmed, N., Yajid, A. I., Mohamud, R. & Kadir, R. 2024. Pereskia bleo augments NK cell cytotoxicity against triple-negative breast cancer cells (MDA-MB-231). PeerJ, 12, e18420.
33. Ejaz U, Afzal M, Mazhar M, Riaz M, Ahmed N, Rizg WY, et al. Characterization, Synthesis, and Biological Activities of Silver Nanoparticles Produced via Green Synthesis Method Using Thymus Vulgaris Aqueous Extract. International Journal of Nanomedicine. 2024;453-69.
34. Singh KKB, Salleh MZ, Ahmed N, Yean CY, Ismail A. Identification and analysis of immunoreactive proteins of *Shigella flexneri* in human sera and stool specimens. PeerJ. 2024;12:e17498.
35. Abusalah MAH, Choudhary P, Bargui H, Ahmed N, Abusalah MAH, Choudhary OP. A prognostic insight of the mRNA vaccine against antibiotic-resistant bacteria. Annals of Medicine and Surgery. 2024(10):1097.
36. Assiry, A.A.; Ahmed, N.; Almuaddi, A.; et al. The antioxidant activity, preliminary phytochemical screening of Zingiber zerumbet and antimicrobial efficacy against selective endodontic bacteria. Food Science & Nutrition 2023.
37. Hasham, K.; Ahmed, N.; Zeshan, B. Circulating microRNAs in oncogenic viral infections: Potential diagnostic biomarkers. SN Applied Sciences 2020, 2, 1-13.
38. Tariq, F.; Ahmed, N.; et al. Synthesis, Characterization and antimicrobial activity of Bacillus subtilis- derived silver nanoparticles against multidrug-resistant bacteria. Jundishapur Journal of Microbiology 2020, 13.
39. Hasan, Z.; Zeshan, B.; Hassan, A.; Daud, N.H.A.; Sadaf, A.; Ahmed, N. Preparation and characterization of edible whey protein nanofibrils and efficacy studies on the quality and shelf-life of chilled food products. Journal of Food Safety 2023, 43, e13034.
40. Ahmad S, Lambuk L, Ahmed N, Mussa A, Tee V, Mohd Idris RA, et al. Efficacy and safety of nab- paclitaxel in metastatic gastric cancer: a meta-analysis. Nanomedicine. 2023;18(24):1733-44.
41. Rizvi, A.; Hussain, N.; Anjum, A.A.; Ahmed, N.; Naeem, A.; Khan, M.; Altaf, I. Effect of cell density on the biological titer and yield of 146S fraction of foot-and-mouth disease virus O in cell suspension. Journal of Virological Methods 2022, 300, 114379.
42. Hussain, S.; Zeshan, B.; Arshad, R.; Kabir, S.; Ahmed, N. MRSA Clinical Isolates Harboring mecC Gene Imply Zoonotic Transmission to Humans and Colonization by Biofilm Formation. Pak. J. Zool 2022, 55, 999- 1002.
43. Al-Mhanna, S.B.; Ghazali, W.S.W.; Mohamed, M.; Rabaan, A.A.; Santali, E.Y.; Alestad, J.H.; Santali, E.Y.; Arshad, S.; Ahmed, N.; Afolabi, H.A. Effectiveness of physical activity on immunity markers and quality of life in cancer patient: a systematic review. PeerJ 2022, 10, e13664.
44. Al-Hatamleh, M.A.; Alshaer, W.; Hatmal, M.m.M.; Lambuk, L.; Ahmed, N.; Mustafa, M.Z.; Low, S.C.; Jaafar, J.; Ferji, K.; Six, J.-L. Applications of alginate-based nanomaterials in enhancing the therapeutic effects of bee products. Frontiers in Molecular Biosciences 2022, 9, 865833.
45. Ahmad, A.; Baig, A.A.; Hussain, M.; Saeed, M.U.; Bilal, M.; Ahmed, N.; Chopra, H.; Hassan, M.; Rachamalla, M.; Putnala, S.K. Narrative on Hydrogen Therapy and its Clinical Applications: Safety and Efficacy. Current Pharmaceutical Design 2022, 28, 2519-2537.
46. Zahra, N.; Zeshan, B.; Qadri, M.M.A.; Ishaq, M.; Afzal, M.; Ahmed, N. Phenotypic and genotypic evaluation of antibiotic resistance of Acinetobacter baumannii bacteria isolated from surgical intensive care unit patients in Pakistan. Jundishapur Journal of Microbiology 2021, 14.
47. Naveed, M.; Bukhari, B.; Afzal, N.; Sadia, H.; Meer, B.; Riaz, T.; Ali, U.; Ahmed, N. Geographical, Molecular, and Computational Analysis of Migraine-Causing Genes. Journal of Computational Biophysics and Chemistry 2021.
48. Bukhari, B.; Naveed, M.; Makhdoom, S.I.; Jabeen, K.; Asif, M.F.; Batool, H.; Ahmed, N.; Chan, Y.Y. A comparison between organic and inorganic nanoparticles: Prime nanoparticles for tumor curation. Nano 2021, 16, 2130011.
49. Anis, S.; Khan, M.M.; Ali, Z.; Ahmed, N.; Khan, A.; Arsalan, H.M.; Naeem, S.; Saleem, I.; Qamar, S.; Khan, M.M.; Ahmad, A. Novel corona virus disease (COVID-19): An updated review on epidemiology, pathogenicity, clinical course, treatments, migrant health concerns and risk factors predictions. Pak. J. Pharm. Sci 2021, 34, 1807-1822.
50. Ali, Z.; Jatoti, M.A.; Al-Wraikat, M.; Ahmed, N.; Li, J. Time to enhance immunity via functional foods and supplements: hope for SARS-CoV-2 outbreak. Altern. Ther. Health Med 2021, 27, 30-44.

PROFESSIONAL REFERENCES

1. Chan Yean Yean (Professor)

Department of Medical Microbiology and Parasitology, School of Medical Sciences,
Universiti Sains Malaysia (Health campus) Kelantan, Malaysia
Email: yychan@usm.my

2. Basit Zeshan (Associate Professor)

Department of Microbiology, Institute of Industrial Biotechnology Government College University,
Lahore, Pakistan
Email: basit.zeshan@gcu.edu.pk