



Dr. Nabil Saad Mohammed HARMAL [ID]

Medical Microbiology [Tıbbi Mikrobiyoloji]

**ASSOCIATE PROFESSOR**

Department of Medical Microbiology, Faculty of Medicine,
Asia Metropolitan University, Johor Bahru, Malaysia. [→]

1995 Laboratory Medicine (BSc): Sana'a University, Sana'a, Yemen.

2000 Postgraduate Diploma in Medical Microbiology (MSc): Sana'a University, Sana'a, Yemen.

2003 Medical Microbiology (MSc): Sana'a University, Sana'a, Yemen.

2003 Lecturer of Medical Microbiology: Sana'a University Faculty of Medicine, Sana'a, Yemen.

2011 Molecular Biology and Microbiology (PhD): Universiti Putra Malaysia, Selangor, Malaysia.

2011 Post-doctoral researcher: University of Malaya, Kuala Lumpur, Malaysia.

2012 Postdoctoral research fellow (Microbiology and Parasitology): Universiti Putra Malaysia, Selangor, Malaysia.

2013 Assist. Prof. (Medical Microbiology): Sana'a University Faculty of Medicine, Sana'a, Yemen.

2016 Senior Lecturer (Medical Microbiology): Asia Metropolitan University, Johor Bahru, Malaysia.

2019 Assoc. Prof. (Medical Microbiology): Department of Medical Microbiology, Faculty of Medicine, Asia Metropolitan University, Johor Bahru, Malaysia.

[Institutional CV \(Kurumsal CV\):](#) [→]

Scientific Research Projects [Bilimsel Araştırma Projeleri]

1. High Impact Research Grant (HIR) F000009-21001.
2. The use of RNA interference as a novel anti-viral agent against respiratory syncytial virus. (E SCIENCE Fund) Project number: 06-01-04-SF1407
3. A High-throughput analysis of genomic and proteomic approaches on human rhinovirus (HRV) infections to look for novel potential markers for diagnostic and treatment
4. Characterization of the different oligomeric structures of the exposed VP1, VP2, VP3 and VP4 termini of human rhinovirus species in an attempt to develop a pan-serotypic peptide vaccine. (FRGS), Project vot: 5524211.
5. Influenza vaccine coverage among health care personnel 2013, Malaysia. Sanofi-aventis (Malaysia) Sdn Bhd.
6. AMU Research Grant Scheme (ARGS) for molecular work on development of Pan fungal PCR assay for detection of fungal pathogens. ARG/04/P1/2017.
7. Evaluation of simplex and multiplex PCR for detection of the medically important candida species. AMU Research Grant Scheme (ARGS). ARG/05/P1/2019.

Patents (Patentier)

1. Chong Pei Pei, Nabil Saad Harmal, Farida Jamal, Zamberi Sekawi, A Method For Detecting Candida Species In A Specimen By Polymerase Chain Reaction. Patent: PI2011000631. Universiti Putra Malaysia, Malaysia, 2011-02-11. The patent was guaranteed in 2017.

Research and Articles [Araştırma ve Makaleler]

1. Mohammed A. Alshawsh, Mahmood A. Abdulla, Salmah Ismail, Zahra A. Amin, Suhailah W. Qader, Hamid A. Hadi and Nabil S. Harmal. Free Radical Scavenging, Antimicrobial and Immunomodulatory Activities of *Orthosiphon stamineus*. *Molecules* 2012, 17, 5385-95. [[Crossref](#)] [[PMED](#)]
2. Mohan S, Abdelwahab SI, Kamalidehghan B, Syam S, May KS, Harmal NS, Shafifiyaz N, Hadi AH, Hashim NM, Rahmani M, Taha MM, Cheah SC, Zajmi A. Involvement of NF- κ B and Bcl2/Bax signaling pathways in the apoptosis of MCF7 cells induced by a xanthone compound Pyranocycloartobioxanthone A. *Phytomedicine* 2012; 19(11):1007-15. [[Crossref](#)] [[PMED](#)]
3. NS Harmal, A Khodavandi, MA Alshawsh, F Jamal, Z Sekawi, NK Peng, PP Chong. Simplex and triplex polymerase chain reaction (PCR) for identification of three medically important *Candida* species. *African Journal of Biotechnology*; 2012; 11 (65), 12895-902. [[Crossref](#)]
4. Hudu SA, Malik YA, Niazlin MT, Harmal NS, Adnan A, Alshrari AS, Sekawi Z. Antibody and immune memory persistence post infant hepatitis B vaccination. *Patient Prefer Adherence*. 2013; 7: 981-6. [[Crossref](#)] [[PMED](#)]
5. Alireza Khodavandi, Nazira Adila Binti Tahzir, Poh Woon Cheng, Phelim Yong Voon Chen, Fahimeh Alizadeh, Nabil Saad Harmal, Chong Pei Pei. Antifungal Activity of Rhizome *Coptidis* and *Alpinia galangal* against *Candida* species. *Journal of Pure and Applied Microbiology*, 2013; 7(3):1725-30. [[JPAM](#)]
6. Hudu SA, Malik YA, Niazlin MT, Harmal NS, Sekawi Z. An Overview of Hepatitis B Virus Surface Antigen Mutant in the Asia Pacific. *Curr Issues Mol Biol*. 2013;16(2):69-78. [[PMED](#)]
7. Hudu SA, Malik YA, Niazlin MT, Harmal NS, Alshrari AS, Sekawi Z. Isolated hepatitis B core antibody positive among vaccinated cohort in Malaysia. *Annal of Saudi Medicine*. 2013; c;33(6): 591-4. [[Crossref](#)] [[PMED](#)]
8. Nabil S. Harmal, Alireza Khodavandi, Mohammed A. Alshawsh, Farida Jamal, Zamberi Sekawi, Ng Kee Peng and Pei Pei Chong. Identification and differentiation of *Candida* species using specific polymerase chain reaction (PCR) amplification of the phospholipase B gene. *African Journal of Microbiology Research*, 2013; 7(20): 2159-66. [[Crossref](#)]
9. BP Ling, FA Jalilian, NS Harmal, P Yubbu, Z Sekawi. Detection and characterization of viruses causing hand, foot and mouth disease from children in Seri Kembangan, Malaysia. *Tropical biomedicine*, 2014; 31 (4):654-62. [[PMED](#)]
10. SA Hudu, NS Harmal, MI Saeed, AS Alshrari, YA Malik, MT Niazlin MT, Z Sekawi. Naturally occurring hepatitis B virus surface antigen mutant variants in Malaysian blood donors and vaccinees. *European Journal of Clinical Microbiology & Infectious Diseases*, 2015:1-11. [[Crossref](#)] [[PMED](#)]
11. V.K. Chin, Nur A. Atika Aziz, Shuaibu A. Hudu, Nabil S. Harmal, A. Syahrilnizam, Farid A. Jalilian, S. Zamberi. Design and validation of small interfering RNA on respiratory syncytial virus M2-2 gene: A potential approach in RNA interference on viral replication. *Journal of Virological Methods* 236 (2016) 117-25. [[Crossref](#)] [[PMED](#)]
12. SA Hudu, NS Harmal, MI Saeed, AS Alshrari, YA Malik, MT Niazlin MT, R Hassan, Z Sekawi. Molecular and serological detection of occult hepatitis B virus among healthy hepatitis B surface antigen-negative blood donors in Malaysia. *African Health Sciences*. 2016; 16 (3): 678-683. [[Crossref](#)] [[PMED](#)]
13. Hudu SA, Harmal NS, Malina O, Sekawi Z. Influenza vaccination among Malaysian healthcare workers: a survey of coverage and attitudes. *Medical journal of Malaysia*. 2016;71(5):231-237. [[PMED](#)]
14. Gunjan M, R. Naidu J, Marzo RR, Harmal NS. Need of An Ancient Root to Modern Medicine in The Treatment of Cancer- A. Review. *International Journal of Phytomedicine*. 2017; 9(2): 195-206. [[Crossref](#)]
15. SA Hudu, NS Harmal. Molecular and Conventional Methods of Detecting Respiratory Viruses among Children with Lower Respiratory Tract Infection in Sokoto, Nigeria. *Borno Medical Journal*, 2018; 15(1): 65-76. [[Crossref](#)]
16. SA Hudu, Niazlin MT, Syafinaz AN, NS Harmal, Tan SS, Haniza O, Shahar H, Noor Aliza M, Z Sekawi. Hepatitis E virus isolated from chronic hepatitis B patients in Malaysia: Sequences analysis and genetic diversity suggest zoonotic origin. *Alexandria Journal of Medicine* (2017). *Alexandria Journal of Medicine*, 2018; 54(4): 478-494. [[Crossref](#)]

17. Tajmul Rizwan Tajudin, Nabil Saad Harmal, Zeenat Abdulshakur, Abdul Hanif Khan Yusof Khan, Chai Li Tay, Soo Huat Teoh, Aneesa Abdul Rashid, Fadzilah Mohamad, Abdul Hadi Abdul Manap, Navin Kumar Devaraj. Establishment of a Diabetic Clinic and Its Effects on Glycaemic Control Among Diabetic Patients In Muar District, Malaysia. Sapporo Medical Journal 2020; 54(10): 1-11. [[SMJ](#)]

18. Nabil Saad Mohammed Harmal, Jegathambigai Ramashwar Naidu, Mohamad Khairuddin Abdul Wahab, Abdus Salam. Career Preference of Future Medical Graduates: A Pilot Study from the Perspectives of a Malaysian Private University. International Medical Journal. [[Accepted For Publication](#)].

Book Chapters [[Kitap Bölümleri](#)]

-

Published Abstracts and Conference Proceedings [[Bildiriler](#)]

1. Nabil Saad Harmal, Farida Jamal, Phelim Chen, Zamberi Sekawi, Pei Pei Chong. Evaluation of PCR and PCR/RLB Hybridization Array for Detection of the New Emerging Candida species. International Symposium on Tropical Fungi. Bogor, Indonesia, September 10-11, 2013. (Oral).

2. Ahmed S. A. , Nabil S. H., Alrishidi M. A., Shuaibu A. H., Abdul Rahman O., Pei Pei, C. and Zamberi S. Highly Conserved Regions of Human Rhinoviruses Capsid Genes: Potential Immune Targets. International Congress of Malaysian Society for Microbiology, 12-15 December 2013. (Poster).

3. Poay Ling, B., Farid A. J., Nabil S. H., Putri Y. and Zamberi S. Molecular Detection of Hand, Foot and Mouth Disease Viruses in Seri Kembangan, Malaysia. International Congress of Malaysian Society for Microbiology, 12-15 December 2013. (Poster).

4. Raihana A. B., Nabil S. H., Farid A. J. and Zamberi S. Molecular Detection of Human Rhinovirus Species from Patients with Acute Respiratory Illnesses In Seri Kembangan, Selangor. International Congress of Malaysian Society for Microbiology, 12-15 December 2013. (Poster).

5. Nur Ayu Atika A., Syahrilnizam A., Farid Azizi J., Nabil S. H. and Zamberi S. Inhibition of Respiratory Syncytial Virus Infection with Small Interference RNA and Its In vitro Evaluation Performance In Targeting the Viral M2-2 Gene. International Congress of Malaysian Society for Microbiology, 12-15 December 2013. (Poster).

6. Nabil S. H., Farida J., Zamberi S. and Pei Pei, C. Evaluation of Species-Specific PCR Utilizing the PLB Gene for Detection of the Medically Important Candida species. International Congress of Malaysian Society for Microbiology, 12-15 December 2013. (Poster).

7. S Hudu, Z Sekawi, N Taib, Y Malik, N Harmal. Occult hepatitis B infection among vaccinated cohort. Journal of Viral Hepatitis. 2013; 20(s3): 30. [[Crossref](#)]

8. S Hudu, M Ibrahim, N Harmal, A Alshrari, M Niazlin, Y Malik, Z Sekawi. Molecular characterizations of hepatitis B escape mutants among blood donors in Malaysia. Journal of Viral Hepatitis, 2014; P33(21) Sup. 2: 21-48.

9. Nabil Saad Mohammed Harmal. "2nd IMU Cares Humanitarian Mission Conference" In Collaboration with Mercy Malaysia would be held on 13 July 2017 at the International Medical University, Bukit Jalil, Kuala Lumpur, Malaysia.

10. Harmal Nabil Saad, Tajudin Tajmul Rizwan, Yong Rafidah Abd Rahman, Sekawi Zamberi, Chong Pei Pei. Species-Specific PCR for Detection of Candida Species in Immunocompromised Patients. Third International Conference on Tropical Medicine and Infectious Diseases: 'Global Challenges in Emerging and Re-Emerging Infectious Diseases. 15th August - 17th August 2017 Premiera Hotel Kuala Lumpur, Malaysia. (Oral).

11. Nabil Saad Mohammed Harmal, Jegathambigai Ramashwar Naidu, Abdus Salam. Career Preference of Future Medical Graduates: A Pilot Study from the Perspectives of a Malaysian Private University. MAEMHS Conference 2017, 19-20 August 2017, Kota Bharu, Malaysia. (Poster).

12. Nabil Saad Hamal, Thein Win Naing, Shuaibu Abdullahi Hudu, Zamberi Sekawi. Development of Single Pan-Fungal Yeast PCR Detection of a Broad Range of Pathogenic Yeast Species of Medical Important. 3rd International Conference on Diagnostic Microbiology and Infectious Diseases. September 24-25, 2018 at Montreal, Canada. (Oral).

13. Harmal Nabil Saad, Tajudin Tajmul Rizwan, Yong Rafidah Abd Rahman, Sekawi Zamberi, Chong Pei Pei. Species-Specific PCR for Detection of Candida species in Immunocompromised Patients. Malaysian Journal of Public Health Medicine, 2018; OP1-08 (18) Sup. 1: 23.

- 14.** Nabil Saad Harmal, Abdelkodose M. H. Abdulla, Abulilah Alharazi, Amaludin Bin Ahmed, Roy Rillera Marzo, Shahnaj Pervin. Epidemiological Study of Cholera Outbreaks during the War in Sana'a-Yemen. 1st Medical and Global Health Research Symposium (MoRes 2019). MoRes | 22-23 October 2019 | Bandung, Indonesia. (Oral).
- 15.** Nabil Saad Harmal, Abdelkodose M. H. Abdulla, Abulilah Alharazi, Amaludin Bin Ahmed. Molecular diagnosis of Fungal Infections. The First Laboratory Medicine Conference, Sana'a -Yemen. 11-13 January 2020.
- 16.** Nabil Saad Harmal, Abdelkodose M. H. Abdulla, Abulilah Alharazi, Amaludin Bin Ahmed. Epidemiological Study of Cholera Outbreaks During the War In Sana'a-Yemen. Webinar on Webinar on Microbiology and Biotechnology, June 26, 2020.