

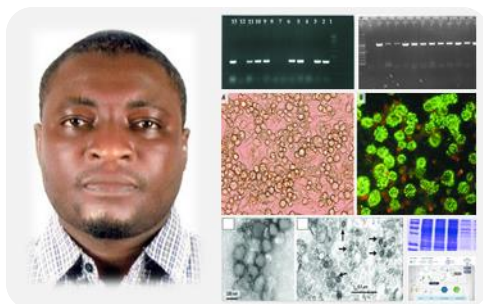


# Life and Medical Sciences

Yayın Kurulu Üyesi [Editorial Board Member]

**Dr. Shuaibu Abdullahi HUDU** [ID]

Medical Microbiology and Parasitology [Tıbbi Mikrobiyoloji ve Parazitoloji]



## ASSISTANT PROFESSOR

Department of Medical Microbiology and Parasitology,  
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**2006 Medicine and Surgery (MBBS):** Usmanu Danfodiyo University Sokoto, Nigeria.

**2014 Medical Microbiology (MSc):** Universiti Putra Malaysia, Selangor, Malaysia.

**2017 Medical Microbiology (PhD):** Universiti Putra Malaysia, Selangor, Malaysia.

**2018 Assistant Professor (Senior Lecturer):** Department of Medical Microbiology and Parasitology, Faculty of Basic Clinical Sciences, College of Health Sciences, Usmanu Danfodiyo University, Sokoto, Nigeria.

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## Scientific Research Projects [Bilimsel Araştırma Projeleri]

1. TETFUNDIBR-UDUS2020 Prevalence and Molecular Mapping of Multidrug-resistance Mycobacterium tuberculosis in Sokoto, North-western Nigeria Principal investigator 2020 TETFUND, Nigeria. **Ongoing.**
2. F 309-1 Development of Pan-Fungal PCR Assay for Detection of Human Fungal Infections Coinvestigator 2017-2018 Asia Metropolitan University Research Grant Scheme (ARGS), Malaysia. **Completed.**
3. NMRR-14- 1136-21909 Determination of Novel Prognostic Biomarkers of potentially fatal acute deterioration of Chronic Hepatitis B and co-infection with other Hepatitis viruses using Clinical, Virological, Biochemical and Cytokines Profiling techniques Principal investigator 2014- 2017 Fundamental Research Grant Scheme (FRGS). **Completed.**
4. NMRR-13- 1541-17355 Influenza Vaccination Coverage among Health Care Workers in Malaysia Principal investigator 2013- 2014 Sanofi Aventis Malaysia. **Completed.**
5. NMRR-12- 469-11762 Evaluation of Post-Infant Hepatitis B Vaccination Among Undergraduate Vaccinees Principal investigator 2012- 2014 Sanofi Aventis Malaysia. **Completed.**
6. NMRR-12- 469-11762 Molecular Characterization of Hepatitis B-Escaped Mutants in Malaysian Blood Donors and Vaccinees Principal investigator 2012- 2014 Sanofi Aventis Malaysia. **Completed.**

## Research and Articles [Araştırma ve Makaleler]

1. Abubakar K, Halilu ME, Jimoh AO., Hudu. AS. (2011). Preliminary Phytochemical and Antifungal Screening of the Aqueous Extract of the Leaves of Pterocarpus erinaceous. Research Journal of Pharmacology, 5(3), 40-42.
2. Jimoh, A., Emmanuel, H., Chika, A., Muhammad, T., & Hudu, A S. (2012). Phytochemical Screening And Antifungal Evaluation of Methanolic Extract of Schwenckia americana L.(Solanaceae). Continental Journal of Pharmacology and Toxicology Research, 4(1): 1-4.

- 3.** Abdulgafar O.Jimoh, E. U. E., Zuwaira Sani, Hudu A. Shuaibu. (2011). The Pattern of Antibiotic Use in a Family Medicine Department of a Tertiary Hospital in Sokoto, North Western Nigeria. *Journal of Clinical and Diagnostic Research* [serial online], 5(3), 566-569.
- 4.** Hudu A S and Jimoh AO. (2011). Assessment of Socioeconomic, Demographic and Health Problems of Al-Majiri in Sokoto State, North- Western Nigeria. *International Journal of Tropical Medicine* 2011, 6(3), 58-60.
- 5.** Ameh, J., Ahmad, R. M., Ekeh, N., Linga, P., Mangoro, Z., Imam, A. U. Hudu, S. (2012). Laboratory diagnosis of malaria: Comparing giemsa stained thick blood films with rapid diagnostic test (RDT) in an endemic setting in North-west Nigeria. *Journal of Medical Laboratory and Diagnosis* Vol, 3(2), 10-15.
- 6.** Hudu Shuaibu Abdullahi, Jimoh AbdulGafar Olayilola, Abubakar Kabiru, Bello Aminu. (2013). Common anti-malarial drug prescription and patient affordability in Sokoto Nigeria. *International Journal of Pharmacy and Pharmaceutical Sciences* 5, 428-431.
- 7.** Hudu, S. A., Malik, Y. A., Niazlin, M. T., Harmal, N. S., & Sekawi, Z. (2013). An Overview of Hepatitis B Virus Surface Antigen Mutant in the Asia Pacific. *Curr Issues Mol Biol*, 16(2), 69-78. [\[PMED\]](#)
- 8.** Hudu, S. A., Malik, Y. A., Niazlin, M. T., Harmal, N. S., Adnan, A., Alshrari, A. S., & Sekawi, Z. (2013). Antibody and immune memory persistence post infant hepatitis B vaccination. *Patient Prefer Adherence*, 7, 981-986. [\[Crossref\]](#) [\[PMED\]](#)
- 9.** Hudu, S. A., Malik, Y. A., Niazlin, M. T., Harmal, N. S., Alshrari, A. S., & Sekawi, Z. (2013). Isolated hepatitis B core antibody positive among vaccinated cohort in Malaysia. *Ann Saudi Med*, 33(6), 591-594. [\[Crossref\]](#) [\[PMED\]](#)
- 10.** Bello, A., Jimoh, A., Shittu, S., and Hudu, S. (2014). Prevalence of urinary schistosomiasis and associated haemato-proteinuria in Wurno Rural Area of Sokoto State, Nigeria. *Orient Journal of Medicine* 26, 114-121.
- 11.** Hudu, S.A., Harmal, N.S., Saeed, M.I., Alshrari, A.S., Malik, Y.A., Niazlin, M.T., Hassan, R., and Sekawi, Z. (2015). Naturally occurring hepatitis B virus surface antigen mutant variants in Malaysian blood donors and vaccinees. *European Journal of Clinical Microbiology & Infectious Diseases*, 34(7):1349-59. [\[Crossref\]](#) [\[PMED\]](#)
- 12.** Hudu, S.A., Alshrari, A.S., Syahida, A., and Sekawi, Z. (2016). Cell culture, technology: enhancing the culture of diagnosing human diseases. *Journal of clinical and diagnostic research: JCDR* 10, DE01-5. [\[Crossref\]](#) [\[PMED\]](#)
- 13.** Shuaibu Abdullahi Hudu, Saadatu Haruna Shinkafi, Shuaibu Umar (2016). An overview of recombinant vaccine technology, adjuvants and vaccine delivery methods. *Int J Pharm Pharm Sci*, 8(11):19-24.
- 14.** Chin, V. K., Aziz, N. A. A., Hudu, S. A., Harmal, N. S., Syahrilnizam, A., Jalilian, F. A., & Zamberi, S. (2016). 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, 117-125. [\[Crossref\]](#) [\[PMED\]](#)
- 15.** Hudu, S. A., Harmal, N. S., Malina, O., & Sekawi, Z. (2016). Influenza vaccination among Malaysian healthcare workers: a survey of coverage and attitudes. *The Medical journal of Malaysia*, 71(5), 231-237. [\[PMED\]](#)
- 16.** Hudu, Shuaibu A., Nabil S. Harmal, Mohammed I. Saeed, Ahmad S. Alshrari, Yasmin A. Malik, Mohd T. Niazlin, Roshida Hassan, and Zamberi Sekawi (2016). Molecular and serological detection of occult hepatitis B virus among healthy hepatitis B surface antigen-negative blood donors in Malaysia. *African health sciences*, 16(3), 677-683. [\[Crossref\]](#) [\[PMED\]](#)
- 17.** Umar, S., Shinkafi, S. H., Hudu, S. A., Neela, V., Suresh, K., & Nordin, S. A. (2017). Prevalence and molecular characterisation of *Schistosoma haematobium* among primary school children in Kebbi State, Nigeria. *Ann Parasitol*, 63(2), 133-139. [\[Crossref\]](#) [\[PMED\]](#)
- 18.** Hudu, S. A., Niazlin, M. T., Nordin, S. A., Harmal, N. S., Tan, S. S., Omar, H., ... & Sekawi, Z. (2018). Hepatitis E virus isolated from chronic hepatitis B patients in Malaysia: Sequences analysis and genetic diversity suggest zoonotic origin. *Alexandria Journal of Medicine* 2018; 54(4):487-494. [\[Crossref\]](#)
- 19.** Hudu, S.A., Niazlin, M.T., Nordin, S.A. and Sekawi, Z., (2017). Hepatitis E Virus Infection in the Perspective of Acute-on-chronic Liver Failure. *Annals of Medical and Health Sciences Research*. 7: 271-275.
- 20.** Hudu, S.A., Niazlin, M.T., Nordin, S.A, Saeed M.I, Tan S.S, Sekawi Z. (2017). Expression of Human Cytokine Genes Associated with Chronic Hepatitis B Disease Progression. *Iranian Journal of Immunology*, 14(4), pp. 281-292. [\[PMED\]](#)
- 21.** Hudu, S. A., Niazlin, M. T., Nordin, S. A., Saeed, M. I., Tan, S. S., Omar, H., ... & Sekawi, Z. (2018). Quantitative Hepatitis B e Antigen: A Better Predictor of Hepatitis B Virus DNA than Quantitative Hepatitis B Surface Antigen. *Clinical laboratory*, 64(4), 443-449. [\[Crossref\]](#) [\[PMED\]](#)

22. Shuaibu A. Hudu, Nabil S. Hamal. Molecular and Conventional Methods of Detecting Respiratory Viruses among Children with Lower Respiratory Tract Infection in Sokoto, Nigeria (2018). *Bo Med J*, 15(1): 65-76. [[Crossref](#)]
23. Hudu, S.A. and Hamal, N.S. Small Interfering RNA and the Quest for an Effective Respiratory Syncytial Virus Therapy. *Journal of Medical Laboratory Science*; 3(2): 28 - 36.
24. Hudu SA, Niazlin MT, Nordin SA, Tan SS, Omar H, Shahar H, Mutalib NA, Sekawi Z. Genetic diversity of hepatitis B co-infection with hepatitis C, D and E viruses among Malaysian chronic hepatitis B patients. *Afri Health Sci*. 2018; 18(4): 1117-1133. [[Crossref](#)] [[PMED](#)]
25. Krishnan P, Abdullah M, Hudu S.A, Sekawi Z, Tan S, Amin-Nordin S. Human leukocyte antigen (HLA) class II association in chronic hepatitis B patients with hepatocellular carcinoma in a Malay population: A pilot study. *Tropical Biomedicine*. 2019; 36 (3):703-8. [[PMED](#)]
26. Shinkafi SH, Umar S, Neela VK, Noordin SM, Noordin SA, Hudu SA, Zainudin Z. Isolation of *Janthinobacterium lividum* from early onset neonatal sepsis patients in Malaysia. *Afri Health Sci*. 2019;19(3): 2378-2389. [[Crossref](#)] [[PMED](#)]
27. Hudu SA, Shinkafi SH. A Genetic Insight and Overview of Zika Virus Infection: An Important Emerging Viral Infection. *Journal of Advances in Medicine and Medical Research*. 2019:1-12.
28. Shuaibu Abdullahi Hudu, Mohd Taib Niazlin, Syafinaz Amin Nordin, Soek Siam Tan and Zamberi Sekawi, 2019. A Preliminary Study of Hudu's Score as a Prognostic Scoring System of Predicting the Risk of Liver Cirrhosis in Patients with Chronic Hepatitis B Infection. *International Journal of Tropical Medicine*, 14: 17-20.
29. Hudu SA, Umar S. An Overview of Schistosomiasis in Africa: Evolutional Origin and Diagnostic Challenges *Asian Journal of Medicine and Health* 2019;17(2):1-12.
30. Hudu SA, Shinkafi SH, Umar S, Makun B. Dynamics of Hepatitis B Virus Surface Antigen Level with Peripheral Blood Lymphocytes in Chronic Hepatitis B Infection. *Journal of Advances in Medicine and Medical Research*. 2020;18:1-9.
31. Hudu SA, Shinkafi SH, Umar S, Makun B, Dada K.M. Next-Generation Sequencing: A Critical Review of Its Applications in Clinical Microbiology. *Annals of Clinical and Experimental Medicine*. 2020;1(1):1-5.
32. Hudu S.A and Alshrari A.S. Preparedness in Containment of Coronavirus Disease-19 in the African Continent. *Biosc.Biotech.Res.Comm*. 2020; 13(3):1623-1629. [[Crossref](#)]
33. Sa'adatu H.S., Neela V., Amin Nordin S., Sabariah M.N, Zainudin Z, Hudu S.A., and Mohammad A.B. (2020): Selective Amplification of Bacterial 16s RDNA Sequence from Clinical Samples. *Bayero Journal of Medical Laboratory Science*. 5(2): 98-105.
34. Mohd. Imran, Alshrari A.S., Mohammad Tauseef, Shah Alam Khan, Shuaibu Abdullahi Hudu & Abida (2021) *Mucormycosis medications: a patent review, Expert Opinion on Therapeutic Patents* [In-press] [[Crossref](#)] [[PMED](#)]
35. Hudu, S. A., & Hamal, N. S. (2021). Cross-Sectional Household Survey of Risk Behaviors Related to Viral Hepatitis among Adults in Sokoto-Nigeria. *European Journal of Medical and Health Sciences*, 3(3), 77-81. [[Crossref](#)]
36. Hudu, S.A. (2021). An Overview of Innate Immune Response to Human Rhinovirus Infection. *J Mol Virol Immunol* 2, 75-85. [[Crossref](#)]

### **Book Chapters [[Kitap Bölümleri](#)]**

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

1. Hudu, S.A. (2012). Novel substitution of glutamine with lysine at position 16 of Hepatitis B surface antigen associated with diagnostic and immune escape. In 4th World Congress on Virology (Hilton San Antonio Airport, TX, USA: *J Antivir Antiretrovir*), pp. 223.
2. Hudu, S., Sekawi, Z., Taib, N., Malik, Y., and Harmal, N. (2013). P24: Occult hepatitis B infection among vaccinated cohort. *Journal of Viral Hepatitis* 20, pp. 30. [[Crossref](#)]
3. Hudu S, Ibrahim M, Harmal N, Alshrari A, Niazlin M, Malik Y, and Zamberi, S. (2014). Molecular characterizations of hepatitis B escape mutants among blood donors in Malaysia. *Journal of Viral Hepatitis* 21, pp. 40.

- 4.** Ahmed S Alshrari, Alrishidi M Ali, Shuaibu A Hudu, Mohamed I Saeed, Abdul Rahman Omar, and, Pei Pei Chong, & Sekawi, Zamberi. (2014). P5. Elicitation of antibodies against synthetic peptides capable of reacting with various variants of rhinovirus. *Malaysian J Pathol*, 36(3), pp. 233.
- 5.** Nabil Saad Hamal, Shuaibu Abdullahi Hudu, Thein Win Naing, Nasaruddin Bin Abdul Aziz, Chong Pei Pei4 and Zamberi Sekawi (2018). Development of single Pan-fungal yeast PCR detection of a broad range of pathogenic yeast species of medically important. *J Med Microb Diagn*. 7, pp. 36. [[Crossref](#)]
- 6.** Hudu, S. A., Niazlin, M. T., Nordin, S. A., Tan, S. S., & Sekawi, Z. (2020). Human interleukin-1 receptor antagonist: A potential prognostic marker of liver cirrhosis in chronic hepatitis B patients. *International Journal of Infectious Diseases*, 101, 516.
- 7.** Hudu S.A, Niazlin M.T., Nordin S.A., Sekawi Z. (2019). Macrophage Inflammatory Protein-1beta as Prognostic Marker of Hepatocellular Carcinoma in Chronic Hepatitis B Patients. Poster presented at the 1st Annual General Meeting and Scientific Conferences of the Association of Specialist Medical Doctors in Academic Sokoto State Chapter at College of Health Science, Usmanu Danfodiyo University, Sokoto, UDUTH Campus.
- 8.** Ahmed S Alshrari, Hudu Shuaibu A, Alrishidi M Ali, Mohamed I Saeed, Abdul Rahman Omar, And, Pei Pei Chong, & Sekawi, Zamberi. (2014). Induction of Cross-serotype reactive antibodies Specific to Capsid Proteins in Rhinovirus. Poster presented at the 15th Asia Pacific Conference of Clinical Microbiology and Infection Sunway Pyramid Convention Centre, Kuala Lumpur, Malaysia.
- 9.** Ahmed S ALSHRARI, Alrishidi M ALI, Shuaibu A HUDU, Mohamed I SAEED, Abdul Rahman OMAR, and, Pei Pei CHONG, & SEKAWI, Zamberi. (2014). MMP03: Rhinoviruses cross neutralizing antibodies induced by recombinant capsid protein. Poster presented at the 32nd Symposium of the Malaysian society for microbiology (MSM2014), Terengganu Equestrian Resort, Malaysia.
- 10.** Hudu, S. A., Malik, Y. A., Niazlin, M. T., Harmal, N. S., Alshrari, A. S., & Sekawi, Z. (2013, 12-15 December 2013). Hepatitis B Core Antibodies: A Reliable Marker in Occult Infection. Paper presented at the International Congress of the Malaysian Society for Microbiology (ICMSM2013)Langkawi Lagoon Resort, Kedah, Malaysia.
- 11.** Alshrari, A. S., Harmal, N., Ali, A. M., Hudu, S. A., Omar, A. R., Pei, C. P., & Zamberi, S. (2013, 12 -15 Dec. 2013). Highly Conserved Regions of Human Rhinoviruses Capsid Genes: Potential Immune Targets. Paper presented at the International Congress of Malaysian Society for Microbiology (Icmsm) 2013, Langkawi Lagoon Resort, Kedah, Malaysia.
- 12.** Hudu S A, Bello A, Jimoh AbdulGafar O., Sirajo Bello Shittu and Sani Z: Haematoproteinuria as Diagnostic Criterion for Urinary Schistosomiasis In Endemic Rural Communities. In: Nigerian Medical Association Annual General Meeting and 3rd Scientific Conference: 2012; Usmanu Danfodiyo University Teaching Hospital Sokoto: Nigerian Medical Association; 2012: 33.
- 13.** Hudu AS JA, Abubakar K, Bello A, and Sani Z: An Assessment of Malaria Diagnosis and Treatment versus Patients Affordability in Sokoto Metropolis. In: Nigerian Medical Association Annual General Meeting and 3rd Scientific Conference: 2012; Usnamu Danfodiyo University Teaching Hospital Sokoto: Nigerian Medical Association Sokoto; 2012: 34.
- 14.** Jimoh Abdulgafar O. MTU, Hudu A. Shuaibu, Zuwaira Sani, Ahmed Ismail M, Ibrahim Omar A five-year review of malaria cases treated in a University Clinic in Sokoto, North-Western Nigeria; Making a case for preventive strategies. In: National Annual General Meeting and Scientific Conference of the Nigerian Medical Association: 2012; International Conference Centre Abuja Nigeria Medical Association; 2012.
- 15.** Jimoh AO, Ndakotsu MA, Sani Z, Hudu AS, Abdullahi Z, Abdulrahman MB, and Abubakar K.: Prescribing Pattern in Sickle Cell Disease in Hematology Clinic of a Teaching Hospital in Sokoto northwest Nigeria. In: National Conference and Scientific meeting of the Nigerian Association of Pharmacists in Academia 2011; Ahmadu Bello University Zaria: Nigerian Association of Pharmacists in Academia; 2011: 41.
- 16.** Jimoh AO Bello S, Ndakotsu MA, Sani Z, Hudu AS, Abdullahi Z, Abdulrahman MB, and Abubakar K.: Pain management of vaso-occlusive crises in a tertiary care setting in Sokoto, Northwestern Nigeria. . In National Conference and Scientific meeting of the Nigerian Association of Pharmacist in Academia 2011: 2011; Ahmadu Bello University Zaria Nigeria: Nigerian Association of Pharmacist in Academia; 2011: 42.