

List of publications

1. Under Review: Personalized Precision Medicine (Global Health Journal)
2. Under Review: Autism and Viral Infections (Global Health Journal)
3. Under Review: Zika Virus and the vascular endothelium (AJTMH)
4. Single Nucleotide polymorphisms in Dengue infections (in preparation)
5. Gaythri Thergarajan & Shamala Devi Sekaran (2023) Diagnostic approaches for dengue infection, *Expert Review of Molecular Diagnostics*, 23:8, 643-651, DOI:[10.1080/14737159.2023.2234815](https://doi.org/10.1080/14737159.2023.2234815)
- 1 Rahim, N.S.; Wu, Y.S.; Sim, M.S.; Velaga, A.; Bonam, S.R.; Gopinath, S.C.B.; Subramaniyan, V.; Choy, K.W.; Teow, S.-Y.; Fareez, I.M.; et al. Three Members of Transmembrane-4-Superfamily, TM4SF1, TM4SF4, and TM4SF5, as Emerging Anticancer Molecular Targets against Cancer Phenotypes and Chemoresistance. *Pharmaceuticals* 2023, 16, 110. <https://doi.org/10.3390/ph16010110>
- 2 Citation: Hussin SADS, Chua AL, Al-Talib H, Sekaran SD, Wang SM. An Overview of Laboratory Diagnosis of Central Nervous System Viral Infections. *J Pure Appl Microbiol. J Pure Appl Microbiol.* Published online 07 November 2022. doi: 10.22207/JPAM.16.4.34
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- 4 Chan KR, Ismail AA, Thergarajan G, Raju CS, Yam HC, Rishya M and Sekaran SD (2022) Serological crossreactivity among common flaviviruses. *Front. Cell. Infect. Microbiol.* 12:975398. doi: 10.3389/fcimb.2022.975398
- 5 Jusof, Felicita & Lim, Chai & Aziz, Fazidatul & Soe, Hui Jen & Chandramathi, Samudi & Sekaran, Shamala & Guillemin, Gilles. (2022). Cytokines, CXCL10 and CCL2 and kynurenine metabolites, anthranilic acid accurately predicts patients at risk of developing Dengue with Warning Signs. *The Journal of infectious diseases*. 226. 10.1093/infdis/jiac273.
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- 7 Chan, S.M.; Khoo, K.S.; Sekaran, S.D.; Sit, N.W. Mode-Dependent Antiviral Activity of Medicinal Plant Extracts against the Mosquito-Borne Chikungunya Virus. *Plants* 2021, 10, 1658. <https://doi.org/10.3390/plants10081658>
- 8 Rhanye Mac Guad1,2* , Ernest Mangantig3 , Wah Yun Low4,5, Andrew W. Taylor-Robinson6,7,8, Meram Azzani9 , Shamala Devi Sekaran10, Maw Shin Sim1 and Nornazirah Azizan11*
- 9 Development and validation of a structured survey questionnaire on knowledge, attitude, preventive practice, and treatment-seeking behaviour regarding dengue among the resident population of Sabah, Malaysia: an exploratory factor analysis. *BMC Infect Dis* (2021) 21:893 <https://doi.org/10.1186/s12879-021-06606-6>
- 10 Guad, R.M.; Wu, Y.S.; Aung, Y.N.; Sekaran, S.D.; Wilke, A.B.B.; Low, W.Y.; Sim, M.S.; Carandang, R.R.; Jeffree, M.S.; Taherdoost, H.; et al. Different Domains of Dengue Research in Malaysia: A Systematic Review and Meta-Analysis of

- Questionnaire-Based Studies. *Int. J. Environ. Res. Public Health* 2021, 18, 4474.
<https://doi.org/10.3390/ijerph18094474>
- 11 Sekaran SD, Ismail AA, Thergarajan G, Chandramathi S, Rahman SKH, Mani RR, Jusof FF, Lim YAL and Manikam R (2022) Host immune response against DENV and ZIKV infections. *Front. Cell. Infect. Microbiol.* 12:975222. doi: 10.3389/fcimb.2022.975222
 - 12 Rishya Manikam, Wang Seok Mui, Y Yong Yean Kong, Chandramathi Samudi Raju and Shamala Devi Sekaran. Differential Analysis and Putative Roles of Genes, Cytokines and Apoptotic Proteins in Blood Samples of Patients with Respiratory Viral Infections: A Single Center Study. *J Pure Appl Microbiol* | 15(4):2448-2461 | December 2021 Article 7197 | <https://doi.org/10.22207/JPAM.15.4.72>
 - 13 [Joshua C D'Aeth](#) , [Mark PG van der Linden](#), [Lesley McGee](#), [Herminia de Lencastre](#), [Paul Turner](#), [Jae-Hoon Song](#), [Stephanie W Lo](#), [Rebecca A Gladstone](#), [Raquel Sá-Leão](#). The role of interspecies recombinations in the evolution of antibiotic resistant pneumococci. *eLife* 2021;10:e67113 DOI: [10.7554/eLife.67113](https://doi.org/10.7554/eLife.67113)
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 - 14 Evaluation of immature platelet fraction as a marker of dengue fever progression Kah Wai Looi, Yukari Matsui, Mari Kono , Chandramathi Samudi , Nozomi Kojima , Jin Xu Ong , Chin Aun Tan, Chong Siang Ang, Peter Hao Yuan Tana, Hemalatha Shamnugama, Shamala Devi Sekaran, Sharifah Faridah Syed Omar, Lucy Chai See Lum. 2021. *International Journal of Infectious Diseases* 110 (2021) 187–194
 - 15 Rhanye Mac Guad , Ernest Mangantig , Wah Yun Low, Andrew W. Taylor-Robinson⁶, Meram Azzani , Shamala Devi Sekaran, Maw Shin Sim and Normazirah Azizan. Development and validation of a structured survey questionnaire on knowledge, attitude, preventive practice, and treatment-seeking behaviour regarding dengue among the resident population of Sabah, Malaysia: an exploratory factor analysis *BMC Infect Dis* (2021) 21:893 <https://doi.org/10.1186/s12879-02106606-6>
 - 16 Zika virus and the blood-brain barrier Rishya Manikam, Soe Hui Jen, Amni Adilah Ismail, Chandramathi Samudi Raju, and Shamala Devi Sekaran. 2021. In *Zika Virus Biology, Transmission, and Pathways The Neuroscience of Zika Virus*. Chapter 19: 209-217
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