

Syed Muhammad Umer ABDULLAH
Department of Electrical Engineering



Employment

Doctor of Philosophy (Student), PhD Electrical Engineering

Department of Electrical Engineering

City University of Hong Kong

1 Aug 2022 → present

Research outputs

HMMPolish: a coding region polishing tool for TGS-sequenced RNA viruses

Yu, R., Abdullah, S. M. U. & Sun, Y., Sept 2023, In: *Briefings in Bioinformatics*. 24, 5, bbad264.

Global prevalence of SARS-CoV-2 3CL protease mutations associated with nirmatrelvir or ensitrelvir resistance

Ip, J. D., Chu, A. W., Chan, W., Leung, R. C., Abdullah, S. M. U., Sun, Y. & To, K. K., May 2023, In: *eBioMedicine*. 91, 104559. Scopus citations: 27

Risk Factors for Slow Viral Decline in COVID-19 Patients during the 2022 Omicron Wave

Li, X., Tam, A. R., Chu, W., Chan, W., Ip, J. D., Chu, A. W., Abdullah, S. M. U., & 7 others Yip, C. C., Chan, K., Wong, S. S., Cheng, V. C., Yuen, K., Hung, I. F. & To, K. K., Aug 2022, In: *Viruses*. 14, 8, 1714. Scopus citations: 5

Probable Animal-to-Human Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Delta Variant AY.127 Causing a Pet Shop-Related Coronavirus Disease 2019 (COVID-19) Outbreak in Hong Kong

Chan, J. F., Siu, G. K., Yuan, S., Ip, J. D., Cai, J., Chu, A. W., Chan, W., & 32 others Abdullah, S. M. U., Luo, C., Chan, B. P., Yuen, T. T., Chen, L., Chik, K. K., Liang, R., Cao, H., Poon, V. K., Chan, C. C., Leung, K., Tam, A. R., Tsang, O. T., Chan, J. M., To, W., Lam, B. H., Lee, L., Lo, H. W., Wong, I. T., Leung, J. S., Wong, E. Y., Chu, H., Yip, C. C., Cheng, V. C., Chan, K., Tse, H., Lung, D. C., Ng, K. H., Au, A. K., Hung, I. F., Yuen, K. & To, K. K., 1 Jul 2022, In: *Clinical Infectious Diseases*. 75, 1, p. e76–e81 Scopus citations: 14

Rapid spread of SARS-CoV-2 Omicron subvariant BA.2 in a single-source community outbreak

Cheng, V. C., Ip, J. D., Chu, A. W., Tam, A. R., Chan, W., Abdullah, S. M. U., Chan, B. P., & 11 others Wong, S., Kwan, M. Y., Chua, G. T., Ip, P., Chan, J. M., Lam, B. H., To, W., Chuang, V. W., Yuen, K., Hung, I. F. & To, K. K., 1 Jul 2022, In: *Clinical Infectious Diseases*. 75, 1, p. e44–e49 Scopus citations: 56

Boosting of serum neutralizing activity against the Omicron variant among recovered COVID-19 patients by BNT162b2 and CoronaVac vaccines

Lu, L., Chen, L., Zhang, R. R., Tsang, O. T., Chan, J. M., Tam, A. R., Leung, W., & 14 others Chik, T. S., Lau, D. P., Choi, C. Y., Fong, C. H., Cai, J., Tsoi, H., Choi, C. Y., Zhang, X., Abdullah, S. M. U., Chan, B. P., Chan, K., Yuen, K., Hung, I. F. & To, K. K., May 2022, In: *eBioMedicine*. 79, 103986. Scopus citations: 23

Contribution of low population immunity to the severe Omicron BA.2 outbreak in Hong Kong

Chen, L., Abdullah, S. M. U., Chan, W., Chan, B. P., Ip, J. D., Chu, A. W., Lu, L., & 10 others Zhang, X., Zhao, Y., Chuang, V. W., Au, A. K., Cheng, V. C., Sridhar, S., Yuen, K., Hung, I. F., Chan, K. & To, K. K., 2022, In: *Nature Communications*. 13, 3618. Scopus citations: 43

A Multivariate Empirical Mode Decomposition Based Approach to Pansharpening

Abdullah, S. M. U., Rehman, N. U., Khan, M. M. & Mandic, D. P., Jul 2015, In: *IEEE Transactions on Geoscience and Remote Sensing*. 53, 7, p. 3974–3984 Scopus citations: 42

Multi-Scale Pixel-Based Image Fusion Using Multivariate Empirical Mode Decomposition
Rehman, N. U., Ehsan, S., Abdullah, S. M. U., Akhtar, M. J., Mandic, D. P. & McDonald-Maier, K. D., May 2015, In: Sensors. 15, 5, p. 10923-10947Scopus citations: 31

Press/Media

Why Hong Kong is great for birdwatching, where's best to go and the equipment you need

Syed Muhammad Umer ABDULLAH

14/07/21

1 item of Media coverage