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RESEARCH INTERESTS

Data Security and Privacy in Cloud Computing, Mobile computing and IoT, Information Security, Cryptography, Blockchain, Web Mining, IoT and Wearable sensors.

Research Publications Summary

Indexing Body	Publications	Citations	h-index
Google Scholar	36	512	11
Scopus	22	205	6

Recent Publications:

- **Ravi Kumar. P.**, Au Thien Wan and Muhammad Hazmi Bin Mohd Yaya. 'Smart LPG Usage and Leakage Detection Using IoT and Mobile Application'. International Journal of Systems, Control and Communications, Inderscience, (Scopus, Q4)2022. Accepted, will be published soon.
- **P. Ravi Kumar**, P. Herbert Raj and Sharul Tajuddin. 'Exploring the Possibilities of Blockchain and Smart Contract-Based Digital Certificate', Submitted as Book chapter in Taylor & Francis, "Advances in Cyber Security and Intelligent Analytics", 2022.
- Mohammad Safwan Nasrun Haji Daud, **P. Ravi Kumar** and Au Thien Wan. 'Automated IoT based Smart Aquaculture Shrimp Farming in Brunei'. ICSCA-22, Feb 2022, ACM proceedings.
- **P. Ravi Kumar** and Hj Rudy Erwan Bin Hj Ramlie. 'Anatomy of Ransomware: Attack Stages, Patterns and Handling Techniques'. CIIS-2020, Proceedings in Springer Nature. 25-27 January 2021.
- **Ravi Kumar. P.**, Au Thien Wan and Wida Susanty Haji Suhaili. 'Data Security and Privacy Issues in IoT Based on Five-Layer Architecture'. International Journal of Communication Networks and Information Security (IJCNIS), Scopus (Q3). 12(1), April 2020.

Current Research Projects

- UTB Internal grant (2022-23) - 'Wearable Sensors to Monitor and Improve the Player's Performance in Sports'. Principal Investigator, Mohamad Saiful Omar (Co-investigator) and Sharul Tajuddin (Co-investigator).
- UTB Internal Research grant (2022-23) - 'Digital scroll for degree certificate using Blockchain Technology'. Co-investigator along with Serina Mohd Ali and Au Thien Wan (Principal Investigator).
- AiTi grant – 'IoT Based Smart Garbage Monitoring System for Campus'. Izzat Aizaq bin Romzi, Ravi Kumar and Wida Susanty Suhaili.