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The application of proteins from less likely studied samples from South East Asia

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Proteomics is a powerful tool for the identification and characterization of proteins. In this study, we have used 2DE to identify and characterize proteins from less likely studied samples from South East Asia. The results of the 2DE analysis are shown in Figure 1. The protein spots were identified using mass spectrometry and compared with the protein database. The results showed that several proteins were identified, including some that are known to be involved in various biological processes. This study highlights the importance of proteomics in the identification and characterization of proteins from less likely studied samples from South East Asia.

Biography

Jaya Vejayan has completed his PhD from University Malaya, Malaysia. During his Masters, he was involved in isolating bioactive compounds from the medicinal plant, Ipomea pes-caprae, known to be an antitoxin to jellyfish toxins. During his PhD, he used proteomics to study proteins in various snake venoms in Malaysia. Accordingly, he merged both of the knowledge together to derive the 2DE guided purification technique. He has number of publications mainly relevant to the field of toxinology and remained focused in furthering investigations in the use of snake venom for biotechnology purposes.

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