

## **Profile Page**

### **Research Interests :**

Applied Cryptography, Information Security

### **Journal Publications :**

<b>Year</b>	<b>Journal</b>	<b>Publication</b>
2022	IEEE Transactions on Engineering Management (IF - 8.702)	Mamta, B. B. Gupta and M. D. Lytras, Fog-Enabled Secure and Efficient Fine-Grained Searchable Data Sharing and Management Scheme for IoT-Based Healthcare Systems
2022	International Journal of Intelligent Systems (IF - 8.993)	Brij B. Gupta, Mamta, Rajan Mehla, Alhalabi Wadee, and Alsharif Hind, Blockchain technology with its application in medical and healthcare systems: A survey
2021	IEEE/CAA J. Autom. Sinica (IF - 7.847)	Mamta, Brij B. Gupta, Kuan-Ching Li, Victor C. M. Leung, Kostas E. Psannis and Shingo Yamaguchi, Blockchain-Assisted Secure Fine-Grained Searchable Encryption for a Cloud-Based Healthcare Cyber-Physical System
2021	Journal of Computer Virology and Hacking Techniques	Mamta and Brij Gupta, An attribute-based keyword search for m-Health networks
2020	Journal of Organizational and End Computing	Mamta and Brij B. Gupta, Secure Fine-Grained Keyword Search with Efficient User Revocation and Traitor Tracing in the Cloud
2019	Concurrency and Computation: Practice and Experience (IF - 1.536)	Mamta and B.B. Gupta, An Efficient KP Design Framework of Attribute-Based Searchable Encryption for User Level Revocation in Cloud
2019	International Journal of E-Services and Mobile Applications	Mamta, B. B. Gupta and Syed Taqi Ali, Dynamic Policy Attribute Based Encryption and its Application in Generic Construction of Multi-Keyword Search
2019	Journal of Information Technology Research	Mamta, B. B. Gupta and Syed Taqi Ali, ISEkFT: An IBE-Based Searchable Encryption Scheme with k-Keyword Fuzzy Search Trapdoor

### **Conference Publications :**

<b>Year</b>	<b>Conference</b>	<b>Publication</b>
2020	9th International Conference on Computational Data and Social Networks, Dallas, TX.	Mamta, B. B. Gupta, John Chui Kwok Tai and Konstantinos Psannis, Metadata Security Measures for Protecting Confidential Information on the Cloud
2019	8th Global Conference on Consumer Electronics (GCCE), Osaka, Japan	Mamta and B. B. Gupta, Secure Fine-Grained Multi-Keyword Search with Protection from Key Abusers in the Cloud

### **Book/Chapter Publications :**

<b>Type</b>	<b>Title</b>	<b>Publisher</b>	<b>Authors</b>	<b>ISBN/ISS N No.</b>	<b>Year</b>
Authored Book	Secure Searchable Encryption and Data Management	CRC Press, Taylor and Francis	Brij B. Gupta and Mamta	9780367619671	2021

Book Chapter	An Attribute-Based Searchable Encryption Scheme for Non-Monotonic Access Structure	Handbook of Research on Intrusion Detection Systems, IGI Global	Mamta and Brij B. Gupta		2020
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## Patents :

Name	Reg./Ref. No.	Date of Award/Filling	Organization	Status
Method and system of performing a fine-grained searchable encryption for resource-constrained devices in m-health network	2021102048		Innovation Patent Australia	Granted