

- based remote authentication in cloud. In IFIP International Conference on Computer Information Systems and Industrial Management, Springer, Berlin, Heidelberg, pp. 112-121. https://doi.org/10.1007/978-3-662-45237-0_12
- [9] Naveed, G., Batool, R. (2015). Biometric authentication in cloud computing. *Journal of Biometrics & Biostatistics*, 6(5): 1. <https://doi.org/10.4172/2155-6180.1000258>
- [10] Haghghat, M., Zonouz, S., Abdel-Mottaleb, M. (2015). CloudID: Trustworthy cloud-based and cross-enterprise biometric identification. *Expert Systems with Applications*, 42(21): 7905-7916. <https://doi.org/10.1016/j.eswa.2015.06.025>
- [11] Hahn, C., Hur, J. (2016). Efficient and privacy-preserving biometric identification in cloud. *ICT Express*, 2(3): 135-139. <https://doi.org/10.1016/j.ict.2016.08.006>
- [12] Bala, Y., Malik, A. (2018). Biometric inspired homomorphic encryption algorithm for secured cloud computing. In *Nature Inspired Computing*, Springer, Singapore, pp. 13-21. https://doi.org/10.1007/978-981-10-6747-1_2
- [13] Pan, S., Yan, S., Zhu, W.T. (2016, July). Security analysis on privacy-preserving cloud aided biometric identification schemes. In *Australasian Conference on Information Security and Privacy*, Springer, Cham, pp. 446-453. https://doi.org/10.1007/978-3-319-40367-0_29
- [14] Kumar, S., Singh, S.K., Singh, A.K., Tiwari, S., Singh, R.S. (2018). Privacy preserving security using biometrics in cloud computing. *Multimedia Tools and Applications*, 77(9): 11017-11039. <https://doi.org/10.1007/s11042-017-4966-5>
- [15] Lee, P. (2017). Prints charming: how fingerprints are trailblazing mainstream biometrics. *Biometric Technology Today*, 2017(4): 8-11. [https://doi.org/10.1016/S0969-4765\(17\)30074-7](https://doi.org/10.1016/S0969-4765(17)30074-7)
- [16] Zhang, C., Zhu, L., Xu, C. (2017). PTBI: An efficient privacy-preserving biometric identification based on perturbed term in the cloud. *Information Sciences*, 409: 56-67. <https://doi.org/10.1016/j.ins.2017.05.006>
- [17] Kumari, S., Li, X., Wu, F., Das, A.K., Choo, K.K.R., Shen, J. (2017). Design of a provably secure biometrics-based multi-cloud-server authentication scheme. *Future Generation Computer Systems*, 68: 320-330. <https://doi.org/10.1016/j.future.2016.10.004>
- [18] Al-Hamami, A.H., AL-Juneidi, J.Y. (2015). Secure mobile cloud computing based-on fingerprint. *World of Computer Science & Information Technology Journal*, 5(2): 23-27.
- [19] Shakil, K.A., Zareen, F.J., Alam, M., Jabin, S. (2017). BAMHealthCloud: A biometric authentication and data management system for healthcare data in cloud. *Journal of King Saud University-Computer and Information Sciences*. <https://doi.org/10.1016/j.jksuci.2017.07.001>
- [20] Maltoni, D. (2003). A tutorial on fingerprint recognition, advanced studies in biometrics. Summer School on Biometrics, Alghero, Italy. https://doi.org/10.1007/11493648_3
- [21] Wieclaw, L. (2009). A minutiae-based matching algorithms in fingerprint recognition systems. *Journal of Medical Informatics & Technologies*, 13.
- [22] Rutovitz, D. (1966). Pattern recognition. *Proceedings of Journal in Royal Statistical Society*, vol. 129. <https://doi.org/10.2307/2982255>
- [23] Wang, Y.X., Ao, X.Y., Du, Y.F., Li, Y.P. (2006). A fingerprint recognition algorithm based on principal component analysis. In *TENCON 2006-2006 IEEE Region 10 Conference*, Hong Kong, China, pp. 1-4. <https://doi.org/10.1109/TENCON.2006.344032>
- [24] Martinez, V.G., Encinas, L.H., Ávila, C.S. (2010). A survey of the elliptic curve integrated encryption scheme. *Ratio*, 80(1024): 160-223.
- [25] Shankar, T.N., Sahoo, G., Niranjana, S. (2012). Using the digital signature of a fingerprint by an elliptic curve cryptosystem for enhanced authentication. *Information Security Journal: A Global Perspective*, 21(5): 243-255. <https://doi.org/10.1080/19393555.2012.694978>
- [26] Paillier, P. (1999, May). Public-key cryptosystems based on composite degree residuosity classes. In *International Conference on the Theory and Applications of Cryptographic Techniques*, Berlin, Heidelberg, pp. 223-238. https://doi.org/10.1007/3-540-48910-X_16
- [27] Blanton, M., Gasti, P. (2011). Secure and efficient protocols for iris and fingerprint identification. In *European Symposium on Research in Computer Security*, Springer, Berlin, Heidelberg, pp. 190-209. https://doi.org/10.1007/978-3-642-23822-2_11