

References

- [1] L. U. Khan, I. Yaqoob, M. Imran, Z. Han and C. S. Hong, "6G Wireless Systems: A Vision, Architectural Elements, and Future Directions," *IEEE Access*, vol. 8, pp. 147029-147044, Aug. 2020.
- [2] D. Wan, M. Wen, F. Ji, H. Yu and F. Chen, "Non-Orthogonal Multiple Access for Cooperative Communications: Challenges, Opportunities, and Trends," *IEEE Wireless Communications*, vol. 25, no. 2, pp. 109-117, Apr. 2018.
- [3] Liaqat, Mahrukh, Kamarul Ariffin Noordin, Tarik Abdul Latef, and Kaharudin Dimiyati, "Power-domain non orthogonal multiple access (PD-NOMA) in cooperative networks: an overview," *Wireless Networks*, vol. 25, no. 1, pp. 181-203, Jan. 2020.
- [4] Huu Q. Tran, Tien-Tung Nguyen, Ca V. Phan, and Quoc-Tuan Vien, "Power-splitting relaying protocol for wireless energy harvesting and information processing in NOMA systems," *IET Communications*, vol. 13, no. 14, pp. 2132-2140, Aug. 2019.
- [5] Huu Q. Tran, Ca V. Phan, and Quoc-Tuan Vien, "Power splitting versus time switching based cooperative relaying protocols for SWIPT in NOMA systems," *Physical Communication*, vol. 41, pp. 1010981-101113, Aug. 2020.
- [6] Z. Ding, X. Lei, G. K. Karagiannidis, R. Schober, J. Yuan and V. K. Bhargava, "A Survey on Non-Orthogonal Multiple Access for 5G Networks: Research Challenges and Future Trends," *IEEE Journal on Selected Areas in Communications*, vol. 35, no. 10, pp. 2181-2195, Oct. 2017.
- [7] Mathur, H., Deepa, T., "A Survey on Advanced Multiple Access Techniques for 5G and Beyond Wireless Communications," *Wireless Pers Commun*, vol. 118, pp. 1775-1792, May. 2021.
- [8] Huu Q. Tran, Ca V. Phan, and Quoc-Tuan Vien, "Optimizing energy efficiency for supporting near-cloud access region of UAV based NOMA networks in IoT systems," *Wireless Communications and Mobile Computing*, vol. 2021, pp. 1-12, Oct. 2021.
- [9] Huu Q. Tran, Ca V. Phan, and Quoc-Tuan Vien, "Performance analysis of power-splitting relaying protocol in SWIPT based cooperative NOMA systems," *EURASIP Journal on Wireless Communications and Networking*, pp.110-136, Apr. 2021.
- [10] S. H. Amin, A. H. Mehana, S. S. Soliman and Y. A. Fahmy, "Power Allocation for Maximum MIMO-NOMA System User-Rate," *IEEE Globecom Workshops (GC Wkshps)*, Abu Dhabi, United Arab Emirates, Dec. 2018, pp. 1-6.
- [11] A. Agarwal, R. Chaurasiya, S. Rai and A. K. Jagannatham, "Outage Probability Analysis for NOMA Downlink and Uplink Communication Systems With Generalized Fading Channels," *IEEE Access*, vol. 8, pp. 220461-220481, Dec. 2020.
- [12] S. Timotheou and I. Krikidis, "Fairness for Non-Orthogonal Multiple Access in 5G Systems," *IEEE Signal Processing Letters*, vol. 22, no. 10, pp. 1647-1651, Oct. 2015.
- [13] Q. Sun, S. Han, C. -L. I and Z. Pan, "On the Ergodic Capacity of MIMO NOMA Systems," *IEEE Wireless Communications Letters*, vol. 4, no. 4, pp. 405-408, Aug. 2015.
- [14] P. Sharma, A. Kumar, and M. Bansal, "Performance analysis of downlink NOMA over $\eta - \mu$ and $\kappa - \mu$ fading channels," *IET Commun.*, vol. 14, no. 3, pp. 522-531, Feb. 2020.
- [15] Konicanin, S., Vasic, S., Milic, D., Petrovic, N., & Suljovic, S, "Outage Probability of the Dual-Hop AF Relay Transmission System in the $\eta - \mu$ Fading Channel," *28th Telecommunications Forum (TELFOR)*, Nov. 2020, pp. 1-4.
- [16] J. Men, J. Ge and C. Zhang, "Performance Analysis for Downlink Relaying Aided Non-Orthogonal Multiple Access Networks With Imperfect CSI Over Nakagami- m Fading," *IEEE Access*, vol. 5, pp. 998-1004, 2017.
- [17] Shravan Kumar Bandari, Satyendra Singh Yadav, V.V. Mani, "Analysis of GFDM in generalized $\eta - \mu$ fading channel: A simple probability density function approach for beyond 5G wireless applications," *AEU - International Journal of Electronics and Communications*, pp. 154260-154284, vol. 153, Aug. 2022.
- [18] J. M. Romero-Jerez and F. J. Lopez-Martinez, "A New Framework for the Performance Analysis of Wireless Communications Under Hoyt (Nakagami-q) Fading," *IEEE Transactions on Information Theory*, vol. 63, no. 3, pp. 1693-1702, Mar. 2017.
- [19] Suresh Kumar Balam, P. Siddaiah, Srinivas Nallagonda, "Optimization analysis of cooperative spectrum sensing system over generalized $\kappa - \mu$ and $\eta - \mu$ fading channels," *Wireless Personal Communications*, no. 4, pp. 1-20, Oct. 2020.
- [20] E. Martos-Naya, J. M. Romero-Jerez, F. J. Lopez-Martinez and J. F. Paris, "A MATLAB program for the computation of the confluent hypergeometric function Φ_2 ," *Repositorio Institucional Universidad de Malaga RIUMA.*, Tech. Rep, pp. 1-3, Sep. 2016.
- [21] Gradshteyn, I.S., Ryzhik, I.M., "Table of integrals, series and products," *Academic, San Diego, CA, 7th edn*, 2007.