Profile

Name: **Dr. Ali M. A**

Designation & Address:
Associate Professor and Head,
Department of Computer Applications(MCA),
Government Engineering College,
Thrissur, Kerala-680 009.

Telephone and Email: 9895464415, ali@gectcr.ac.in

Educational Qualifications:

1. **Ph.D** from University of Calicut.
   Title of the Thesis: Physical Layer Improvement Techniques in 4G/5G wireless communications Networks
2. **M.Sc** in Applied Psychology from Bharathiar University.
3. **M.Tech** in Fibre Optics and light wave Engineering, from IIT Karagpur.
4. **B.Tech** in Electronics and Communication Engineering, from Kerala University.

Teaching Experience: 28 years of teaching experience in various Engineering colleges in India and Abroad.

List of Publications:

1. Shemi. P. M., & **Ali, M. A**. (2012). A principal component analysis method for recognition of human faces: Eigenfaces approach. *International Journal of Electronics Communication and Computer Technology* (IJECCT), 2(3), 139-144.
2. Shemi. P. M., & **Ali, M. A.** (2015, July). Analysis of Signal Denoising Methods based on Wavelet Transform. In *Proceedings of 28th IRF International Conference (pp. 74-79).*
3. **Ali. M. A** & Jasmin, E. A. (2015, December). Physical layer improvements in 4G/5G wireless communication networks through link adaptation techniques. In *2015 International Conference on Power, Instrumentation, Control and Computing* (PICC) (pp. 1-5). IEEE.
4. **Ali. M. A** & Shemi, P. M. (2015, December). An improved method of audio denoising based on wavelet transform. In *2015 International Conference on Power, Instrumentation, Control and Computing* (PICC) (pp. 1-6). IEEE.
5. **Ali. M. A**., & Jasmin, E. A. (2017). Optimization of SpectralEfficiency in Massive-MIMO TDD Systems with Linear Precoding. *Advances in Computational Sciences and Technology*, 10(4), 501-517.
6. Shemi. P. M., Jibukumar, M. G., & Ali, M. A. (2018, February). Artificial Noise Aided Secrecy Enhancement in Amplify-and-Forward Relay Networks. In *2018 5th International Conference on Signal Processing and Integrated Networks* (SPIN) (pp. 192-196). IEEE.
7. **Ali M A** & Jasmin E A, "A Novel Pilot Decontamination Method for Massive MIMO Systems Using Social Spider Optimization Algorithm," *Journal of Communications*, vol. 13, no. 4, pp. 145-154, 2018. Doi: 10.12720/jcm.13.4.145-154.
8. **Ali M A** & Jasmin E A. (2018). Adaptive modulation and interference cancellation techniques for MIMO-OFDM wireless networks. *International Journal of Networking and Virtual Organisations*, 18(3), 246-264.
9. Shemi. P. M., Jibukumar, M. G., & **Ali. M. A.** (2018, June). Ant Colony Optimization based Relay Selection for Secrecy Enhancement in Decode-and-Forward Relay Networks. In *2018 14th International Wireless Communications & Mobile Computing Conference* (IWCMC) (pp. 1278-1283). IEEE.
10. Shemi. P. M., Jibukumar, M. G., & **Ali. M. A**. (2019). Nelder-Mead–based power optimization for secrecy enhancement in amplify-and-forward cooperative relay networks. *International Journal of Communication Systems*, e3965.

Membership of Professional bodies: ISTE

Permanent Address : Bait Al Ahlam, Mekalady, Kalady.Ernakulam District, Kerala-683574 Phone: 0484-2699092