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Dr. C.G.Balaji is working as Assistant Professor in the Department of Computer Science and Engineering at SRMIST, Ramapuram, Chennai. He has nearly 7 years of teaching experience and apart from his regular qualification, he is also certified in various courses NPTEL. He holds a Ph. D. degree in the field of Next Generation Networks from College of Engineering Guindy, Anna University Chennai since 2021. He has published articles in National and International Journals, Conferences and Symposiums. He is well acquainted with the theoretical aspects of the subject and the design aspects of their applications. He has expertise in the field of Networks, especially Wireless, Cellular and Next Generation Networks. He also has a good knowledge in related fields like Internet of Things and Software Defined Networks.

Area of Research:

Next Generation Networks, 4G/LTE, 5G, B5G, SDN, IoT, VANET

Selected Publications:

- Thiayagarajan, K & **Balaji, CG** 2012, 'Traversal algorithm for complete coverage,' Journal of Computer Science, vol. 8, no. 12, pp. 2032–2041.
- **Balaji, CG**, Nidhia, V & Murugan, K 2019, 'Optimal handover scheme for device-to-device communication in highly mobile LTE HetNets,' Wiley– International Journal of Communication Systems, Published Online. (Impact factor: 2.047)
- **Balaji, CG**, Anu Monisha, A & Murugan, K 2020, 'A Novel Hybrid UE Selection Scheme for Efficient Data Offloading Using D2D Communication,' Oxford University Press– The Computer Journal, vol. 63, no. 10, pp. 1513–1523. (Impact Factor: 1.494)
- **Balaji, CG** & Murugan, K 2021, 'Extending the coverage of evolved Node-B by relaying data using device-to-device offloading in next generation cellular network,' Springer– Peer-to-Peer Networking and Applications, vol. 14, pp. 3820–3830. (Impact Factor: 3.307)

Professional Bodies:

- International Association of Engineers (IAENG) (Member No.: 318162), Hongkong, HK.
- Associate Member of Institute of Engineers (Membership No.: AM3058703) in COMPUTER ENGINEERING Division.
- Life Member (Membership No.: LM-137191) of Indian Society for Technical Education.

Google Scholar:

<https://scholar.google.com/citations?user=klgbAPIAAAAJ&hl=en>

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