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**LIST OF ABBREVIATIONS**

1. BS - Base Station
2. CH - Cluster Head
3. WSN - Wireless Sensor Networks
4. IBFD - In-Band Full-Duplex
5. AN - Artificial Noise
6. MANET - Mobile Ad-Hoc Network
7. E2R2 - Energy*-*Efficient and Reliable Routing
8. DCH - Deputy Cluster Head
9. TCL - Tool Command Language
10. NS - Network Simulator
11. DSDV - Destination Sequenced Distance Vector Routing
12. TCP - Transmission Control Protocol
13. UDP - User Datagram Protocol