

i. **Journal Articles:**

- i. Kamil, K.R., **Yusuf, A.O.**, Yakubu, S.A., & Seriki, S.B. (2021). Renewable Energy Resources Hybridization as an Efficient and Cost-Effective Alternative for Electrification. *Nigerian Journal of Technological Development (NJTD)*, 18(3), 174 – 183.
- ii. Ajiboye, A.T., Opadiji, J.F., **Yusuf, A.O.**, & Popoola, J.O. (2021). Analytical determination of load resistance value for MQ-series gas sensors: MQ-6 as case study. *TELKOMNIKA Telecommunication, Computing, Electronics and Control*. 19(2), 575 – 582.
- iii. **Yusuf, A.O.**, Kamil, R.K, Ayinla, S.L., Usman, A.U., & Gbigbadua, H.K. (2020). Design and Implementation of an AC Power Generator using DC Motor. *Journal of Engineering and Applied Sciences (JEAS)*, 17(2), 188 – 195.
- iv. Ajiboye, A.T., **Yusuf, A.O.**, & Odewole, M.M. (2020). Development of Instrumentation System for a Laboratory Model Food Product Dryer. *FUOYE Journal of Engineering and Technology (FUOYEJET)*, 5(1), 26 – 30.
- v. Ajiboye, A.T., **Yusuf, A.O.**, Yusuf, K.O., & Ogunlela, A.O. (2020). Development of Electromagnet for Laboratory Water Treatment Experiments. *FUOYE Journal of Engineering and Technology (FUOYEJET)*, 5(1), 22 – 25.
- vi. Ajiboye, A.T., **Yusuf, A.O.**, & Ajayi, A.R. (2019). CHARACTERIZATION AND ANALYSIS OF PROPAGATION TIME DELAY RANGE WITHIN NIGCOMSAT-1R SATELLITE FOOTPRINTS. *Nigerian Journal of Technological Development*, 16(3), 105 – 110.
- vii. Ayinla, S.L., Ajiboye, A.T., **Yusuf, A.O.**, Dilibe, C.G., & Ajayi, A.R. (2019). Design and Development of 3-Axes Accelerometer Wireless Sensor Nodes for Pipeline Monitoring. *African Journal of Computing & ICT*, 12(1), 22 – 27.
- viii. Ajiboye, A.T., Ayinla, S.L., & **Yusuf, A.O.** (2018). Effects of PID Controller Position in Control System Loop on Time Domain Performance Parameters. *African Journal of Computing & ICT*, 11(4), 29 – 36.

ii. **Conference Papers:**

- i. Ajiboye, A.T., Abdulkareem, S.A., Adewuyi, O.A., & **Yusuf, A.O.** (2019). Development of an indigenous automobile speed limiter for Nigerian vehicles. *U6CAU*, 1(1), 12 – 22.

- ii. **Yusuf, A.O.**, Ayinla, S. L., Usman, A.U., & Gbigbadua, H.K. (2018). Design and Implementation of an A.C Power Generator using D.C Motor. *2018 INTERNATIONAL CONFERENCE PROCEEDINGS: FACULTY OF ENGINEERING, UNIZIK*. (pp. 1014 – 1022). Awka, Nigeria.
 - iii. Bajeh, A.O., Abdulkadir, A.B., & **Yusuf, A.O.** (2018). Steganography: Increasing the Size of Hidden Messages. *First International Conference on ICT for National Development and its Sustainability, UNILORIN*. (pp. 61 – 75). Ilorin, Nigeria.
- iii. **Books:**
- i. Opadiji, J.F., Ajiboye, A.T., Olatunji, S., Ayinla, S.L., Ajayi, A.R., & **Yusuf, A.O.** (2018). Undergraduate computer engineering laboratory manual (Vol. 3): microprocessor system interfacing; prototyping and packaging; artificial intelligence applications. *Department of Computer Engineering, University of Ilorin, Ilorin Nigeria*.
 - ii. Opadiji, J.F., Ajiboye, A.T., Olatunji, S., Ayinla, S.L., Ajayi, A.R., & **Yusuf, A.O.** (2017). Undergraduate computer engineering laboratory manual (Vol. 2): measurement & instrumentation; digital electronic circuits; data communication & networks. *Department of Computer Engineering, University of Ilorin, Ilorin Nigeria*.
- iv. **Patents:**
- i. Ajiboye, A.T., Abdulkareem, S.A., Adewuyi, O.A., **Yusuf, A.O.**, Adedokun, G.A., & Mahmud, H.O. (2019). Development of Second Version of Unilorin Automobile Speed Limiter.
 - ii. Ajiboye, A.T., Abdulkareem, S.A., Adewuyi, O.A., **Yusuf, A.O.**, Adedokun, G.A., & Mahmud, H.O. (2018). Development of Unilorin Automobile Speed Limiter.
- v. **Thesis:**
- i. **Yusuf, A.O.**, & Ajiboye, A.T. (2021). Development of cloud-based gas level control system for the hazardous gas environment. *University of Ilorin, Ilorin Kwara State Nigeria*.
 - ii. **Yusuf, A.O.**, & Usman, A.U. (2014). Design and Implementation of an A.C Power Generator using D.C Motor. *Federal University of Technology, Minna Niger State Nigeria*.