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# **Circular Economy: Nigeria Perspective**

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### Abstract

Nigeria is a lower middle-income country and is ranked as the largest economy in Africa with a gross domestic product of 444.92 billion (<u>www.imf.org</u>). The country is located on the western coast of Africa, has an area of 923, 763 km<sup>2</sup> and is bounded by Benin Republic in the west, Niger Republic in the north, Cameroun in the east and Gulf of Guinea in the south.

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#### References

- Anukam, L. C. (2011). Statement on the round table on moving towards zero waste and sound management of chemicals, The 19th session of the UN Commission on Sustainable Development (High-level Segment), Federal Republic of Nigeria. Available at: <u>https://sustainabledevelopment.un.org/content/documents/425nigeria.pdf</u>. Accessed June 14, 2019.
- Aremu, A. S., & Sule, B. F. (2010). Policies, practices and challenges of municipal solid waste management in Nigeria. *Environmental Issues*, 3(1), 1–10. Published by the Department of Geography and Environmental Management, University of Ilorin, Nigeria.<u>Google Scholar</u>
- Aremu, A. S., & Ganiyu, H. O. (2019). Waste to energy: Developing countries' perspective. In S. Ghosh (Ed.), *Waste management and resource efficiency* (pp. 167– 176). Singapore: Springer.<u>CrossRefGoogle Scholar</u>
- 4. Ezeohaa, S. L., & Ugwuishiwu, B. O. (2011). Status of abattoir wastes research in Nigeria. *Nigerian Journal of Technology*, *30*(2), 143–148. <u>Google Scholar</u>
- 5. Grolier Incorporated. (1962). *The American peoples Encyclopedia*. New York, NY: Spencer Press Inc.<u>Google Scholar</u>
- 6. <u>https://www.imf.org</u> World Economic Outlook. (April, 2019). Assessed June 7, 2019.
- 7. https://www.worldbank.org. Nigeria overview. Assessed June 8, 2019.
- Lasode, O. A., Balogun, A. O., Aremu, S. A., Akande, K. A., Ali, M. C., & Garuba, A. O. (2015). Optimum location analysis for wood waste-to-energy plant in Ilorin, Nigeria. *Journal of Solid Waste Technology and Management*, 41(1), 50–59. CrossRefGoogle Scholar
- 9. National Policy on Solid Waste Management. (2018). Federal Republic of Nigeria. <u>Google Scholar</u>
- Nnaji, C. C. (2015). Status of municipal solid waste generation and disposal in Nigeria. Management of Environmental Quality: An International Journal, 26(1), 53– 71.<u>CrossRefGoogle Scholar</u>
- 11. Ogunmakinde, O. E. (2016). Developing a circular economy-based construction waste management framework for Nigeria, Poster Presentation at the Conference of the Faculty of Engineering and Built Environment (FEBE), University of Newcastle, Australia (FEBE). Available at:

https://Www.Researchgate.Net/Publication/318337956\_developing\_a\_circular\_economy-

<u>based\_construction\_waste\_management\_framework\_for\_nigeria/references</u>. Accessed June 14, 2019.

- 12. Olukanni, D. O., Adeleke, J. O., & Aremu, D. O. (2016). A review of local factors affecting solid waste collection in Nigeria. *Pollution*, 2(3), 339–356. Google Scholar
- Olukanni, D. O., & Aremu, O. D. (2017). Provisional evaluation of composting as priority option for sustainable waste management in South-West Nigeria. *Pollution*, 3(3), 417–428.<u>Google Scholar</u>
- Olukanni, D. O. & Oresanya, O. O. (2018). Progression in waste management processes in Lagos State, Nigeria. *Journal of Engineering Research in Africa (JERA)*, 35, 11– 23.<u>Google Scholar</u>
- Olukanni, D. O., & Nwafor, C. O. (2019). Public-private sector involvement in providing efficient solid waste management services in Nigeria. *Recycling*, 4(19), 1–9.<u>Google</u> <u>Scholar</u>
- Sujauddin, M., Huda, S. M., & Hogue, A. T. (2008). Household solid waste characteristics and management in Chittagong, Bangladesh. *Waste Management*, 28, 1688–1695.<u>CrossRefGoogle Scholar</u>
- 17. Thanh, N. P., Matsui, Y., & Fujiwara, T. (2011). Assessment of plastic waste generation and its potential recycling of household solid waste in Can Tho City. *Vietnam. Environmental Monitoring*, 175, 23–25. CrossRefGoogle Scholar
- 18. Waste Management World. (2019). <u>https://waste-management-world.com/a/the-future-of-the-circular-economy</u>. Site accessed on 10/06/2019.
- 19. Wilson, D. C., Rodic, L., Scheinberg, A., Velis, C. A., & Alabaster, G. (2012). Comparative analysis of solid waste management in 20 cities. *Waste Management Research*, *30*, 237–254. CrossRefGoogle Scholar
- 20. World Economic Forum. (2018). Platform for accelerating the circular economy. Available online at: <u>http://www3.weforum.org/docs/WEF\_PACE\_Platform\_for\_Accelerating\_the\_Circular\_E</u> conomy.pdf. Accessed June 14, 2019.
- 21. Ying, J., & Li-Jun, Z. (2012). Study on green supply chain management based on circular economy. *Physics Procedia*, 25, 1682–1688.<u>CrossRefGoogle Scholar</u>

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