



Name: James Ndiritu

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BRIEF PROFILE/EDUCATIONAL BACKGROUND

Mr. James Ndiritu holds an M.Sc (Applied Analytical Chemistry) from Kenyatta University and a First Class Honors Bachelor of Education (Science) degree from Moi University. He is highly creative and motivated Environmental/Physical Chemist involved in the study of levels of essential trace elements in food substances and water, heavy metals in environmental samples, water remediation techniques using locally available materials. He is currently undertaking a research on removal of phenolic compounds from contaminated water using raw and modified fruit waste products. He is a member of Kenya Chemical Society (KCS) and Kenya Association of Food Safety and Protection (KAFSAP). He has vast experience in training teachers and preparing students for science fair having been a judge for many years. He has experience working in a matrixed environment, with proven project management experience and excellent communication skills Leadership ability, initiative, and sound judgment, the ability to prioritize under pressure and adapt to changing demands, and the ability to make rapid progress against goals despite tight timelines are critical skills.

PUBLICATIONS

<https://www.researchgate.net/profile/James-Ndiritu>

<https://scholar.google.com/citations?user=7W1I-wMAAAAJ&hl=en>

1. Ndung'u, S., Nthiga, E., Wanjau, R. and **Ndiritu, J.** (2021c). Kinetic modeling of Cu^{2+} , Cd^{2+} and Pb^{2+} ions adsorption onto raw and modified *Artocarpus heterophyllus* L. seeds from a model solution. *Asian Journal of Research in Chemistry*. 14(4): 237-241.
2. Ndung'u, S., Nthiga, E., Wanjau, R. and **Ndiritu, J.** (2021b). Adsorption Studies of Lead (II) Ions from a Synthetic Media using Jackfruit (*Artocarpus heterophyllus* L.) Rags: Kinetics, Equilibrium and Thermodynamic Studies. *International Journal of Scientific Research in Chemical Sciences*, 8(4): 5-12.
3. **Ndiritu, J.**, Mwangi, I., Wanjau, R. and Murungi, I. (2021a). Adsorption studies of *p*-Nitrophenol from model aqueous solutions using raw and quaternised thorn melon (*Cucumis metuliferus*) peels. *Asian Journal of Research in Chemistry*, **14(1)**:1-6. DOI: 10.5958/0974-4150.2021.00001.8
4. **Ndiritu, J.** (2020c). Influence of dietary habits on essential elements and lead levels in finger nails and scalp hair of adult males in Kenya. *International Journal of Research and Innovation in Applied Sciences*, **5(10)**: 110-114.
5. **Ndiritu, J.**, Mwangi, I., Murungi, J. and Wanjau, R. (2020b). Uptake of *p*-Nitrophenol (PNP) from model aqueous solution using raw and quaternised *Afromomum melegueta* peels. *African Journal of Pure and Applied Sciences*. **1 (1)**: 1-8.
6. Ndung'u, S., Wanjau, R., Nthiga, E., **Ndiritu, J.** and Mbugua, G. (2020c). Complexation equilibrium studies of Cu^{2+} , Cd^{2+} and Pb^{2+} ions onto ethylenediamine quaternised *Artocarpus heterophyllus* L. seeds from aqueous solution. *IOSR Journal of Applied Chemistry*, 13(12): 1-12.
7. **Ndiritu, J.**, Wanjau, R and Murungi, J. (2013b). Lead and zinc in finger nails and scalp hair of adult males in Kenya. *International Journal for Innovation, Education and Research*, **1 (4)**: 95-108.
8. **Ndiritu, J.**, Murungi, J. and Wanjau, R. (2013a). Lead and calcium in human males using finger nails and scalp hair. *International Journal of Physical and Social Sciences* **3 (1)**: 393-410.
9. **Ndiritu, J.**, Murungi, J. and Wanjau, R. (2012c). Essential elements and lead in males using finger nails and scalp hair. Lap Lambert Academic Publishing, Germany. ISBN: 978-3-659-31203-8.

10. **Ndiritu, J.,** Murungi, J., Wanjau, R. and Njogu, K. (2012b). Assessment of lead risk exposure factors in adult males in Kenya. *International Journal of Physical and Social Sciences* **2 (12)**: 525-546.
11. **Ndiritu, J.,** Wanjau, R and Murungi, J. (2012a). Lead in finger nails and scalp hair of adult males in Kenya. *International Journal of Physical and Social Sciences* **2 (10)**: 211-224.