

**HCTE academic staffs who published the research papers in international/national  
reputable journals (since 2021)**

**Ahmed, Kassim** and Tadesse, Abi and Dechassa, Nigussae and Diaz, Isabel, Fe-Al Binary Composite Filled Dialysis Membrane Tubes ((DMT-HFAO): Modified Method for Assessment of Phosphate Desorption from Aqueous and Soil Solutions. Available at SSRN: <https://ssrn.com/abstract=4384291> or <http://dx.doi.org/10.2139/ssrn.4384291>

**Asrat** Fekadu Demsie, Girma Tilahun Yimer and Solomon Sorsa Sota. Pesticide Residues and Associated Public Health Risks in Vegetables from Irrigated Farms Adjacent to Rift Valley Lake Ziway, Ethiopia. Journal of Food Quality Volume 2024, Article ID 5516159, 15 pages. <https://doi.org/10.1155/2024/5516159>.

Awadalla, M.; Alahmadi, J.; **Cheneke, K.R.**; Qureshi, S. Fractional Optimal Control Model and Bifurcation Analysis of Human Syncytial Respiratory Virus Transmission Dynamics. Fractal Fract. **2024**, 8, 44. <https://doi.org/10.3390/fractalfract8010044>

**Benta Sina**, Hewan Demissie & Yayis Rezene (2024) Assessment of the Constraints and Challenges in Avocado (Persea Americana Mill.) Production and Marketing in Southern Ethiopia, International Journal of Fruit Science, 24:1, 60-72, DOI: [10.1080/15538362.2024.2317775](https://doi.org/10.1080/15538362.2024.2317775)

**Cheneke, K. R.** (2023). Optimal control analysis for modeling HIV transmission. Iranian Journal of Numerical Analysis and Optimization, 13(Issue 4), 747-762. doi: 10.22067/ijnao.2023.78096.1165 – Issues?

**Dakamo, Dereje**, An Examination of Primary School Teachers' Perception of School Readiness Programs (November 5, 2023). Cypriot Journal of Educational Sciences, Volume 18, Issue 4, (2023) 644-654, Available at SSRN: <https://ssrn.com/abstract=4623930>.

**Daniel WM-Bekele**, GirmaTilahun, Dadebo E, Haileslassie A, Gebremariam Z. Organochlorine, organophosphorus, and carbamate pesticide residues in an Ethiopian Rift Valley Lake Hawassa: occurrences and possible ecological risks. Environ Sci Pollut Res Int. 2024 Mar 22. doi: 10.1007/s11356-024-32848-3.

**Daniel Woldamicael Bekele**, Elias Dadebo, Girma Tilahun, Zinabu Gebremariam, "Awareness and Disposal Practices of Medicines among the Community in Hawassa City, Ethiopia", Journal of Toxicology, vol. 2023, Article ID 4603993, 13 pages, 2023. <https://doi.org/10.1155/2023/4603993>.

**Daniel, W.B.**, Fick, J., Tilahun, G., Dadebo, E. and Gebremariam, Z., 2024. Pharmaceutical Pollution in an Ethiopian Rift Valley Lake Hawassa: Occurrences and Possible Ecological Risks. Environmental Challenges, p.100901. <https://doi.org/10.1016/j.envc.2024.100901>.

**Dessalegn, E.**, & Rupasinghe, H. P. V. (2021). Phenolic compounds and in vitro antioxidant activity of Moringa stenopetala grown in South Ethiopia. International Journal of Food Properties, 24(1), 1681–1692. <https://doi.org/10.1080/10942912.2021.1990943>

**Dessalegn, E.**, Bultosa, G., Haki, G., Chen, F., & Rupasinghe, H. P. V. (2022). Antioxidant and cytotoxicity to liver cancer HepG2 cells in vitro of Korarima (Aframomum corrorima (Braun) P.C.M. Jansen) seed extracts. International Journal of Food Properties, 25(1), 1–10. <https://doi.org/10.1080/10942912.2021.2019268> .

**Engeda Dessalegn, Mengisteab Mathewos, Hiwot Gebremeskel, Nigatu Tuasha (2024).** Determination of total phenolic and flavonoid contents, antioxidant and antibacterial potential of the bark extracts of Syzygium guineense (Wild.) DC. <https://doi.org/10.21203/rs.3.rs-3319804/v1> - Preprint

**Fekadu Demsie, A.,** Tilahun Yimer, G., & Sorsa Sota, S. (2024). Assessment of Potential Human Health Risk Associated With Heavy Metals in Soil – Vegetables System Irrigated by Rift Valley Lake Ziway, Ethiopia. *Analytical Letters*, 1–26. <https://doi.org/10.1080/00032719.2024.2330487>

**Haile Hasana,** Sheleme Beyene, Alemayehu Kifilu, Selamyihun Kidanu, "Effect of Phosphogypsum Amendment on Chemical Properties of Sodic Soils at Different Incubation Periods", *Applied and Environmental Soil Science*, vol. 2022, Article ID 9097994, 11 pages, 2022. <https://doi.org/10.1155/2022/9097994>

**Hailu , Y.,** & Dinato, M. (2023). Linguistic Landscape of Hawassa City. *The Ethiopian Journal of Social Sciences and Language Studies (EJSSLS)*, 10(1), 35-47. <https://journals.ju.edu.et/index.php/ejssls/article/view/4647>.

**Hibret Demissie,** Andargachew Gedebo, Getachew Agegnehu, "Agronomic Potential of Avocado-Seed Biochar in Comparison with Other Locally Available Biochar Types: A First-Hand Report from Ethiopia", *Applied and Environmental Soil Science*, vol. 2023, Article ID 7531228, 15 pages, 2023. <https://doi.org/10.1155/2023/7531228>

**Kassim Ahmed <sup>a</sup>,** Abi M. Tadesse <sup>b</sup>, Nigussie Dechassa <sup>c</sup>, Isabel Diaz <sup>d</sup> (2023). Kinetics of phosphorus desorption from soils using a modified DMT-HFAO technique and its relationship with phosphorus fractions and maize (*Zea mays* L.) yield. <https://doi.org/10.1016/j.arabjc.2023.105283>

**Kumama Regassa Cheneke,** "Fractional Derivative Model for Analysis of HIV and Malaria Transmission Dynamics", *Discrete Dynamics in Nature and Society*, vol. 2023, Article ID 5894459. <https://doi.org/10.1155/2023/5894459>.

**Kumama Regassa Cheneke**, "Optimal Control and Bifurcation Analysis of HIV Model", Computational and Mathematical Methods in Medicine, vol. 2023, Article ID 4754426, 21 pages, 2023. <https://doi.org/10.1155/2023/4754426>

**Kumama Regassa Cheneke**, "Optimal Control and Bifurcation Analysis of HIV Model", Computational and Mathematical Methods in Medicine, vol. 2023, Article ID 4754426, 21 pages, 2023. <https://doi.org/10.1155/2023/4754426>

Mazengia, G., **Dessaegn, E.** and Dessaegn, T., 2022. Effect of Moringa stenopetala leaf extracts on the physicochemical characteristics and sensory properties of lagered beer. Food Science & Nutrition, 10(2), pp.507-514. [10.1002/fsn3.2672](https://doi.org/10.1002/fsn3.2672)

Medalcho TH, Abegaz K, **Dessaegn E**, Mate J. Afflation B1 Detoxification Potentials of Garlic, Ginger, Cardamom, Black Cumin, and Sautéing in Ground Spice Mix Red Pepper Products. Toxins (Basel). 2023 Apr 24;15(5):307. doi: 10.3390/toxins15050307. PMID: 37235342; PMCID: PMC10220635.

Raj Kumar, Naina Gautam, Shashikant Yadav, Venkatesh Thulasiraman, Anil Yadav, **Nasir Awol**, "Moth Bean, Gelatin, and Murraya Koenigii Leaves Extract-Based Film and Coating: Effect of Coating on Shelf and Quality of Solanum Melongena", Journal of Food Quality, vol. 2022, Article ID 8606104, 10 pages, 2022. <https://doi.org/10.1155/2022/8606104>

**Samuel Zinabu Haile**, Binyam Sisay Mendisu, "Early-Grade Reading: The Challenges That Affect Teachers' Practice of Phonological Awareness: The Case of Koorete Language", Education Research International, vol. 2023, Article ID 9527369, 14 pages, 2023. <https://doi.org/10.1155/2023/9527369>

**Sina, B.,** Demissie, H. & Rezene, Y. Evaluation of smallholder farmers' use of indigenous knowledge in Ethiopian avocado (*Persea americana* Mill.) production and fruit preference criteria. *CABI Agric Biosci* 4, 57 (2023). <https://doi.org/10.1186/s43170-023-00198-8>.

**Sintayehu Demeke Kassa,** Buruk Wolde-Michael Jima, Tsegaye Zeleke Tufa (2020). Orthodox Christianity among the Gedeo, Southern Ethiopia: Inception and Development to 1991. *International Journal of Multicultural and Multireligious Understanding* 7(5). <http://dx.doi.org/10.18415/ijmmu.v7i5.1873>.

Temesgen Laelago                      Ersedo, Tilahun                      A. Teka, Sirawdink Fikreyesus  
Forsido, **Engida Dessalegn,** Janetdeyinka Adebo, Metekia Tamiru & Tess Astatkie (2023 ). Food flavor enhancement, preservation, and bio-functionality of ginger (*Zingiber officinale*): a review, *International Journal of Food Properties*, 26:1, 928-951, DOI: [10.1080/10942912.2023.2194576](https://doi.org/10.1080/10942912.2023.2194576)

**Teshager Ali,** Solomon Belay and Sutuma Edessa (2022). INDIGENOUS KNOWLEDGE TRANSFER: THE CASE OF TRADITIONAL MEDICINE AND AGRICULTURAL PRACTICES. *African Journal of Chemical Education*. 12(2): <https://www.ajol.info/index.php/ajce/article/view/229357>.

**Teshome Bekele Sime,** Mulu Geta Gencha & Taye Gebremariam Olamo (2024). Effects of Blended Instruction on students' paragraph writing performances: the case of first year Health science pharmacy students at Pharma College Hawassa Campus, Ethiopia, *Cogent Education*, 11:1, <https://doi.org/10.1080/2331186X.2024.2321309>

**Tomora, Dereje Dakamo.** An Investigation of Play-Based Instruction Practice and Challenges in Hawassa College of Teacher Education. Online Submission, *Research on Humanities and Social Sciences* v12 n17 p32-42 2022.

**Tuasha, N.,** Escobar, Z., Seifu, D., Gadisa, E., Petros, B., Sterner, O. and Oredsson, S., 2022.

Cytotoxic and other bioactivities of a novel and known sesquiterpene lactones isolated from *Vernonia leopoldi* (Sch. Bip. ex Walp.) Vatke in breast cancer cell lines. *Toxicology reports*, 9, pp.382-392. <https://doi.org/10.1016/j.toxrep.2022.02.011>

**Tuasha, N.,** Fekadu, S. & Deyno, S. Prevalence of herbal and traditional medicine in Ethiopia: a systematic review and meta-analysis of 20-year studies. *Syst Rev* 12, 232 (2023). <https://doi.org/10.1186/s13643-023-02398-9>.