

My Profile



Name: Dr. Kiboi Dismas Chenge

Designation: Lecturer

Department: Renewable energy and Technology

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Brief profile/ Educational Background

Dr. Kiboi began his academic journey at Kamosong Primary school, where he studied from 1989 to 1997. He then transitioned to Cheptais Boys High School (1998-2001), successfully completing his secondary education and qualifying to join Kenya Science Teachers training College in 2003 for a three year program.

Upon graduating, he started his teaching career in 2007 at Chepkube S.A Secondary School then later at S.A Kolanya Girls' National School, Busia County where he simultaneously pursued a Bachelor's Degree in Education Science at Kabarak University (2010-2013) through a school based program. Motivated to advance his expertise, he enrolled for a Master's degree in Theoretical Physics at the University of Eldoret where he graduated in 2019. Demonstrating a remarkable dedication, he pursued a PhD in the same field at the same University where he successfully completed in 2024.

Following his doctoral studies, Dr. Kiboi joined Turkana University College as a lecturer transferring his service from High School teaching to the department of Renewable Energy and Technology. Dr. Kiboi was elated to join the institution of higher learning which he always longed to be part. He is passionate about engaging in research that supports nation-building and the development of educational and innovative strategies for societal positive impact.

Major Publications

1. Kiboi D. Chenge and Khamala G. Wanjala (2026). *Spontaneous Fission and Cluster Disintegration of Superheavy Nuclei*. WSN 217 (2026) 14-23
<https://doi.org/10.65770/CVEQ6200>
2. Natang'ah, E.C., Waswa, M.N. and Kiboi, D.C. (2026). *Natural Radioactivity and Associated Radiological Hazard in Ceramic and Porcelain Sanitary Ware Products Sold*

in Kenya. Open Access Library Journal, **13**:e15421.

<https://doi.org/10.4236/oalib.1115421>

3. Kiboi Dismas Chenge (2026). *The Specific Heat for Black Holes*. WSN 213 pp. 170-179
4. Jophine S. Namwetako, Dismas C. kiboi, Tanui P. Kiprotich, Hezekiah K. Cherop and Kapil M. Khanna (2025). *Search for Electron-Electron Interaction In Cooper Pairs In terms of Universal Constants*. WSN 207 pp. 161-173
5. Cherop H.K., Tanui, P.K., Sirma, K.K., Kiboi, D.C. and Khanna, K.M. (2025). *Probable Decay Modes of Superheavy Nuclei and Cluster Radioactivity*. Journal of High Energy Physics, Gravitation and Cosmology, 11, 230-242
6. P.K Tanui, D.C Kiboi and K.M Khanna (2025). *Role of Cooper Pair Molecules in determining Specific Heat and Transition Temperature of Kagome Metals in Superconducting State*. WSN 202 pp.1-14
7. Kiboi Dismas Chenge, Limo C. Samuel and Kapil M. Khanna (2023). *Parameters of Magic-Angle Twisted Bilayer Graphene (MATBG) Superconductors*. WSN 184 pp. 130-142
8. Kiboi D. Chenge, Peter Tanui, Limo C. Samuel and Kapil M. Khanna (2023). *Electron-Hole Superconductivity in Bilayer Superconductors*. SITA Vol. 25 No. 2-3 pp. 43-61.
9. Kiboi D. Chenge, Limo C. Samuel and Kapil M. Khanna (2022). *Bogoliubov-de Gennes (BdG) Hamiltonian for electron-Hole Superconductors*. WSN 172 pp. 43-54
10. D.C Kiboi, J.K Tonui and K.M Khanna (2019). *Effects of the Magnetic Field on the value of specific heat jump on LiTi₂O₄ superconductor*. IJSRET, Vol. 8 Issue 6, 262-271.

Research interest

1. Theoretical Physics
2. Renewable energy
3. Socio-Economic and Development studies