

## PUBLICATIONS FOR 2014/ 2015 ACADEMIC YEAR

### I. JOURNAL ARTICLES

1. **Chepkorir, B., Rotich, J. K., Tonui, B. C. and Langat, R. C.** (2014). Intersection matrices associated with non-trivial suborbit corresponding to the Action of Ranks 3 Groups on the set of unordered pairs. *International Journal of Scientific & Technology Research*, **3**:1-7.
2. **Chirchir, D. K., Mshimba, S. M., Cheruiyot, G., and Adongo, J. O.** (2014). Antimicrobial activity and phytochemical investigation of crude extracts of the fruits of *Solanum incanum* (Solanaceae) and *Dovyalis abyssinica* (Flacourtiaceae). *Science Journal of Microbiology*, Vol. 2014, Article ID sjmb- 193, 4 Pages, 2014. Doi:10.7237/sjmb/193.
3. Erima, J. A. and **Wosyanju, M. G.** (2014). Exploring new grounds in HIV/AIDS prevention in Kenya: The role of public Universities in attainment of Vision 2030. *Journal of Biology, Agriculture and Healthcare*, **4**: 1-7.
4. **Kamau, M. S., Kipbichii, C. A., and Mwangi, H. R.** (2014). Intensive care management of poisoning in a resource-limited health care setting in Western Kenya. *International Journal of Humanities and Social Science*, **4**: 189-194.
5. Kireger, E. K. and **Rop, S. K.** (2014). An assessment of morphological and physiological traits that correlate with faster growth rate and high biomass production in *Acacia tortilis* (Forsk.) Hayne seedlings. *Advances in Life Sciences and Technology* (Online), **9**: 6 pp. ISSN 2222-1719.
6. Kireger, E. K., **Rop, S. K.**, and Hall, J. B. (2014). Variation in seedling density, herbivory and disease incidence among seedlings stages and mother *Prunus africana* trees growing on varying microsites in a traditional rainforest in Kenya. *Journal of Natural Science Research* (Online), **6**: 9 pp. ISSN 2222-2863.
7. **Kirui, J. K.**, Cheruiyot, T. K., Maru, L. C. and Mutai, E. (2015). Effects of job characteristics on retirement intentions outcome among retired civil servants in Kenya. *Global Journal of Commerce & Management Perspective*, **4**: 60-67.
8. **Kirui, J. K.**, Cheruiyot, T. K., Maru, L. C., and Mutai, E. K. (2015). Moderating effect of employee personality on the relationship between job characteristics and retirement intentions outcome among retired civil servants in selected Counties in Kenya. *International Journal of Economics, Commerce and Management*, **5**: 1593-1608.
9. **Kirui, J.K.**, Kemei, C. C., and Rotich, J. (2015). Determinants of completion time of projects funded from Constituency Development Fund in Kenya: A survey of projects in Ainamoi Constituency. *European Journal of Business and Management*, **7**: 172-182.
10. **Kirui, J. K.**, Mutai, E. K., Jeptoo, A. and Ngeno, D. D. (2015). Determinants of employee retirement intentions decisions in private sector in Kenya: A survey of employees of Finlay (K) Limited. *European Journal of Business and Management*, **7**: 106 -120.
11. **Kirui, J. K.**, Tirop, H. C., and **Rotich, J. K.** (2014). Socio-economic effects of liberalization of small scale tea sector in Kenya: Evidence from tea farmers in Konoin District. *Research Journal of Finance and Accounting*, **5**: 148-161.
12. Kulo, S. A., **Onchera, P. O.**, and Indembukhani, A. (2014). Influence of background knowledge on reading comprehension ability in Kenyan secondary schools. *Journal of Emerging Trends in Educational Research and Policy Review*, **5**: 592-599.
13. **Langat, R. C., Tonui, B. C., and Lagat, J. J.** (2014). Estimation of population total using model-based approach: A case of HIV/AIDS in Nakuru Central District, Kenya. *International Journal of Scientific & Technology Research*, **3**:171-175.
14. **Makero, S. C.** and **Bii, J. K.** (2015). Nutrition and its effects on learning among the early childhood and primary education (EPE) children of Sigor Location. *African Journal of Education, Science and Technology*, **2**: 103-105.

15. **Mandila, B., Hitimana, J.,** Kiplagat, A., Mengich, E. and Wekesa, T. (2015). Prevalence and adoption of agroforestry technologies and practices in semi-arid regions of West-Pokot County, Kenya. *Research Journal of Agriculture and Forestry Sciences*, 3: 6-15.
16. **Manduku, J.,** Ogek, M. and Koske, M. (2015). Competencies required by Heads of Department in secondary schools in Kenya: A case of Siaya District. *Elixir Leadership Management*, **80**: 31165-31168.
17. **Mibei, E. K.,** Orago, A. S. S., Stoute, J. A., and Otieno, F. M. (2014). Variant antigens characterize Pathologic Immune Complexes in severe *Plasmodium falciparum* malaria. *Journal of Medical Science & Clinical Research*, **2**: 3103-3118.
18. **Mibei, E. K., Rono, S. J.,** Stoute, J., and Waitumbi, J. N. (2014). Cr1 Binding Assay: A novel Elisa assay for measuring Circulating Immune Complexes. *European Scientific Journal*, **10**: 125-137.
19. Mutai, E. K., Cheruiyot, T. K., and **Kirui, J. K.** (2015). Impact of participatory management on employee performance: A case of Moi University. *Global Journal of Commerce & Management Perspective*, **4**: 54-59.
20. Mutiso, F. M., Cheboiwo, J. Kiyiapi, J. L., Sang, F. K., and **Hitimana, J.** (2014). Comparative study of sampling methods for efficient diagnosis of health status of selected natural forest ecosystems in Kenya. *Journal of Natural Sciences Research*, **5**: 37-47.
21. Ngure, P., Ng'ang'a, Z., **Kimutai, A.,** Kepha, S., Mong'are, S., Ingonga, J., and Tonui, W. (2014). Immunostimulatory responses to crude extracts of *Warburgia ugandensis* (Sprague) subsp *ugandensis* (Canellaceae) by Balb/c mice infected with *Leishmania major*. *Pan African Medical Journal*, **17**(Supp. 1): 85-90.
22. **Nzioki, J. M.,** Onyango, R. O. and Ombaka, J. H. (2015). Socio-demographic factors influencing maternal and child health service utilization in Mwingi; a rural semi-arid District in Kenya. *American Journal of Public Health Research*, **3**: 21-30.
23. **Obulemire, T. A., King'ori, P. and Ondiek, B. A.** (2014). Applicability of Servqual/Rater Model in assessment of service quality among Local Authorities in Kenya. *International Journal of Economics, Commerce and Management*, **2**: 16 pp.
24. **Omuniyin, M. E., Ruto, J., Yegon, M. K. A.,** and Bii, F. (2014). Dairy production constraints in Kericho and Bomet Counties of Kenya: Evidence from farmers fields. *International Journal of Science and Research (IJSR)*, **3**: 1241-1246.
25. Olwamba, O. L., **Owino, M. O.,** and Omukunda, A. S. (2015). Partition of Measurable Sets. *Journal of Advances in Mathematics*, **10**: 3759-3763.
26. Omam, A. O. and **Apudo, M. G.** (2015). The Influence of socio-cultural aspects of ethnobotany on tree species propagation in home gardens: A case study in Miwani Division, Kisumu County, Western Kenya. *Journal of Agriculture and Veterinary Science*, **8**: 18-25.
27. **Owino, M. O.** and Musoga, C. (2015). On the regular elements of a class of Commutative Completely Primary Finite Rings. *International Journal of Algebra*, **9**: 101-107.
28. Owiti, T. O., **Onchera, P. O.,** and Kulo, S. A. (2014). Use of oral literature in the teaching of English grammar in secondary schools in Bondo District - Kenya. *Educational Research*, **5**: 183-191.
29. Owoche, P. O. and **Wanyembi, G.** (2015). Evaluating total cost of ownership of University Enterprise Resource Planning: Case of Maseno University. *Journal of Computer Engineering*, **17**: 79-87.
30. **Rioba, N. B.,** Itulya, F., Saidi, M., Dudai, N. and Bernstein, N. (2015). Effects of nitrogen, phosphorus and irrigation frequency on essential oil content and composition of sage (*Salvia officinalis* L.). *Journal of Applied Research on Medicinal and Aromatic plants*: doi: 10.1016/j.jarmap.2015.01.003 (Online; 5 March, 2015).
31. **Rono, J. K. and Langat, C. R.** (2015). Factors that affect students' & pupils' academic performance in Kericho West District: A case study of Seretut Location. *International Journal of Information Research and Review*, **2**: 792-796.

32. **Rono, S. J.**, Kakai, R., and Esamai, F. (2014). Prevalence and clinico-demographic characteristics associated with bacterial diarrhea among HIV positive and negative children aged below five years at Moi Teaching and Referral Hospital, Kenya. *American Journal of Life Sciences*, **2**: 1-8.
33. **Rono, S. J.**, Kakai, R., Esamai, F., Chebore, S. and **Kimutai, A.** (2014). Antibiotic profiles of bacterial enteropathogens associated with diarrhoea among HIV positive and negative patients aged below five years in Western Kenya. *Journal of Medical Science & Clinical Research*, **2**: 2345-2356.
34. **Rono, S. J.**, Kakai, R., Esamai, F., **Mibei, E.**, Odundo, E. (2014). Pathotypes and virulence markers in *Escherichia coli* associated with diarrhoea among HIV seropositive and seronegative children below five years in Western Kenya. *European Scientific Journal*, **10**:180-195.
35. **Rop, S. K.**, Imo, M., and **Koech, E. K.** (2015). Early nitrogen fixation by improved short rotation fallow species in soils of Western Kenya. *Advanced Journal of Agric. Research*, **3**: 1-7.
36. **Rotich, J. K.**, Maritim, S. K., and Bitok, J. K. (2014). Crank-Nicholson-Lax-Friedrich's Finite Difference Schemes arising from Operator Splitting for solving 2-dimensional heat equation. *International Journal of Scientific & Technology Research (Online)*, **3**: 5 pp.
37. **Rotumoi, J.** and Kipkoech, L. C. (2014). Teachers' attitudes towards the use of Instructional Resources in teaching of the Novel. *Canadian Center of Science and Education*, **4**: 58-64.
38. **Rutto, R.** and **Ondiek, A.** (2014). Impact of exchange rate volatility on Kenya's tea exports. *International Journal of Economics, Commerce and Management (Online)*, **2**: 18pp.
39. Sallau, A. B., Tahid, Y., Salman, A. A., Abdullahi, H. L., Ibrahim, M., **Kiplimo, J. J.**, and Buga, M. L. (2015). Effect of kihadalactone on plasma recalcification time of *Naja katiensis* and *Bitis arietans* venoms treated bovine plasma. *European Journal of Pharmaceutical and Medical Research*, **2**: 178-184.
40. **Sang, C. C.** (2015). Relationship between students' family socio-economic status, self esteem. *International Journal of Education and Research*, **3**: 647-656.
41. **Sang, C. C.**, Chepchieng, M. and Kariuki, M. (2015). Relationship between students' family socio-economic status, school category and academic achievement in Kericho County, Kenya. *Journal of Academic Research for Multidisciplinary*, **3**: 464-476.
42. Sikuku, O. F., **Apudo, M. G.**, and Ototo, G. O. (2014). Factors influencing development of farm forestry in Lugari District, Kakamega County, Western Kenya. *Journal of Agriculture and Veterinary Science*, **7**: 6-13.
43. **Tabot, B. A.** (2014). University supervisors' and student teachers' assessment of the value of Teaching Practice and school context Challenges in Kenya. *Journal of Education and Practice*, **5**: 137-144.
44. **Tonui, B. C.**, **Langat, R. C.**, and **Gichengo, J. M.** (2014). On Markovian Queuing Models. *International Journal of Science & Research*, **3**: 93-96.
45. **Too, E. K.**, Chepchieng, M. C. and Ochola, J. (2015). Effect of academic staff retention on quality education in private universities in Kenya. *Problems of Education in the 21<sup>st</sup> Century*, **64**: 86-93.
46. **Wadende, P. A.** (2014). Of participation roles in the field. *World Journal of Education*, **4**: 68-76.
47. **Wangila, P.T.**, Tsimbiri, P., and Nyongesa, P. (2014). Determination of selected heavy metals and iron concentration in local brews consumed in Kericho and Bomet Counties in South Rift, Kenya (2014). *Asian Academic Research Journal of Multidisciplinary*, **1**: 515-525.
48. **Wosyanju, M.G.** and Ayieko, J. S. (2014). Education and dialogue in Kenya: A means of resolving conflicts within higher educational institutions. *International Journal of Humanities and Social Science*, **4**: 153-158.
49. Yegon, Z. C., Matasyoh, L., Mwamburi, L. and **Yegon, M.** (2014). Prevalence of *Salmonella*

species in asymptomatic food handlers in Westlands, Nairobi. *Kenya International Journal of Science and Research (IJSR)*, **3**: 1276-1280.

50. Yegon, Z. and **Yegon, M.** (2014). Antibiotic susceptibility in *Salmonella* species isolated from asymptomatic food handlers in Westlands, Nairobi, Kenya. *International Journal of Science and Research (IJSR)*, **3**: 1384-1387.

## **II. BOOK CHAPTER**

1. **Chemosit, C. C.,** Rugutt, J., **Ngeno, V.,** and **Soi, D.** (2015). Active learning strategies in enhancing learning among college students. In “Handbook of Research on Educational Technology Integration and Active Learning”. J. Kaengwe (Ed.). IGI Global Publishers, Pennsylvania, USA. Chapter10, pp. 203-215.
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