

Kabarak university

Academic Staff Publications: 2009 - 2013

2009

Francis Musembi Kwale. Introduction to Procedural Programming Using C++. Njoro, Kenya: Egerton University Press, 2009. xii, 244 p.

C. M. Maghanga, G. A. Niklasson and C. G. Granqvist, M. Mwamburi, Optical modeling of spectrally selective reflectors based on TiO₂:Nb transparent conducting oxide films for silicon solar cell applications, *in High and Low Concentrator Systems for Solar Electric Applications IV*, edited by Lori E. Greene, Proc. of SPIE Vol. 7407, 74070F (2009).

C. M. Maghanga, G. A. Niklasson and C. G. Granqvist, Optical Properties of Sputter Deposited Transparent and Conducting TiO₂:Nb Films Thin Solid Films, 518 (2009) 1254-1258

2010

Kenneth Otula Sigar. "Assessing Opportunities of Software Re-Use for Companies." International Journal of Advanced Research in Computer Science, 2010.

Njogu Paul, Kitetu Jackson and Keriko Joseph. 2010. Organochlorine Pesticide Residue and Metabolites in Fish from Lake Naivasha, Kenya. *Journal of Environmental Science and Engineering (USA)* in No.6, Vol. 4, 2010. ISSN 1934-8932

Kitetu, J.J. 2010. The Effect of Drought Hazard on Sustainable Development and Environment in Relation to Realisation of Vision 2030 in Kenya. *Journal of Agriculture, Science and Technology*. REF:JKU/RPE/JAGST/MS/17/10.

Kitetu, J.J. 2010. The Stakeholders involvement in environmental assessment of biodiversity resources: A focus on public participation in Kenya and East Africa. *Journal of Agriculture, Science and Technology*. REF:JKU/RPE/JAGST/MS/18/10.

Njogu, P.M., Kitetu, J.J. and Keriko, J. M. 2010. Sustainable Ecosystem Management versus Economic Exploitation: A case study of Lake Naivasha Basin, Kenya. *Journal of Environmental Science and Engineering*. Volume 4, Number 7, July 2010 (serial Number 32). ISSN 1934-8932

C.M. Maghanga, J. Jensen, G.A. Niklasson, C.G. Granqvist, M. Mwamburi, Transparent and conducting TiO₂:Nb films made by sputter deposition: Application to spectrally selective solar reflectors, *Solar Energy Materials & Solar Cells* 94 (2010) 75–79

2011

P.W.O. Nyawere & K.M. Khanna .Specific heat Jump in High-T_C Superconductors. LAP LAMBERT ACADEMIC PUBLISHING. 2011. ISBN: 978-3-8454-2008-0)

Nyawere P.W.O and Khanna K.M. "Specific heat Jump and Transition temperature for $La_{2-x}Ba_xCuO_4$, $Bi_2Ca_{n-1}Sr_nCu_nO_{2n+3}$ and $Tl_2Ca_{n-1}Ba_2Cu_nO_{2n+3(2n+4)}$ superconductors" Indian journal of Pure and Applied Physics, Vol. 49, September 2011.

Muhanji, S. and Ojah, K. (2011). "External Shocks and Persistence of External Debt in Open Vulnerable Economies: The Case of Africa". *Economic Modelling*, 28, 1615 – 1628.

Muhanji, S. and Ojah, K. (2011). "Management and Sustainability of External Debt: A Focus on the Emerging Economies of Africa". *Review of Development Finance*, 1, 184 – 206.

Njogu, P.M. , and Keriko, J.M. and Wanjau, R.N., and Kitetu, J.J. . 2011.. Distribution of heavy metals in various matrices; water, soil, fish and sediments: A case study of the Lake Naivasha Basin, Kenya. *Journal of Agriculture, Science and Technology. J.agri.sci.technol.* 1SSN 1561-7645. Volume 13 Number 1, 2011

C.M. Maghanga, G.A. Niklasson, C.G. Granqvist, M. Mwamburi, Spectrally selective reflector surfaces for heat reduction in concentrator solar cells: Modeling and applications of TiO₂:Nb-based thin films, *Appl. Opt.* 50, 3296-3302 (2011)

J. Nzungize, P. Gepts, R. Buruchara, A. Male, P. Ragama, J. P. Busogoro and J. P. Baudon (2011) Introgression of *Pythium* root rot resistance gene into Rwandan susceptible common bean cultivars. *The African Journal of Plant Science* Vol. 5(3), pp. 193-200.

Tinzaara, W., Gold, C.S., Dicke, M., van Huis, A & Ragama, P.E. 2011. The effect of age, female mating status and density of the banana weevil response to aggregation pheromone. *African Crop Science Journal*. Vol. 2 No. 1 pp.105-116.

J. Nzungize, P. Ragama, J.P. Busogoro and J.P. Baudoin (2011). Assessment of *pythium ultimum* trow pathogenicity in different backcross

progenies of common bean. Annual report on Bean improvement cooperative. 211 BIC Journal Vol. 54_Cd_1.

Kebenei J. S., Ndalut P.K and Sabar A.O. (2011). Anti-plasmodium activity of Nortrachelogenin from the root bark of *Carissa edulis (Valh)*. *International Journal of Applied research in Natural Products* Vol. 4 (3) 1-5: ISSN 1940-6223

Langat B.K., Ngeno V.K., Sulo T.K., Nyangweso P.M. , Korir M.K., Kipsat M.J and Kebenei J.S. (2011). Household food security in a commercialized subsistence economy: A case of smallholder tea farmers in Nandi South District, Kenya. *Journal of Development and Agriculture Economics*. 3 (5), 201-209. ISSN: 2006-9774.

2012

Zablon Bundi Mutongu, Lily Wanjiku Njanja. Project Planning and Management: A Kenyan Experience. Limuru, Kenya: Zapf Chancery, 2012. Xiii, 109 p.

Samuel O. Onyuma, Robert K. Mugo, John Karuiya. March 2012. *Journal of Business Economics and Finance* volume 1 issue 1. *Does Cross-Border Listing (Still) Improve firm financial Performance in Eastern Africa?*

Kitetu, J.J. 2012. Supervision Matters:-, Roles and Responsibilities, Expectations and Problems. *In Research in Social Sciences by Mukuthuria ,M. (ed) and Kitetu, C.W., 2012*. Lambert Academic Publishing. Heinrich-Bocking-Str. 6-8, 66121 Saarbrücken, Deutschland, Germany. ISBN: 978-3-659-24635-7

Maxwell J. Mageto, C.M. Maghanga, M. Mwamburi, Hassan Jafri, G.A. Niklasson and C.G. Granqvist; Transparent and conductingTiO :Nb 2 thin films prepared by spray pyrolysis technique, accepted for publication in *Brazilian Journal of Physics* in March 2012 .

Christopher M. Maghanga and Mghendi M. Mwamburi, Book Chapter: Contribution of Spectrally Selective Reflector Surface to Heat Reduction in Silicon Concentrator Solar Cells in the book "[Solar Power](#)" edited by Radu D. Rugescu, ISBN 978-953-51-0014-0, InTech, February 2, 2012

Maxwell Mageto, C. M. Maghanga and Mghendi Mwamburi, The Lorentz Oscillator model simulation illustrating a broad maximum in the bulk reflectance for frequencies above the resonance frequency, *The African Review of Physics* (2012) 7:0011)

Kebenei J. S., Ndalut P.K and Sabar A.O. (2012). Anti-plasmodium activity of some medicinal plants used for treatment of malaria and synergism of

methanolic extract of *Carissa edulis* (Valh and *artemesia annua*. *Kabarak Journal of research and Innovation*. (KJRI).Vol. 1,129 – 140: ISSN 2305-784X

2013

Muhanji, S., Malikane C. and Ojah K. (2013). "Price and Liquidity Puzzles of a Monetary Shock: Evidence from Indebted African Economies". *Economic Modelling*, 33, 620 – 630.

Fredrick K. Lagat, Robert Mugo, Dr. Robert Otuya. "Effects of Credit Risk Management Practices on the Lending Portfolio among Savings and Credit Co-operatives in Kenya." *European Journal of Business and Management* Volume 5 No. 19 2013 ISSN 2222-1905.

John K Karuitha, Samuel O Onyuma, Robert Mugo. "Do Stock Splits Affect the Ownership Concentration of Firms Listed at the Nairobi Securities Exchange?" *Research Journal of Finance and Accounting* Volume 4 No 15, October 2013. Page 105-118.

Grace Kakiya, Robert Mugo, Samuel Onyuma, George Owuor, Mary Bosire. "Do Earnings Announcement have an Effect on the Level of Efficiency on the Nairobi Securities Exchange?" *Research Journal of Finance and Accounting* Volume 5 No 16. Nov. 2013. Page 148-165.

Eunice W. Wanjohi, Robert Mugo, Juma Wagoki. "Effectiveness of Electronic Inventory systems on Customer service delivery in selected supermarkets in Kenya." *European Journal of Business and Management*, vol.5, no. 32, Dec 2013. Page 46-59

Victor Rigworo KEBANDE, Kenneth Otula SIGAR, George Yogo ODONGO. "Meta-Modeling Cloud Computing Architecture in Distance Learning." *International Journal of Computer Science Issues*," vol. 10, Issue 3, No.1 May 2013. ISSN 1694-0814.

W. Ocimati, G. Blomme, D. Karamura, P. Ragama, P. Lepoint, J. P. Kanyaruguru, F. Ngezahayo, V. Ndungo and S. Hakizimana (2011). On-farm *Musa* germplasm diversity in different agro-ecologies of Burundi. *International Journal of Biodiversity and Conservation* . Vol. 5(11), pp. 751-760, November 2013

Thiga, M. M., Siror, J. K., & Githeko, J. (2013). An SMS and USSD Model for Location-based Mobile Advertising. *International Journal of Computer Science & Engineering Technology*, 4(7), 14.

Thiga, M.M (2013) Addressing Public Service Vehicle Security Challenges using an SMS and USSD Identity Confirmation System. *International Journal of Computer Engineering and Applications*, 3(3), 229.

Mang'oka A.S & Mutiti, J.K (2013)."The Relationship Between Verbal Auditory, And Visual Signification In The Acquisition Of English L2 Vocabulary By The Hearing Impaired Learners." In Ruwaza Afrika: Journal Of Contemporary Research In Humanities And Social Sciences.Vol.2 No.1 (238-261).

2014

Joy Gacheri Kithinji, Wycliffe Oluoch, Robert Mugo. "What is the effect of Rights issue on Firms share Performance in the Nairobi Securities Exchange?" *Research Journal of Finance and Accounting* Volume 5 No. 4, 2014.

Katwalo, A. M. and Muhanji, S. (2014). "Critical Success Factors for the "Unbanked" Customers in Kenya". *International Journal of Bank Marketing*, Vol. 32, No. 2, 88 – 103.

Too, W. (2014). A practical guide to joint and individual interviewing of people living with HIV in Uganda: reflections from practice, *HIV Nursing Journal*, 14:1, 22-24

Andrew Kipkebut. "An Evaluation of Web Based Expert System as a Catalyst for Maize Production in Kenya." *Computer Engineering and Intelligent Systems*. ISSN 2222-1719, vol.5, No.3, 2014.

Omanga Cleophas Mochoge. "SMES Adoption of Web-Based Marketing: Empirical Evidence from Kenya." *International Journal of Computer Science Issues*, vol.11, Issue 1, No.2, Jan 2014.

Kenneth Otula Sigar, Omari Kebiro Jared. "A Critical Look at USSD Technology Adoption and Benefits," *International Journal of Computer Science Issues*, vol. 5, No. 1, Jan-Feb 2014.

P.W.O Nyawere, S.Scandolo, N.W. Makau and G.O. Amolo "Ab initio study of defect and migration energies of barium fluoride" (*Solid State communications* 179 (2014) 25 – 28.)

P.W.O Nyawere, N.W. Makau and G.O. Amolo "Ab initio study of elastic constants of the cubic, orthorhombic and hexagonal phases of BaF₂" (*Physica B*, 434 (2014), 122 – 128.)

W. Ocimati, G. Blomme, A. Rutikanga, D. Karamura, P. Ragama, S. Gaidashova, A. Nsabimana and C. Murekezi (2014). Musa germplasm diversity status across a wide range of agro-ecological zones in Rwanda. *Journal of Applied Biosciences* 73:5979– 5990. ISSN 1997–5902

Akumu Edwin O, Kebenei Sellah, Anthoney Swamy T and Ngule Christophus Mutuku. (2014). Repellency of *Lantana camara* leave's smoke against female *Anopheles* mosquitoes. *International Journal of Bioassays*, 3 (1), 1695-1698. ISSN: 2278-778X.

Mwangi, R., Ngure, P., Thiga, M., & Ngure, j. (2014) Factors Influencing the Utilization of Voluntary Counseling and Testing Services among University Students in Kenya. *Global Journal of Health Science*. 6(4).

Omanga Cleophas Mochoge: SMEs' Adoption Of Web-Based Marketing: Empirical Evidence From Kenya. *IJCSI-International Journal of Computer Sciences Issues* Jan 2014. VOL.11, Issue 1, No 2

Chemwei Bernard & Mang'oka Somba (2014) "Teacher-Student Perspectives And Experiences With The Use Of Cooperative Learning In Poetry Classroom Settings." In *International Journal of Current Research* Vol. 6, Issue, 04, pp.6141-6145, April, 2014.