

**5th International Scientific Research Conference
National University of Rwanda**



«NUR Main Building

Accepted Abstracts

Theme: Sustainable Economic Development and Good Governance

[Click Here to Download Full Abstracts](#)

1. Growth performance and nutritional value of dairy fodder crops in rwamagana district By Mr. NSENGIYUMVA Boniface, General Agronomist/Dr. Jimmy SEMAKURA,
2. Agricultural productivity and policy interventions in Nyamagabe District, Southern Province Rwanda Alfred R. BIZOZA and Patrick BYISHIMO
3. Population Growth within sustainable limit: An indicator of progression towards development by Jaya Shukla, Gaurav Bajpai
4. Abundance, Distribution and Ecology of Flycatchers in the Arboretum of Ruhande in Southern Rwanda by D. Nsabimana, D. Tuyisingize, Y. Gasangwa
5. Diversity and abundance of litter insects within some exotic tree species in the arboretum of Ruhande, Rwanda by D. Nsabimana, C.S. Iradukunda, A. Gasogo
6. Equilibrium point analysis of a dynamic model for hepatitis B virus infection by Uwizeyimana Claudine, Ntaganda Jean Marie
7. Resolution of a mathematical model for anti hbv infection treatment with peginterferon alfa -2a by Mujawayezu Ernestine, Ntaganda Jean Marie
8. Potential Impact of Integrating Real Time Pricing to a Rural Hybrid Electric Power Mini-grid System in South Africa by Saaima Natha, R Okou, A B Sebitosi, K.O. Awodele

9. Solving a mathematical model for infamous four year life cycle of population of lemmings By valentine Tuyisabe and Jean Marie NTAGANDA
10. Combustion Reactivity and Emission Reduction for Co-firing of Coal and Coffee Husks by Adam M. Sebbit, Cuthbert F. Mhilu, Geoffrey R. John
11. Food Price Trends Analysis and Policy Options in Rwanda By Aline Mutabazi
12. Effects of travertine in improving selected soil properties and Yield of Irish potato (*solumun tuberosum. L*) in acidic soils by Nduwumuremyi Athanase, Jayne. N. Mugwe, Vicky Ruganzu, Benoit Nyirinkwaya
13. Adolescents and the right to health: eliminating age-related barriers to HIV/AIDS services in Rwanda" by Agnes Binagwaho, Arlan Fuller, Vanessa Kerry, Sarah Dougherty, Mawuena Agbonyitor, Claire Wagner, Rodrigue Nzayizera and Paul Farmer
14. The Limnological Survey: A Case of Malagarasi River in Western Tanzania by Mr. Charles B. ATHUMAN and Dr. Hudson H. NKOTAGU
15. Local governance responses to poverty in People Living with HIV/AIDS's Families: The case of ABIYEMEJEGUHINDUKA Association in Huye District by Charles Kalinganire
16. Solving intracellular signaling mathematical model for early stages of atherosclerosis by Dushimiyimana Adreas, Ntaganda Jean Marie
17. The impact of good governance on foreign direct investments in the east african community by Dr Emmanuel Ugirashebuja, Me Elvis Mbembe Binda, Mr Tom Mulisa, Mr Edouard Musabanganji, Ms Aline Mutabazi, Ms Consolée Uwihangana
18. Low head mini hydropower Turbine selection based on economic cost benefit analysis technique by F.V. Makonelah, C.F. Mhilu and G.R. John
19. Factors affecting the quality of reporting and publishing of research findings in icraf rwanda, isar and IRST by Gregoire Hagenimana Elijah Miinda Ateka, Caroline Wanja Mugo and Athanase Mukuralinda
20. Dairy value chain in Rwanda: Implications on Rural Development Strategies. By Dr Jonas BARAYANDEMA, Dr Alfred R. BIZOZA, Mr Birasa NYAMULINDA, Ms Alice MUKASEKURU
21. The Combustion Properties of Syngas Produced From Coconut Shell by Using High Temperature Air Gasifier, Entrain Flow Gasifier and Circulating Fluidized Bed Gasifier by Mahir Said, Geoffrey John, Cuthbert Mhilu, SamwelManyele
22. Toxicity of some Rwandan medicinal Plants used in the Treatment of Malaria by Dr MUGANGA Raymond
23. Incorporation of *Mucuna pruriens* and *Lablab purpureus* as Protein Supplements in the Diets of Lactating Dairy Cows by Mugwaneza C., Semakula J., Uwimana G., Niyireba R.T., Makuza S.M
24. Simulation of electromagnetic field distribution and wave propagation in

- metallic waveguide using open source finite element software by NDAGIJE Charles and GEUZAINÉ Christophe
25. Defaunating properties and fermentation patterns of ram press sunflower cake supplementation to steers fed on a basal diet of napier grass by Umunezero, O., Migwi, P.K. and Guliye, A.Y.
 26. Modeling of Transesterification of Palm Oil in Stirred Tank Reactors for Biodiesel Production by Peter L. Mtui
 27. Environment Management in Rwanda through Decentralization Process by Peter MUGUME ... 28
 - Performance prediction of an entrained flow coal gasifier by P. P. Mashingo, G. R. John, C. F. Mhilu
 28. Priorities for sustainable production of passion fruit in Rwanda: Results of a survey by Rukundo Placide, Kajugan. Joelle, Kagiraneza Boniface, Mutajogire N. Marie Jeanne, Waweru Bancy, Uzayisenga Bellancille, Nduwayezu Anastase, Ahishakiye Vedaste, Ndahimana Vedaste, Mukase Françoise, Nyirigira Antoine and Asiimwe Theodore.
 29. Foreign direct investment and economic growth in Rwanda: a time series analysis by Charles RURANGA
 30. Empowering Learners in Descriptive Statistics from Performance Integration Approach by Aloys Ruzibiza
 31. Screening for Depression in patients with Epilepsy by Vincent Sezibera, MsC, PhD Clinical Psychologist
 32. Dynamic transmission of hepatitis B in Kigali by using a mathematical model by Shingiro Lostange, Ntaganda Jean Marie
 33. Matlab Approach For Solving Delay Differential Equations: Application To Cardiovascular Model Due To Ottesen by Simon BIKORIMANA and Dr. Jean Marie NTAGANDA
 34. Governing the practice of umuganda for sustainable Development in Rwanda by Penine Uwimbabazi And Wilson Muna
 35. The empirical assessment of the determinants of foreign direct investment (fdi) inflows in rwanda during 1998-2008 by Dr. Caleb Tamwesigire- Assoc. Prof. UP, Nyagatare and Mr. Fred Mugisha
 36. Comparative Thermolysis and Kinetic Study of Scrap Tyre and Bagasse for Energy Utilization by Petro Ndalila, Cuthbert F. Mhilu, Geoffrey R. John
 37. Energy Efficiency Experience in Tanzania: The Case of Water Supply Systems by Lugano Wilson, Geoffrey R. John and Cuthbert F. Mhilu
 38. Analysis of Losses in High Temperature Gasification of Coffee husks by Ethel D. Kasembe, Geoffrey R. John and Cuthbert Mhilu
 39. Abundance, Distribution and Ecology of Flycatchers in the Arboretum of Ruhunde in Southern Rwanda by D. Nsabimana, D. Tuyisingize, Y. Gasangwa
 40. Haematological adaptation to moderate altitude in the Southern Province of

Rwanda by Jean Bosco Gahutu, MD, PhD, FHEA (UK)

41. Stock market awareness of directors and capital market participation of selected organizations in Rwanda by Pierre SINDAMBIWE
42. Economic analysis of factors affecting technical efficiency of smallholders maize production in Rwanda by N. Mulinga, H. Musahara, S. Dekha
43. Analyzing Memoir Topic Trends in the Social and Political Sciences at FAMSS (NUR) by Dr. Simeon Wiehler and Ms. Fiona Umutoni
44. 18 years of writing on the Genocide perpetrated against Tutsi: Reflections on underexplored aspects by Ernest MUTWARASIBO
45. Legal pluralism in Rwanda: Mediation committees between the traditional and modern conflict resolution systems By Dr. MASENGO Fidele, LL.B, LL.M, PhD
46. Herpes Simplex Virus type-2 and Human Immunodeficiency Virus infections among Men who have sex with Men in Agadir, Morocco by P. Ndishimye, H. Oumzil, E. El harti, O. Mrabet. Rajae Mengad.
47. Nutrients pollution in Mwogo River, Rwanda by Boniface MAHIRWE and Umaru Garba Wali
48. Evaluation of nutritive values of spent mushroom soybean (*Pleurotus* spp.) substrate and soybean straw as alternative animal feeds by Gafigi Jean Paul, Mupenzi Mutimura, Solange Uwituze
49. Realization of rule of law and good governance towards sustainable development in Tanzania By HASHIL TWAIBU Abdallah
50. Good Governance and Development by Dr. Felicien Usengumukiza
51. Sources of heavy metal pollution in Nyabugogo catchment by Dismas KARURANGA and Umaru Garba Wali
52. Evaluation of different amaranths spp. lines for horticultural characteristics and yields in Rwanda by Waweru, B., Kagiraneza, B., Kahia, J., Ndereyimana, A., Busobozi, M. and Rurangwa, E.
53. Financial Performance of State Owned Companies in Rwanda - A case study of Electricity Water Sanitary Authority Limited by Dr. Shaik Nagoor Meera Prof. Rama B.Rao
54. Factors influencing the Density of Malaria Vectors using GIS Techniques Case study: Malaria Division/RBC by Alain KABAYIZA and Dr. Gaurav Bajpai
55. The Rwandan Corporate Governance approach in the mirror of the classical approaches: the Shareholder value versus the Stakeholder value by: Didas Muganga KAYIHURA
56. *Acacia Kirkii* in Rwanda on the Brink of Extinction: Intervention for its Rescue by Umaru Garba Wali, Esron Munyanziza, Canisius P. Mugunga, Christopher K. Ruffo, and Mediatrice Kagaba Mukabagema.
57. Benefits and costs of regional integration: Early evidence for Rwanda by Vincent Byusa

58. Contested Narratives of Iwawa: Probing the Differences between Rwandan and Western Perceptions of the Iwawa Rehabilitation and Vocational Skills Development Center, Iwawa Island, Rutsiro District by Dr. Simeon Wiehler and Mr. Hyppolite Ntigurirwa
59. Mountain gorilla's food abundance variability over space and time in Volcanoes National Park, Rwanda by Elias Bizuru PhD & Ms Olive Izabayo
60. Impact of Electromagnetic Signals on human Beings (NUR LAN using wbs 2400 APs) by C.Twizere
61. Prevalence and factors associated with Oral Sex practices among University students: Case of the National University of Rwanda by Mrs. Stella Matutina UMUHOZA, Dr. Paulin BASINGA, Mrs. Sabine MUSANGE FURERE and Mr. Charles KALISA R
62. Pollution Assessment of Mukungwa River, Rwanda by Marie Yvonne INGABIRE and Umaru Garba Wali
63. Matrix effects on water loss leads to cascading impacts in Volcano National Park, Rwanda by Dr Elias Bizuru, Deo Tuyisingize, Gudula Nyirandayambaje, Abel Musana, Runyambo Irakiza and Jeanette Muterampundu
64. Internetwork Dual SIM GSM Mobile-Control Handover by Benjamin Yabagenga
65. Factors affecting fruits production and marketing among smallholders in Rwanda by Gregoire Hagenimana, Elijah Miinda Ateka, Caroline Wanja Mugo and Athanase Mukuralinda
66. Investigation of survival rate of trees planted by the community in huye district from 2007 –2011 and underlying factors. a case study of tumba, mukura and ngoma sectors by Jean Pierre Murekezi, Jean Nduwamungu and Esron Munyanziza
67. Legal and cultural barriers for effective implementation of the women's inheritance to land rights in Rwanda by Dr. MASENGO Fidele, LL.M, PhD.
68. In search of a stable money demand function for Rwanda – A Bounds Testing Approach by Vincent Byusa
69. Land Information Infrastructures: The role of Government and stakeholders by Alban Uwacu Singirankabo, MSc and Ernest Uwayezu, MSc.
70. Development and practices of Special Economic Zones in Rwanda: Tackling taxation of cross-border transactions in absence of international tax treaties Me Habimana Pie
71. Milk utilization patterns in households that benefited from GIRINKA dairy program in rural area of Rwanda by Dr. Solange Uwituze, Ms Domitille Dukuzemariya, and Dr. Cletos Mapiye
72. Girinka Program and livelihood improvement in Rwanda. A case study of Simbi sector in Huye District by Mr Twahirwa Mumbere Remy and Dr Niyonzima Theophile

73. Resolution of an optimal control problem for cardiovascular-respiratory system: An application to orthostatic stress by Nsengiyaremye Jean Claude, Ntaganda Jean Marie
74. Climate Change Effects on Food Security in Rwanda: Case Study of wetland rice production in Bugesera District. by Rwanyiziri, G., Rugema, J
75. The Impacts of Climate Change and Variability on Local Community Livelihoods in Rwanda: Case study of Bugesera District, Eastern Province. By Rwanyiziri, G., Bizimana, N.
76. Challenges in Environmental Education in Rwanda. Case study of Community Education in nature conservation around Volcanoes National Park (VNP) by Rwanyiziri, G., Habonimana, H.-V
77. Changes in Crop raiding by Primates and Conservation Implications: The Case of Mountain Gorillas (*Gorilla beringei beringei*) at Volcanoes National Park, Rwanda by Musana, A., Kaplin, A.-B., Rwanyiziri, G
78. Factors influencing the Density of Malaria Vectors using GIS Techniques by Alain KABAYIZA and Dr. Gaurav Bajpai
79. Agricultural productivity and policy interventions in Nyamagabe District, Southern Province Rwanda by Alfred R. BIZOZA and Patrick BYISHIMO
80. Drivers of land dynamics in Nkombo Island of Western Province, Rwanda by Alfred R. BIZOZA
81. Multi National Corporations affecting long term sustainability of developing countries through demonstration effect by Jaya Shukla and Gaurav Bajpai
82. A Review on Patterns of Nutrient Retention in African Ecosystems, by Ingabire, Dominique, Wali, U.G.
83. Designing Network Security Architecture for Rwanda National Police by Oscar SAKINDI
84. The Combustion Properties of Syngas Produced From Coconut Shell by Using High Temperature Air Gasifier, Entrain Flow Gasifier and Circulating Fluidized Bed Gasifier by Mahir Said, Geoffrey John, Cuthbert Mhilu, Samwel Manyele
85. The socio-economic impact of rural farming structure in Rwanda: case of coffee growing cooperative and coffee washing station of Kopakama, Rutsiro District, Western Province, by GISARO M. Ya-BITITI
86. Topical skills for accounting graduates within Rwandan business changing environment This is an outcome of Msc. Accounting thesis of the first author by Mr. Innocent Nsengiyumva Prof. Rama B. Rao
87. The Analysis Of Strategies Used For Enhancement Of Bank Competitiveness. Case Study: KCBR Ltd by Jeannette MUSABYIMANA , Jaya Shukla, Beatrice Madya
88. Measuring the differential impact of research for development in Rwanda by Alfred R. BIZOZA

89. From informal to formal urban development in Kigali City. Challenges and Cost Implications by Mugiraneza T, Rwakabuba J, Bizimana JP
90. Trade at the Extensive Margin and Civil Wars in Africa by Dick Kamugunga and Dany Jaimovich
91. The impact of telecommunication costs on youth entrepreneurship and employment in Rwanda by Prof. Rama B. Rao and Katherine McAleer
92. Does Intra-African Regional Integration Promote Africa`s Export Diversification? By Dr.Dick Nuwamanya Kamuganga
93. Towards the development of an integrated model of entrepreneurship development in Rwanda by Prof. Rama B. Rao , Prof. Herman Musahara and KanchiSrinivas
94. Harmonizing capacity building and work responsibilities of Rwandan nurses through E-learning in Rwanda. By Gilbert MUNYEMANA
95. An assessment of the effects of microfinance services on smallholder farmers' income: the case of nyamagabe district, Rwanda by Mutamuliza Eularie