

## Editorial message

The Editorial Board of Rwanda Journal of Agricultural Sciences (RJAS) is pleased to publish the third issue after relaunch of the journal. We regret that due to constraints and challenges beyond our control, RJAS has been out of publication since 2021 and pledged to work hard to keep the publication frequency up to our readers' expectations. In this issue, majority of papers presented are those received from our International Conference on Business Models in Agriculture 2023 (IBMA 2023) in addition to other regular journal papers. Those research papers aim at promoting and disseminating knowledge; and at searching for solutions to the problems that the farming community faces for sustainable management of natural resources and to bring about the transformations of agriculture and farmers wellbeing. The contents of this issue include 12 papers:

1. Bioenergy perspective in Rwanda: The potential of the tree-based system in the agricultural landscape for fuelwood supply by *E.N Bapfakurera, C. J Kilawe, Nyberg, G, Nduwamungu, J.* p3-19
2. Current status of Cyprinids abundance and diversity and their potential for aquaculture production in Rwanda by *R Mwimba, S Rukera Tabaro, N.M.M Syaghalirwa.* p20-37
3. Efficacy of storage treatments in delaying ripening in Avocados and reduce postharvest losses by *B Rwubatse, M Sharma, V Ndungutse, J.B Ndahetuye, A Uwamahoro.* p38-46
4. Landslides Occurrence and Related Causal Factors in the Gishwati and Mukura Landscape of Rwanda by *A Fashaho, C Tuyishime, M Sankaranarayanan, J Uwihirwe, A Karangwa<sup>3</sup>.* p 47- 58
5. Women's Participation in Climate Smart Agriculture (CSA) in Southeast, Nigeria by *C. C Apeh, I. K Agbugba, A. C Apeh, R. A Okere, C Mzuyanda.,* p 59-70
6. Review on Okra (*Abelmoschus esculentus* (L.) Moench) Production, Nutrition and Health Benefits by *T Uwiringiyimana, S Habimana, M.G Umuhozariho, V. P Bigirimana, F Uwamahoro, A Ndereyimana, FX Naramabuye.* p71- 87
7. Relationship between farmers' heterogeneity and adoption of fertilizers and hybrid seeds in Rwanda by *J.D.D Niyomugabo, U Ufitinema, S Havugimana, J.D.D Nshimiyimana, K Kagiraneza, J.C Iratuzi, R Niyomfura, D Mukamana, E Twagirimana, T Nkamiyabanga, T Habiyaremye, T Kanyarwanda, E. Bizimana.* p88- 101
8. Chemotaxis and Ecology of Oviposition in Major Scarab Beetle Soil Pests of Crops - A review by *A Rutikanga, M Bateman, J Yin, I Nyamwasa, C Nkurunziza, A Rizwangul, C Yazhong, S Zhang, K Li.* p102-124
9. Hydro-geological and meteorological behaviours of typical landslide prone hillslopes in North-western Rwanda by *J Uwihirwe, B Uwamwezi, P*

- Munyandamutsa, E.N Bapfakurera, P.C Uwamahoro, C Musabwayire, G Nyagatare. p125-141
10. Farmer Knowledge of *Tagetes sp.* and Its Potential Use as Alternative to Synthetic Insecticides for the Control of Maize Weevils in Rwanda by A Rutikanga, C Kagoyire, J Hagenka Kakumba, J.B Rudahunga, A Hategekimana, T Haguma, A.F Yusuph. p142- 150
  11. Effect of Imidacloprid Gaucho-Seed Coating on Mosaic Virus Transmission and the Dynamics of the Main Insect Pests of Common Bean (*Phaseolus vulgaris L.*) Cultivation in Rwanda by A Karangwa, J.D.D Bazimenyera, J.B Muhnyuza, S Habimana, M Mizero. p151-161
  12. Comparative study of nutrients and heavy metals in Rwandan macrophytes: *Cyperus papyrus* and *Leersia hexandra* by C Kayirangwa, T Muhizi, M.J.P Mpatwenumugabo. p162-175

We take this opportunity to thank our highly esteemed readers, very innovative and talented authors, expert reviewers, distinguished editorial board members and the top managers of the College of Agriculture, Animal sciences and Veterinary Medicine for being part of this highly sought journal.

#### **RJAS Editorial Board**

