

UNIVERSITY OF RWANDA
COLLEGE OF SCIENCE AND TECHNOLOGY

PUBLICATIONS

PRJA: Peer reviewed Journals Articles

| t | School/ Centre | Department | Staff Names | Staff Gender | Authors | Year of publication | Title | Journal | Volume | Series | Publisher | Pages | ISSN | Journal Impact factor |
|--------|-------------------|------------|----------------------|--------------|--|---------------------|---|-----------------------|--------|--------|-----------|-------|-----------|-----------------------|
| PRJ A1 | CGIS | N/A | Uwayezu Ernest | M | Uwayezu Ernest & Walter T., de Vries | 2019 | <u>Scoping land tenure security for the poor and low-income urban dwellers from a spatial justice lens</u> | Habitat International | 91 | 102016 | Elsevier | 1-10 | 0197-3975 | 3.386 |
| PRJ A2 | CGIS | N/A | Mugiraneza Theodomir | M | Mugiraneza Theodomir, Nascetti, A. & Ban Yifang | 2019 | <u>WorldView-2 Data for Hierarchical Object-Based Urban Land Cover Classification in Kigali: Integrating Rule-Based Approach with Urban Density and Greenness Indices</u> | Remote Sensing | 8 | 110 | MDPI | 1-23 | 2077-4292 | 4.89 |

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| PRJ A3 | CGI S | N/A | Rwanyiziri Gaspard, Tuyishimire Joseph, Mugabowin dekwe Maurice & Mugisha John | M | Rwanyiziri, Gaspard, Uwiragiye Anatole, Tuyishimire Joseph, Mugabowin dekwe Maurice, Mutabazi, Aline, Hategekiman a, Sylvere & Mugisha John | 2019 | <u>Assessing the Impact of Climate Change and Variability on Wetland Maize Production and the Implication on Food Security in the Highlands and Central Plateaus of Rwanda</u> | Ghana Journal of Geogra phy | 11 | 2 | AJO L | 77- 102 | 0855- 9414 | 0 |
| PRJ A4 | CGI S | N/A | Muyombano Emmanuel | M | Muyombano Emmanuel | 2019 | Livelihood and Food Security of Vulnerable People with Limited or no Land in Northern Rwanda: A Land Use Consolidation Programme Analysis | Ghana Journal of Geogra phy | 11 | 2 | AJO L | 103 - 126 | 0855- 9414 | 0 |

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|-----------|----------|-----|--|---|---|------|--|--|------|----|--|---------------|----------|------|
| PRJ A5 | CGI S | N/A | Nyandwi Elias | M | Bernhard, Katie, Sabuhoro, Edwin, Nyandwi, Elias, Munanura, Ian E and Smith, Thomas E.L | 2019 | Effects of Integrated Conservation- Development Projects on Unauthorized Resource Use in Rwanda's Volcanoes National Park: a Mixed-methods Spatiotemporal Approach | Oryx | ???? | | Cam bridg e Univ ersity Press | 0030- 6053 | 2.801 | |
| PRJ A6 | CGI S | NA | Niyomubye yi Olive | F | Niyomubye i Olive, Tome Eduardo Sicuaio, José Ignacio Díaz González, Petter Pilesjö & Ali Mansourian | 2020 | A Comparative Study of Four Metaheuristic Algorithms, AMOSa, MOABC, MSPSO, and NSGA-II for Evacuation Planning | Algorit hms | 13 | 16 | MDP I | 1999- 4893 | 1- 21 | 1.46 |
| PRJ A7 | | | Mugabowin dekwe Maurice and Gaspard Rwanyiziri | M | Mugabowin dekwe Maurice and Gaspard Rwanyiziri | 2020 | Comparative Assessment of Homogeneity Differences in Multi- Temporal NDVI Strata and the Currently Used Agricultural Area Frames in Rwanda | South African Journal of Geomat ics | 9 | 1 | | 2225- 8531 | 89- | 0 |

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| PRJ A8 | CGI S | N/A | Uwayezu Ernest | M | Uwayezu Ernest & Walter T., de Vries | 2019 | Access to Affordable Houses for the Low-Income Urban Dwellers in Kigali: Analysis Based on Sale Prices | Land | 9 | | MDP I | 85 | 2073- 445X | 2.8 |
| FRJ A9 | CGI S | N/A | Uwayezu Ernest | M | Uwayezu Ernest & Walter T., de Vries | 2020 | Can in-kind Compensation for Expropriated Real Property Promote Spatial Justice? A Case Study Analysis of Resettlement in Kigali City, Rwanda | Sustain ability | 12 | | MDP I | 1- 34 | 2071- 1050 | 2.592 |
| FRJ A 10 | CGI S | N/A | Rwanyiziri G. | M | Byizigiro R. V., Biryabarema M. & Rwanyiziri G. | 2020 | Alleviating some Environmental Impacts resulting from Artisanal and Small-scale Mining Sector: A Critical Review | Rwand Journal of Engine ering, Science , Techno logy and Environ ment | 3 | 1 | AJO L | 19- Jan | 2617- 233X | 0 |

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| PRJ A 11 | CGI S | N/A | Rwanyiziri G., Mugabowin dekwe Maurice, Muyombano Emmanuel, Hitimana Jean Pierre | M | Rwanyiziri G., Uwayezu E., Mugabowin ekwe Maurice, Hategekiman a S., Byizigiro R V., Muyombano Emmanuel, Hitimana Jean Pierre | 2020 | Using Social Network Analysis (SNA) to Assess the Availability of Spatial Data and Data Sharing Mechanisms in Rwanda | African Journal of Land Govern ance and Geospa tial Science s (AJLG &GS) | 3 | 2 | Instit ut Marc ain de l'Info rmati on Scien tifiq ue et Tech nique (IMI ST) | 32- 52 | 2657- 2664 | 0 |
| PRJ A 12 | CGI S | NA | Joseph Tuyishimir e Elias Nyandwi | M | Ella Larissa Ndoricyimpa ye, Joseph Tuyishimire , Sophie Vanwambek e, Léon Mutesa, Elias Nyandwi , Nadine Rujeni and Jean Paul Coutelier | 2020 | L'épidémie de SARS-CoV-2 en Afrique Sub- Saharienne, questions, craintes et espoir | Louvai n Medica l Journal | 139 | Lou vain Me dica l Jour nal | Univ ersite Cath oliqu e de Louv ain | 330 - 336 | 00246 956 | 0.01 |

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| PRJ A 13 | CGI S | N/A | Rwanyiziri G., Mugabowin dekwe M. & Kagoyire C. | M & F | Byizigiro RV, Rwanyiziri G., Mugabowin dekwe M., Kagoyire C. & Byabarema M. | 2020 | Estimation of Soil Erosion Using RUSLE Model and GIS: The Case of Satisnkyi Catchment, Western Rwanda | Rwand Journal of Engine ering, Science , Techno logy and Environ ment | 3 | Spe cial Issu e | AJO L | 14- 33 | 2617- 233X | 0 |
| PRJ A 14 | CGI S | N/A | Tuyishimire J., Rwanyiziri G. & Mugabowin dekwe M. | M | Tuyishimire J., Nsengiyumv a P., Rwanyiziri G. & Mugabowin dekwe M. | 2020 | Spatial Modelling of Common Chimpanzees' (Pan troglodytes schweinfurthii) Ecological Niche in the Western Part of Rwanda. | Rwand Journal of Engine ering, Science , Techno logy and Environ ment | 3 | Spe cial Issu e | AJO L | 107 - 118 | 2617- 233X | 0 |

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| PRJ A 15 | CGI S | N/A | Nyandwi E. | M | Ngwijabagabo H., Nyandwi E. & Bahufite T. | 2020 | Integrating Local Community Perception and Expert's Knowledge in Spatial Multi-Criteria Evaluation (SMCE) for Landfill Siting in Musanze Secondary City, Rwanda. | Rwand Journal of Engineering, Science, Technology and Environment | 3 | Special Issue | AJO L | 119 - 133 | 2617-233X | 0 |
| PRJ A 16 | CGI S | N/A | Rwanyiziri G., Mugabowindekwe M. & Tuyishimire J. | M | Kayijamahe BC, Rwanyiziri G., Mugabowindekwe M. & Tuyishimire J. | 2020 | Integrating Remote Sensing and GIS to Model Forest Fire Risk in Virunga Massif, Central - Eastern Africa | Rwand Journal of Engineering, Science, Technology and Environment | 3 | Special Issue | AJO L | 145 - 166 | 2617-233X | 0 |
| PRJ A 17 | CGI S | NA | Rwanyiziri G. & Mugabowindekwe M. | M | Rwanyiziri G., Mugabowindekwe M. & Havugimana E. | 2020 | Evolution des politiques d'aménagement et de gestion des aires protégées du Rwanda (1925–2019) | Geo-Eco-Trop | 44 | 2 | Université de Liège | 125 - 139 | 1370-6071 | 0.6 |