

REPUBLIC OF RWANDA**NATIONAL COUNCIL FOR
SCIENCE AND TECHNOLOGY****Grant Scheme: Academia-Industry Collaboration**

In line with Promoting research and development as a key to fast-tracking Rwanda's economic transformation especially in the area of technology for industrial development, a programme of Academia-Industry Collaboration Research Grant has been established by NCST through the National Research and Innovation Fund (NRIF) and 19 research projects are being supported to address research issues in areas of Agriculture, Manufacturing, energy, environment, ICT and environment through implementation by academia and industry sector. The projects have started implementation in January 2021 and are expected to have a different duration from 2 years up to 4 years depending on the project category.

S/N	NAME OF AWARDEE	FUNDING/HOST INSTITUTION
Projects under Category 1: Project duration 2 years, Budget sealing 60,000,000 Frw		
1.	<p><u>Name:</u> MR. SUNDAY FRANCOIS XAVIER</p> <p><u>Title:</u> Investigating Household Food and Nutrition Security Status Among Children Aged Under Five Years Belonging to Households Growing Food and Cash Crop: a Comparative Study in Rwanda</p>	<p><u>Funding:</u> Fifty Million (50,000,000)</p> <p><u>Institution:</u> University of Rwanda</p>
2	<p><u>Name:</u> DR. JANNA SCHURER</p> <p><u>Title:</u> Mitigating Female Farmers' Barriers to Protective Footwear</p>	<p><u>Funding:</u> Fifty-Eight Million Seven Hundred Seventy Thousand (58,770,000)</p> <p><u>Institution:</u> University of Global Health Equity Ltd</p>
3	<p><u>Name:</u> MR. EUGENE KARANGWA</p> <p><u>Title:</u> Characterizing the Thermal and Non-Thermal Groundwater Mixing Trends Along the Virunga</p>	<p><u>Funding:</u> Fifty-Two Million Eighty-Three Thousand Two Hundred (52,083,200)</p> <p><u>Institution:</u></p>

	Volcanic Range and the Eastern Lake Kivu Basin Area, Rwanda	University of Rwanda
4	<p><u>Name:</u> DR. DAMIEN HANYURWIMFURA</p> <p><u>Title:</u> Development of a Smart Wearable Device for Real-Time Risk Monitoring of Infectious Virus Spreading: Case Study of Covid-19</p>	<p><u>Funding:</u> Sixty Million (60,000,000)</p> <p><u>Institution:</u> University of Rwanda</p>
5	<p><u>Name:</u> Dr. Desire Ngabo</p> <p><u>Title:</u> A Collaborative Research Study to Assess Stakeholder Needs and Mitigate Risk in the Development of Internet of Things Remote Monitoring Solutions for High-Risk Cold Chains, Aiding the Storage and Delivery of Temperature-Sensitive Vaccines in Rwanda</p>	<p><u>Funding:</u> Sixty Million (60,000,000)</p> <p><u>Institution:</u> University of Rwanda</p>
Projects under Category 2: Project duration 3 years, Budget sealing 90,000,000 Frw		
6	<p><u>Name:</u> MR. JAMES NTAGANDA</p> <p><u>Title:</u> Prototyping and Implementing An Integrated, Remote and Real Time Monitoring System for Biogas Plants Using Internet of Things (IoT)</p>	<p><u>Funding:</u> Eighty-Eight Million Nine Hundred Sixty-Five Thousand Two Hundred Sixty-Three (88,965,263)</p> <p><u>Institution:</u> University of Rwanda</p>
7	<p><u>Name:</u> Mr. CHRISTOPHE ISHIMWE NGABO</p> <p><u>Title:</u> Sizana – Environmental Friendly Transport System</p>	<p><u>Funding:</u> Ninety Million (90,000,000)</p> <p><u>Institution:</u> University of Rwanda</p>
8	<p><u>Name:</u> DR. ERIC UMUHOZA</p> <p><u>Title:</u> Evidence-Based Road Safety: An Automatic Road Traffic Crashes Data Management System (AUTORTC-DMS)</p>	<p><u>Funding:</u> Ninety Million (90,000,000)</p> <p><u>Institution:</u> University of Rwanda</p>

9	<p><u>Name:</u> PROF. DR. JEAN NDUWAMUNGU</p> <p><u>Title:</u> Domestication and Scaling Up Production of Stinging Nettle (Igisura) As An Ingredient in Poultry Feed Manufacturing in Rwanda</p>	<p><u>Funding:</u> Eighty-Six Million Ninety-Four Thousand Six Hundred Ninety-One (86,094,691)</p> <p><u>Institution:</u> University of Rwanda</p>
10	<p><u>Name:</u> DR. MARIE GORETTI UMUHOZARIHO</p> <p><u>Title:</u> Orange Fleshed Sweet Potatoes and Soybeans Blended Instant Flour</p>	<p><u>Funding:</u> Eighty-Six Million Four Hundred Forty-Three Thousand Three Hundred Four (86,443,304)</p> <p><u>Institution:</u> University of Rwanda</p>
11	<p><u>Name:</u> MR. JEAN DESIRE HABİYAMBERE</p> <p><u>Title:</u> Construction of Off-Grid Cold Chain and Crop Trading Platform in Rwanda</p>	<p><u>Funding:</u> Ninety Million (90,000,000)</p> <p><u>Institution:</u> Rwanda Polytechnic</p>
12	<p><u>Name:</u> DR. JEAN WILLY HABIMANA</p> <p><u>Title:</u> Deployment of Design Simulation Apps to Facilitate Computer Aided Design and Manufacturing in TVET and Manufacturing Industry</p>	<p><u>Funding:</u> Ninety Million (90,000,000)</p> <p><u>Institution:</u> Rwanda Polytechnic</p>
13	<p><u>Name:</u> DR. DAVID TUMUSIIME</p> <p><u>Title:</u> The Use of Smartphone Technology Approach Towards Self- Management of Type 2 Diabetes in Rwanda</p>	<p><u>Funding:</u> Eighty-Nine Million Three Hundred Eighty-Four Thousand Five Hundred (89,384,500)</p> <p><u>Institution:</u> University of Rwanda</p>
14	<p><u>Name:</u> DR. BETH ANN KAPLIN</p> <p><u>Title:</u> Building Resilient Working Landscapes in Rwanda: Promoting Indigenous Trees As An</p>	<p><u>Funding:</u> Sixty-One Million Three Hundred Seventy-Four Thousand (61,374,000)</p> <p><u>Institution:</u></p>

	Alternative Sustainable Wood Supply for the Timber Industry	University of Rwanda
Projects under Category 3: Project duration 4 years, Budget ceiling 150,000,000 Frw		
15	<p><u>Name:</u> DR. FRANCOIS LYUMUGABE</p> <p><u>Title:</u> Enhancement of Production Technology and Quality of Rwandan Traditional Beers “Ikigage” By Optimization Process Incorporating the Innovative Local Raw Materials</p>	<p><u>Funding:</u> One Hundred Nineteen Million Seven Hundred Six Thousand One Hundred Thirty-Five (119,706,135)</p> <p><u>Institution:</u> University of Rwanda</p>
16	<p><u>Name:</u> PROF. DR. ENG. JOSIAH LANGE MUNDA</p> <p><u>Title:</u> Implementation of a Complete Green Public Mobility System By Retrofitting of Existing Petrol Driven Motorcycles Into Electrical Motorcycles</p>	<p><u>Funding:</u> One Hundred Fifty Million (150,000,000)</p> <p><u>Institution:</u> University of Rwanda</p>
17	<p><u>Name:</u> MR. BENJAMIN KARENZI</p> <p><u>Title:</u> The Use of Smart Robotics in Healthcare for Big Data Analysis to Inform Decision Making in Real-time and to Prepare for Future Epidemics</p>	<p><u>Funding:</u> One Hundred Fifty Million (150,000,000)</p> <p><u>Institution:</u> Rwanda Biomedical Centre</p>
18	<p><u>Names:</u> DR. RICHARD MANIRAKIZA</p> <p><u>Title:</u> Valuation of Ecosystem Services: Establishing Forests and Wetlands Ecosystem Services Values Using An Integrated Valuation for Sustainable Development in Rwanda</p>	<p><u>Funding:</u> One Hundred Forty-Nine Million Nine Hundred Seventy-Three Thousand Four Hundred (149,973,400)</p> <p><u>Institution:</u> Institut d'Enseignement Supérieur de Ruhengeri (INES)</p>
19	<p><u>Name:</u> DR. MARGUARITE MUKANGANGO</p> <p><u>Title:</u></p>	<p><u>Funding:</u> One Hundred Fifty Million (150,000,000)</p> <p><u>Institution:</u> University of Rwanda</p>

<p>Capitalizing on Marigold Bio-Pesticide Properties to Leverage the Output of Natural Products Made in Rwanda</p>	
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