icipe in the media



1-15 April 2024

Developing eco-friendly packaging materials from cassava waste

Through the BioInnovate Africa Program, Kyambogo University is developing eco-friendly packaging materials using cassava waste.

https://www.newvision.co.ug/category/education/kyambogo-lecturer-wins-sh3858m-grant-for-cass-NV 185103

Insects are the future food

We consume a lot of resources to produce food and insects may be a viable option as they contain high protein and require minimal production space.

• https://www.fr.de/wirtschaft/mehlwuermer-als-super-food-insekten-sind-das-lebensmittel-der-zukunft-92991786.html

Beekeepers get tips on smart hive technology to increase honey production

The University of Rwanda's African Cen-The University of Rwanda's African Center of Excellence in Internet of Things (ACEIGT) on March 30, conducted an awareness session for beckeepers associated with cooperatives in Huye District for the newly invented Smart Bee Hive Technology (SBHT). This technology was developed to enhance beckeeping activities and ultimately boost honey production. SBHT is a technology that tracks temperature, humidity, sound, and movement inside and outside the hives. By utilising sensors, beckeepers can remotely control these parameters through their smartphones.

phones.

The technology which got funding from the International Centre of Insect Physiology and Ecology (ICIPE), is being implemented in partnership with NARADA Electronics Limited, a Rwandan private company dedicated to embedded systems database to training and accountage.

development, training, and consultancy. Elias Ntawuzumunsi, a doctorate student at the African Centre of Excellence in the Internet of Things (ACEIoT), who invent-ed the device said this was the opportunity to even get ideas on how to improve this technology before commercialisation.

Nawuzumusi explained, "The device is equipped with a digital siren to deter animals and intruders, smoke detectors to notify beekeepers of forest fires, and an air ventilation system to protect bees exposed to harmful external air." Ntawuzumusi

to harmful external air." Ntawuzumunsi was inspired by the significance of honey for health and the observed untapped po-tential in Rwanda's beekeeping industry. After getting to know the functionality of the device, beekeepers expressed inter-est in the use of the device once at their disposal. Wellars Munyaneza, one of the beekeepers from the KOPABUHU coop-erative finds this device addresses key isbeekeepers from the KOPABUHU coop-erative, finds this device addresses key is-sues such as lack of adequate information about hive conditions, theft of honey pro-duce, and colony health monitoring. He said, "During the rainy season, most

Beekeepers admired this innovation in beekeeping, saying that it will help in improving



Participants during an awareness se on for beekeepers associated with cooperatives in Huye District for the newly invented Smart Bee Hive Technology (SBHT). Photos: Courtesy







Beekeepers during a study tour to learn about new

of the bees die due to humidity. With this technology, we will be able to monitor this ahead of time and take actions to avoid the

loss."

He added, "If possible for smartphone owners, you can include the feature where instead of getting only an alarm, we even get an image of the object passing by the bechive so that we know how to deal with it."

One device costs Rwf150,000. Assoc One device costs KWII50,000. Assoc. Prof. Damien Hanpurvimfura, the Principal investigator of the project and the Director of ACEIOT, said they are aware that this might not be affordable to everyone but promised to advocate for incentives so

but promised to advocate for incentives so that all beekeepers can afford it. "We will continue to mobilise more funds for the improvement of the device, multiplication, and affordability," he noted. "NARADA LTD in collaboration with the involved researchers at ACEIoT will continue to update the product adding more features as suggested by beekeepers before commercialisation," he added.

With funding from the partnership for skills in applying sciences, engineering, and technology (PASET) with the Africa Regional Scholarship and Innovation Fund (RSIF) under the International Centre of Insect Physiology and Ecology and Ecol tion Fund (KSH) under the international Centre of Insect Physiology and Ecology (ICIPE), the African Center of Excellence in Internet of Things (ACEIOT) at the Uni-versity of Rwanda has been working on the "Smart Bee Hive Technology" project for the past two years.

Through the partnership with Africa Re-Through the partnership with Alrica Re-gional Scholarship and Innovation Fund (RSIF) for applied sciences, engineering, and technology, knowledge of the device has already been disseminated to more than 50 beekeepers.

LOG ON www.newtimes.co.rw

The New Times-Rwanda, published on April 2, 2024.

Social Media



African Center of Excellence in Internet of Things
@ACEIOT UR

This training is one of key activities under the project funded by International Centre of Insect Physiology and Ecology (@icipe), implemented in partnership with @NARADALTD . This technology is invented by Elias Ntawuzumunsi, a doctorate student @ACEIoT_UR



1:04 PM · Mar 30, 2024 · 59 Views



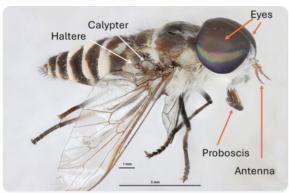
Post-training reflection session with County Agricultural Extension
Officers from Marsabit, Isiolo, Samburu, and Laikipia counties trained as
TOTs. Exciting insights surfaced regarding the opportunities for target
communities under #BeatTheLocustProject. @Kenya IMPACT @icipe



9:50 AM · Apr 2, 2024 · 142 Views



Our #insect of the week will be familiar to most people. Tabanus sp. #Horseflies. With their strong proboscis they have been known to ruin an afternoon picnic or two. Read more icipe.org/news/blog/inse...



11:53 AM · Apr 3, 2024 · **394** Views



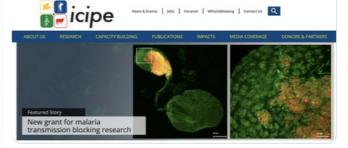
Proud to support, exciting discoveries from the @icipe team in Kenya

What a neat little microbe. Found in the wild, gets transmitted from mother mosquito to child and between mates, and seems to block transmission of the malaria parasite. More to explore.. imagine if it works...



We gratefully acknowledge new support by @open_phil to push forward on a #malaria transmission tool.

Icipe.org/new-grant-for-... @CVRinfo @Falling_walls @JeremyHerren @Samooner @lambrechtslab @GatimuMuchai @JohnAgboola_ @farmerscornerng



11:33 PM · Apr 1, 2024 · 2,095 Views



Enhancing street food safety in #Ghana Read more on this @PasetRsif project here: rsif-paset.org/project/innova... #PASET #DesignThinking @icipe @WorldBankAfrica

www University of Ghana @UnivofGh ⋅ Mar 27

Over 100 street food vendors across 29 Metropolitan, Municipal and District Assemblies (MMDAs) in Greater Accra have benefited from a two-day training session organized by the Department of Agricultural Economics and Agribusiness as part of its UrbanSafe Project.

Show more



10:29 AM · Apr 3, 2024 · 187 Views

Laikipia County community members currently undergoing Training of Trainers (ToTs) @icipe under #BeatTheLocustProject. The ToTs will play a crucial role in empowering the community members by training them on cricket rearing. @Kenya_IMPACT



9:34 AM · Apr 4, 2024 · 249 Views



Today at the #RPCA, Dr. Abdou Tenkouano from the @icipe presents #innovative forms of #nutrition, notably #insects as a base for #fertilizers and food, considering their high #protein intake.



4:37 PM · Apr 4, 2024 · 279 Views

National Coffee Research Institute Uganda (NaCORI)
@NaCORIUganda

We hosted Dr. Julius Ecuru & Mrs. Shira Mukiibi from @icipe @BioInnovate

on a field excursion @narouganda

Coffee Research Institute. <a>@nacoriuganda is set to conduct research into effective biofungicides to save Robusta coffee from devastation by the Coffee Wilt Disease.



6:46 PM · Apr 5, 2024 · **702** Views



@icipe participated in #EarthDay events in Ethiopia with a display of commercial insect products developed by our youth partners with support of @MastercardFdn #bees #silk #honey #TextileArt



2:46 PM · Apr 4, 2024 · 352 Views



NEW RESEARCH @EarthsFutureEiC:

"An Integrated Assessment Approach for Socio-Economic Implications of the Desert Locust in Eastern Africa" by Bonoukpoè Mawuko Sokame @icipe and colleagues.



agupubs.onlinelibrary.wiley.com

An Integrated Assessment Approach for Socio-Economic Im Earth's Future is a transdisciplinary, open access AGU journal examining the state of the planet, sustainable and ...

10:40 AM · Apr 5, 2024 · 231 Views



@ACIARAustralia leads Black Soldier Fly farming initiatives in Kenya, prioritising #circulareconomy principles for #sustainable farming. Partnering with @icipe, we empower women and youth while tackling waste, #food insecurity, and #climatechange.

Watch:



youtube.com

Black Soldier Fly Farming

ACIAR is championing Black Soldier Fly farming initiatives in Africa, emphasising the circular economy principles to ...

11:36 AM · Apr 5, 2024 · 228 Views



@kyambogou @EliKatunguka I met a delegation from ICIPE in Nairobi to discuss their continued funding of Research in the university. Dr Julius Ecuru led the delegation.



11:29 AM · Apr 7, 2024 · 1,598 Views



Last week, Laikipia County community members completed their weeklong training with a Business and Marketing session in our ongoing ToT program hosted by @icipe and @Kenya_IMPACT #BeatTheLocustProject.



12:07 PM · Apr 8, 2024 · 40 Views



.As the regional centre of the #StockholmConvention on Persistent
Organic Pollutants, we are pleased to host the sub Regional Workshop to
Strengthen Implementation of the #RotterdamConvention #BRS
@brsmeas @theGEF @SELAfrica @NemaKenya @FAOGeneva



11:53 AM · Apr 9, 2024 · **581** Views



Insects for Food @icipe @DiscoverJKUAT @DrKathyKunyanga





5:38 PM · Apr 14, 2024 · 15 Views



... We are immensely grateful to @noradno for their wonderful #partnership , and for graciously hosting our ExBo meeting.

#Norway #Africa #development #science #research



ACIAR in Eastern and Southern Africa @ACIARAfrica

A recently concluded review of the PROTeinAfrica project identified critical research opportunities for further innovation and collaboration between #ACIAR, @icipe and other stakeholders, underscoring the projects' impact on #Sustainable agricultural development in
, and , and





ACIAR and 9 others

9:25 AM · Apr 10, 2024 · 169 Views

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YouTube: https://www.youtube.com/user/icipe