

22 – 28 February 2022

## Director General's Office

The *icipe* Director General, Dr Segenet Kelemu, was one of the speakers at a special event titled 'Two Steps Forward, One Step Back: Reflections from a Career in Research for Development'. The event, co-organised by CGIAR Research Program on Agriculture for Nutrition and Health (A4NH) and International Food Policy Research Institute (IFPRI) was held to mark the retirement of A4NH Director John McDermott, after more than four decades of research work. In this audio snippet, Dr Kelemu advises early career scientists.

## Audio

<https://twitter.com/i/status/1497286564241711106>

## Nematode research

Scientists from *icipe* and partner institutions have found that enclosing potato seed in a thick absorbent paper made from banana plant fibre provides a protective barrier against damage by potato cyst nematodes. This breakthrough, referred to as 'wrap and plant', was published recently in *Nature Sustainability* (paper link: <https://rdcu.be/cHVSg>).

- <https://www.science.org/content/article/potato-farmers-conquer-devastating-worm-paper-made-bananas>
- <https://thetechmedia.xyz/potato-farmers-conquer-a-devastating-worm-with-paper-made-from-bananas-science/>

## Video

[https://www.youtube.com/watch?v=ZETi\\_nJ80fs](https://www.youtube.com/watch?v=ZETi_nJ80fs)

## Insects for Food, Feed and Other Uses Programme

*icipe* researchers are collaborating with international partners in a project dubbed FLYgene. This project aims to improve the quantity and quality of black soldier fly products through selective breeding in Kenya and Uganda.

<https://qgg.au.dk/en/qgg-news/artikel/flygene-baeredygtighed-og-forbedrede-levevilkaar-for-smaa-producenter-i-kenya-og-uganda>

The Centre continues to train farmers in the production of insects such as black soldier fly and crickets, to boost availability of insect proteins for human consumption as well as feed production.

<http://www.allusanewshub.com/2022/02/24/catching-the-bug-are-farmed-insects-about-to-take-off-in-africa/>

## Bees

In various parts of rural Ethiopia, *icipe* and BioVision are training young people to set up hives and produce high-quality honey and beeswax. These cottage industries improve income and support biodiversity.

## Video

<https://www.youtube.com/watch?v=ebYczHAcEek>

## Policy

*icipe* is one of the research institutions that have adopted policies to help staff optimise productivity despite the COVID-19 pandemic. These policies include implementation of measures to curb the spread of the virus, as well as the setting up of a creche for parents with young children.

<https://www.africportal.org/features/survey-findings-two-years-covid-19-pandemic-how-africas-higher-education-sector-faring/>

## Disease control

Under the 4H themes, *icipe* has various projects at the forefront of investigating control measures for vector-borne diseases such as malaria and trypanosomiasis, while conserving the environment.

<https://www.the-star.co.ke/news/big-read/2022-02-27-the-fight-to-stop-kenyas-most-dangerous-insects/>

## Social media

**ICiPE - International Centre of Insect Physiology and Ecology**  
20h · 🌐

Researchers have found that a paper developed from banana waste can protect potatoes from invasive cyst nematodes, safeguarding one of East Africa's most important staple crops: <https://science.org/.../potato-farmers-conquer...>  
#research #breakthrough #innovation  
International Institute of Tropical Agriculture (IITA)  
NC State University  
Kenyatta University  
Science



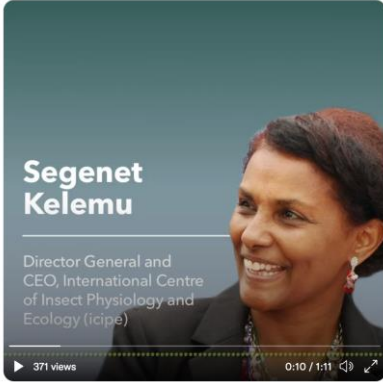
SCIENCE.ORG  
**Potato farmers conquer a devastating worm—with paper made from bananas**

JCIruhyogo Retweeted  
IFPRI @IFPRI

Segenet Kelemu, Director & CEO of @icipe, has a powerful yet amusing message for early career #researchers in the fields of #agriculture, #nutrition, & #health. 🤔

For more insights, watch the full @A4NH\_CGIAR @IFPRI event! [bit.ly/twostepsforwar...](https://bit.ly/twostepsforwar...)

@CGIAR #A4NHResearch



Segenet Kelemu  
Director General and CEO, International Centre of Insect Physiology and Ecology (icipe)

371 views 0:10 / 1:11

10:05 PM · Feb 25, 2022 · Hootsuite Inc.

Juliah Jacob Retweeted  
Walter Leal @wsleal2014

The legendary Jim Tumlinson visiting an @icipe's tsetse fly research site in Western Kenya with @baldwyn\_torto (ca. 2009). Chemical ecology lost another hero but will preserve his remarkable legacy.



Penn State Entomology and 9 others  
8:10 PM · Feb 27, 2022 · Twitter Web App

Nemedussa Retweeted  
NemaChap @DannyCoyne6

Our very own Dr. Solveig Haukeland from team @NemAfrica discussing enhancing Nematology research at #PANEMA. @icipe @IITA @Nemedussa



12:01 PM · Feb 25, 2022 from Eldoret, Kenya · Twitter for Android

ICTforAg @ICTforAg

Privileged to present the Speakers at #ICTforAg2022

Dr. Menale Kassie is a Principal Scientist and Head of the Social Sciences and Impact Assessment Unit at the International Centre of Insect Physiology and Ecology (@icipe).

Register Now: [bit.ly/ICTforAg2022](https://bit.ly/ICTforAg2022)



#ICTforAg2022  
Dr. Menale Kassie  
Head, Social Sciences and Impact Assessment unit  
International Centre of Insect Physiology and Ecology (icipe)

FEEDFUTURE  
DAI  
intellectap

Feed the Future and 4 others  
8:55 PM · Feb 28, 2022 · Twitter Web App

David Hughes @DH\_PlantVillage


In our @CETC\_IL we are releasing parasitoids from @icipe on maize farms in Kenya to control Fall Armyworm. See pics. In addition to using Maize Lethal Necrosis @cimmyt resistant seeds, fungal bioherbicide @StrigaToothpick for Striga and climate smart ag. Package of IPM tools 🙌



6:16 PM · Feb 21, 2022 · Twitter Web App

Billfish\_Western Indian Ocean @billfishwio

Next up! We spotlight Rodney Omukuti @rodney\_omukuti - @billfishwio emerging scientist on billfish genetics supervised by Dr. Wambua @swambua. Rodney was recently awarded the prestigious Bioinformatics internship with @icipe to advance his DNA coding and analysis interest.



IITA Retweeted  
Nemedussa @Nemedussa

This was an excellent first Panema workshop and we hope you all enjoyed and got enriched. Hope you give us all your feedback to improve the next editions [forms.office.com/r/npTGJvwvfZ](https://forms.office.com/r/npTGJvwvfZ). #Panema @NemAfrica @icipe @IITA\_CGIAR @NWUNematologypt

9:11 AM · Feb 26, 2022 · Twitter Web App

Yifru Tafesse @Yifrutafesse

It was a great privilege to have chaired the @BioInnovate PAC meeting to advance science and innovative in #Easter #Africa

BioInnovate Africa @BioInnovate · Feb 24  
The 13th Programme Advisory Committee (PAC) virtual meeting was successfully held today and discussed the progress of @BioInnovate Africa thus far as well as strategic issues and way forward for #bioeconomy development in #EasternAfrica.  
Read PAC profile: [bioinnovate-africa.org/category/about...](https://bioinnovate-africa.org/category/about...)



2:57 PM · Feb 24, 2022 · Twitter for Android



Ms Nduta Waweru Retweeted

**Mesha Science**  
@MeshaScience

Dr Saliou Niassy, head technology transfer unit at @icipe says, "Insects are more nutritious than many of the conventional feeds that we use for livestock. It is rich in protein@15%,minerals and are excellent sources of oils" @IFAJ @WWF\_Kenya @Min\_TourismKE @IDRC\_ESARO @FAOKenya

11:50 AM · Feb 22, 2022 · Twitter Web App

Biolnnovate Africa Retweeted

**Mesha Science**  
@MeshaScience

@JuliusEcuru from @Biolnnovate says, "There is need to conserve biodiversity at all levels ;genetic ,species and ecosystem(including soil and watershed regeneration)" @JRSBiodiversity @IFAJ @WWF\_Kenya @Min\_TourismKE

10:47 AM · Feb 22, 2022 · Twitter Web App

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