

1 – 8 August 2021

DRP honoured

Dr Sunday Ekesi, *icipe*'s Director of Research and Partnerships, has been elected a Fellow of the Entomological Society of America. The election acknowledges outstanding contribution to entomology.

<https://www.entsoc.org/ten-entomologists-honored-2021-fellows-entomological-society-america>



Malaria research

icipe researchers have found that *Parthenium hysterophorus*, popularly known as 'famine weed', creates a favourable breeding ground for female mosquitoes that transmit malaria. The roots of the plant release chemicals called terpene, which have a 'distinct blend of mosquito-attractive fragrances'. Read the full paper published in *Scientific Reports* [here](#).

- <https://phys.org/news/2021-08-invasive-weed-fuel-malaria-transmission.html>
- <https://news.knowledia.com/ZA/en/articles/east-africa-invasive-weed-could-fuel-malaria-transmission-72f7eb9797716e2bfea7a58c342281ef4e99bc15>
- <https://allafrica.com/stories/202108060563.html>
- <https://news.knowledia.com/ZA/en/articles/ethiopia-emphasis-on-controlling-a-public-health-threat-malaria-8ed81893bbf7750935d8fa3fd0e1b514b794f592>
- <https://abujarock.com/ethiopia-emphasis-on-controlling-a-public-health-threat-malaria/>
- <https://stormilaser.com/invasive-famine-weed-could-escalate-the-spread-of-malaria/>

Another breakthrough that could boost the fight against malaria is the discovery that a microbe that blocks transmission of the disease from mosquitoes to people can be transmitted sexually between mosquitoes. A previous study had found that the microbe, Microsporidia MB, is passed from mother mosquitoes to their offspring. Read the full paper in *Frontiers in Microbiology* [here](#).

<https://nation.africa/kenya/news/scientists-identify-organisms-in-mosquitoes-that-can-help-fight-malaria-3495788>

Insects for Food, Feed and Other Uses Programme

icipe, in collaboration with partners such as Jomo Kenyatta University of Agriculture and Technology (JKUAT) and Kenya Marine and Fisheries Research Institute (KMFRI), is spearheading the development of insect-based protein-rich feeds that boost fish growth and improve the profitability of fish farms.

- <https://allafrica.com/stories/202108060718.html>
- <https://www.eastafricatoday.com/kenya-why-kcsap-wants-more-kenyans-to-consider-fish-farming/>

Video

https://www.youtube.com/watch?v=ienO_VytHy4

In addition, in a move that will benefit insect farmers, the Kenya Bureau of Standards (KEBS) has approved new standards to support the development of insect-derived protein products for human consumption.

https://idrc.ca/en/news/new-standards-kenya-open-doors-commercial-insect-farming-ventures?utm_source=IDRC+Bulletin+Subscribers&utm_campaign=0013a45d7c-EMAIL_CAMPAIGN_10_9_2020_10_10_COPY_01&utm_medium=email&utm_term=0_a90993c39e-0013a45d7c-89985867

African Fruit Fly Programme


The Centre is working with Malawi's Department of Agriculture Research Services to train farmers on biological ways to contain the *Bactrocera dorsalis* fly, which is threatening vital mango exports.

https://times.mw/in-malawi-the-battle-to-save-mangoes/?utm_source=rss&utm_medium=rss&utm_campaign=in-malawi-the-battle-to-save-mangoes

Social media

Embassy of Switzerland in Nairobi @SwissEmbassyKE

🎉 Congratulations @icipe & Jeremy Herren 🇨🇰 for publishing a breakthrough study showing that the newly discovered microbe that blocks transmission of #malaria from mosquitoes 🦟 to people, can be transmitted between adult mosquitoes during mating. Read:



Scientists identify organisms in mosquitoes that can help fight malaria
The researchers found the microbe — a fungi — occurs naturally inside the cells of the malaria transmitting anopheles mosquitoes in parts of Kenya.
nation.africa

4:55 PM · Aug 4, 2021 · Twitter Web App

Martial BANOK Retweeted

icipe @icipe

New study by @icipe researchers shows that #InvasiveWeed Parthenium hysterophorus releases chemicals that favour #mosquitoes. Read more: icipe.org/news/devastati...

#malaria
@THRIVEDELTA
@kcmucotz
@UF_IDGM
@AESA_Africa
@NEPAD_Agency
@wellcometrust
@FCDOGovUK
@aldwyn_torto

EOA Initiative Retweeted

Frank Eyhorn @EyhornFrank

In the interview you can now read my conclusion on the pre-summit on the Food Systems Summit #UNFSS2021

@FoodSystems @Chblw @BiovisionAfrica @rbeznerkerr @ChristianSchob @fiblog @lmz_ch @icipe @ICEkenyaorg @IFOAMorganic @giz_gmbh @futureoffoodorg @EATforum @OP2B_OnePlanet

Biovision Foundation @FutureForAll · Aug 5

Sustainably transforming food systems through agroecology is at the heart of Biovision's efforts to fight hunger & poverty. #Agroecology is also recognized by key actors of the #UNFSS Pre-Summit as one of the game changing solutions.
Read the interview: biovision.ch/en/outlook-foo...



Only holistic approaches like agroecology provide real solutions.

FRANK EYHORN
CEO OF BIOVISION FOUNDATION

2:38 PM · Aug 5, 2021 · Twitter Web App

KGitonga @ltonga10 · Aug 1

#ICiPE doing an amazing job ..Keep it up



BY PAULINE KAIRU
Maina, an Icipe MSc student involved in the research. By studying the ways through which the microbe is propagated between mosquitoes, scientists have identified a microbe (organism) in mosquitoes that can help fight malaria.

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AfricaLics @AfricaLics

Sustainable bioeconomy contributes to the SDGs 2030 and efforts towards net zero carbon emissions - Dr. @JuliusEcuru @BioInnovate @ACTSNET @Globelics

#SustainableBioeconomy
#innovationanddevelopment
#researchcapacitybuilding
#STI4SDGs

ZooEntUP @ZooEntUP

Congratulations to Prof. Sunday Ekesi on his being selected as a Fellow of the Entomological Society of America. Sunday is an Extraordinary Professor in our Department and co-supervisor of many of our PhD Entomology students.

Jair Lorenzetti Filho @BiogLorenzetti

Replying to @BiogLorenzetti

regionais, como a Comissão Econômica da ONU para a América Latina e o Caribe, ou BioInnovate Africa, no Quênia, organizações que estão trabalhando para promover a bioeconomia e o desenvolvimento sustentável em suas regiões.

4:40 PM · Aug 5, 2021 · Twitter Web App

Bioeconomy - examples from BA (1)



6:21 PM · Aug 5, 2021 · Twitter Web App

icipe @icipe · Aug 5

Join us in congratulating Dr Sunday Ekesi, @icipe Director of Research and Partnerships, who has been selected an @EntsocAmerica Fellow for his #outstanding contribution to #entomology at multiple levels. Read more: entsoc.org/ten-entomologi...

@aais_2017
@PasetRsf
@BioInnovate



UGAWARD Retweeted

AWARD Fellowships @AWARDFellowship

BioInnovate Africa is inviting applications for the 2021 Bioscience Innovation Bootcamp. The Bootcamp is a regional science program for entrepreneurial scientists to develop innovative and commercially viable biobased ideas.
Learn more: bit.ly/3fyS5Ho

10:08 AM · Aug 6, 2021 · Meltwater Social

Valerian Aloo Retweeted

icipe @icipe

Internship opportunities @icipe: rsif-paset.org/vacancy/rsif-3...
rsif-paset.org/vacancy/capaci...

#internship #vacancies #workwithus @PasetRsf

Capacity Building Intern - The PASET Regional Scholarship and Innovation Fund
rsif-paset.org

10:36 AM · Aug 3, 2021 · Twitter Web App

Biovision A Trust @BiovisionAfrica · Aug 2 DYK?

The #Integrated #SustainableProduction of #Tomatoes (ISPOT) is one of the new #ecologically #sustainable #technologies & #practices that farmers can adopt on their farms.

Read the article below for more info

#SafeFuture4All
@FutureForAll @icipe

Safe production of tomatoes: A concept turning into reality in Kirinyaga



ACTS @ACTSNET

Interesting discussion going on...

AfricaLics @AfricaLics · Aug 5

Dr. @JuliusEcuru currently presenting on how innovation is fostering a sustainable bioeconomy in Africa @BioInnovate @ACTSNET @Globelics @icipe

#SustainableBioeconomy
#innovationanddevelopment
#researchcapacitybuilding
#STI4SDGs



How innovation is fostering a sustainable bioeconomy in Africa

A presentation at the AfricaLics Virtual Webinar Series
3 August 2021
by Julius Ecuru, Ph.D.
Manager, BioInnovate Africa
icipe, Nairobi, Kenya

6:01 PM · Aug 5, 2021 · Twitter Web App

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