

1 – 20 January 2021

Social Science and Impact Assessment Unit

icipe is working with the ETH Zurich and the University of Zurich to determine how better storage of harvest could improve food safety. As part of the study, smallholder farmers have been given airtight storage sacks designed to prevent fungal infestation of their crops.



English

- <https://phys.org/news/2021-01-airtight-corn-hunger-covid-pandemic.html>
- <https://afromediatube.com/?p=3860>
- <https://topmostpopular.com/airtight-corn-sacks-help-fight-hunger-during-the-covid-19-pandemic/>

German

- <https://www.yumda.de/news/1169410/luftdichte-maissaেকে-gegen-hunger-waehrend-der-covid-pandemie.html>

Tuta absoluta

icipe's release of a parasitic wasp that will naturally control the invasive and highly destructive *Tuta absoluta* has given hope to tomato farmers in Africa. Efforts to manage the pest using synthetic pesticides have led to high production costs and pesticide residues in yield, with detrimental impact on the health of growers, consumers and the environment.

- <http://news.agropages.com/News/print-37736.htm>
- http://www.tomatonews.com/en/total-control-of-tuta-absoluta_2_1233.html

Insect for Food, Feed and Other Uses Programme (INSEFF)

Insect-based feed is one of the sustainable ways to improve livestock keeping, food production and income generation in Africa.

English

- <http://venturesafrica.com/betty-kibaara-discusses-rockefeller-foundations-approach-nourishment-food-security-agricultural-development-east-africa/>
- <https://africanharvesters.com/2021/01/06/usage-of-insects-for-food-and-feed/>

Chinese

- <https://new.qq.com/rain/a/20210111A065DQ00>

icipe Ethiopia Office

icipe has partnered with the Enhanced Integrated Framework (EIF) to enhance honey production and job creation for young people in Ethiopia. Through this partnership, thousands of people are being trained in beekeeping.

English

- <https://trade4devnews.enhancedif.org/en/impact-story/luring-honey-profits-ethiopia>

German

- https://www.biovision.ch/aktuelles/der-honig-fliesst/?fbclid=IwAR3eINRBhRA_yxmZtFCZLTeosEAboqd9RL6JPSbcPOO0Oo5OlqW770eZ9E8

Nigeria's Raw Materials Research and Development Council has collaborated with *icipe* to improve the quality of beehive products for export.

- <https://www.blueprint.ng/rmrdc-driving-initiative-to-save-nigerias-scare-foreign-exchange/>

Regional Scholarship and Innovation Fund (RSIF)

Please use this link to read RSIF's weekly newsletter:

- <https://us3.campaign-archive.com/?u=da6a0094be3eba1a029d446dc&id=47e670fff7>

Social media



Food Planet Prize

8 January at 19:31 · 🌐

MEET THE 2020 PRIZEWINNERS

🌐 [ICIPE - International Centre of Insect Physiology and Ecology](#) - farming and mining insects for food, animal feed, and more.

★ THE RATIONALE:

Icipe and Sanergy are jointly receiving the prize, for tapping an underutilized protein source – insects – based on their ability to convert organic waste into feed and food

Learn more at <https://foodplanetprize.org/entry/prizewinner-icipe-inseff/>



Food Planet Prize

@FoodPlanetPrize

MEET THE 2020 PRIZEWINNERS

[@icipe](#) and [@Sanergy](#) are jointly receiving the prize, for tapping an underutilized protein source – insects – based on their ability to convert organic waste into feed and food.

foodplanetprize.org/entry/prizewin...

[#foodplanetprize](#) [#wastemanagement](#) [#farming](#)



Sanergy - Food Planet Prize

Turning urban slums' huge sanitation problem into opportunities for farming, taking a systemic approach to solving a complex of problems at the same time.

foodplanetprize.org

🔄 SymPhysis Medical Retweeted



TMDLab

@TMDLab

Nice article on the work of [@galway_inspire](#) to address covid19. A credit to medtech in Galway including [@Bioinnovate](#) fellows and alumni, companies like [@TympanyMedical](#) [@VenariMedical](#) [@SymphysisMed](#), Endowave, [@aerogen](#) with help from NUIG staff [@AtifshahzadM](#) and [@michaelgmadden](#).

🌐 [Medicine, Nursing & Health Sciences NUI Galway @NUI...](#) · 28 Sep 2020

[@nuigalway](#) [#medtech](#) experts rising to the [#covid19](#) challenge. Full text of the article in [@businessposthq](#) available [@johnlaffey](#)

NUI Galway medtech experts rising to challenge of Covid-19

BY LORRAINE COURTNEY

Experts in the Galway MedTech hub at NUI Galway are playing an active part in the response to the Covid-19 pandemic. The Inspire group, based at the College of Medicine, Nursing and Health Sciences, has come together to partner with industry and clinical backgrounds to innovate in various areas of patient care during the pandemic.

"In March, it became obvious that Covid-19 was going to be a major challenge to

"We have ongoing research links with Milan and heard directly from our colleagues how mortality rates were high and hospitals were filling up. Northern Italy has significantly more ICU capacity than Ireland, so we knew that we would have to come up with solutions quickly.

"Galway is a global medtech hub with strong medical device capability from both multinational medtech companies and SMEs. At NUI Galway we have worked with this sector through the years and we approached several contacts to see if they would

signed a system to support clinicians to safely split ventilation between two patients.

"It is an important advance over others because it allows one to control key ventilatory parameters for each patient separately," said Laffey.

"The system was made available to health services globally through galwayventshare.com and it has been designed so it can be replicated using medically-approved ventilator equipment that already exists in most hospitals.

"Other issues didn't have straightforward solutions. We

nebulisers that can deliver higher amounts of drugs than standard nebulisers. Some patients with Covid-19 seem to develop clotting disorders so we wondered if we could nebulise a blood thinner into the lung to reduce the risk of clotting. We are working with a number of centres around the world and are leading a study here with Aerogen's support."

The latest development from the group is a regenerative cellular therapy for Covid-19 which sees a unique tripartite arrangement with NUI Galway, Omnispirant and

6:09 pm · 28 Sep 2020 · Twitter Web App



Biovision Foundation

13 January at 14:47 · 🌐

#Äthiopien #GoodNews

🐝🐝🐝 Bees 🐝 for young businesses

Biovision has been training young people in the attitude of #bees in cooperation with the project partner icipe. This always includes processing and marketing of #honey.

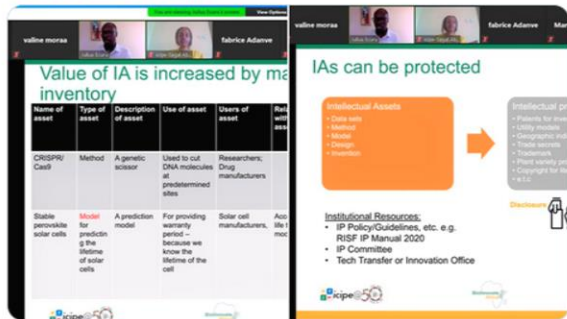
For the Dehana area characterized by poverty and youth unemployment, 2020 was a particularly difficult year, but those in charge managed to keep the successful project on track.

Sageness77 Retweeted



BioInnovate Africa
@BioInnovate

“Increase the value of your intellectual asset by maintaining an inventory of the assets.” - Dr @JuliusEcuru at the @PasetRsif webinar on how to increase value of intellectual assets in academic and research settings
#bioeconomy @icipc



4:10 pm · 16 Dec 2020 · Twitter Web App

entophile Retweeted



THRIVE Consortium
@THRIVEDELTA

#Congratulations @tesskoyi on becoming a finalist for the 'Falling Walls Science Breakthroughs of the Year.' Dr. Koyi, @THRIVEDELTA #PhD fellow @icipc is breaking the wall of #malaria elimination by modifying parthenin 2 hinder development of malaria parasites within mosquitoes.



2:02 pm · 13 Jan 2021 · Twitter Web App

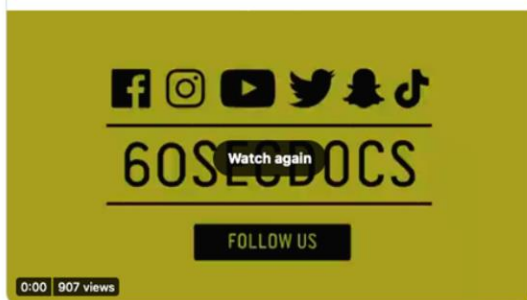


BioBuu
@Bio_Buu

Thank you @60SecDocs !! It was great talking to you. 2021 is the year of the maggot! 🐛🌟

@BioInnovate thank you for all your support 🍌

60 Second Docs @60SecDocs · 13 Jan
Eating 20 tons of waste daily. @Bio_Buu



9:00 am · 14 Jan 2021 · Twitter for iPhone



Yosef (Boore) Hamba Tola
@HambaJht

Recently accepted article on Organic waste substrates induce important shifts in gut microbiota of black soldier fly (Hermetia illucens L.): Co-existence of conserved, variable and potential pathogenic microbes.
frontiersin.org/article/10.3389/fmicb.2020.01811 @FrontMicrobiol @icipc @UP



Organic waste substrates induce important shifts in gut mic...
The sustainable utilization of black soldier fly (BSF) for recycling organic waste into nutrient-rich biomass, such as ...
frontiersin.org

11:41 am · 7 Jan 2021 · Twitter Web App

Mercy_kimani Retweeted



Bioinformatics Hub of Kenya
@BioinfoHub_KE

Interested in kickstarting your journey in Bioinformatics? Look no further, the bioinformatics internship at ICIPe is open.

Further information on application can be found here bit.ly/3igLTUz

Deadline: 15th January 2021



mbbu/call_for_Bioinfo_internship_cohort2
Contribute to mbbu/call_for_Bioinfo_internship_cohort2 development by creating an account on GitHub.
github.com

10:03 am · 12 Jan 2021 · Twitter Web App

ISTP ETH
@istp_eth

Learn more about how airtight #corn sacks help fight #hunger during the #COVID19 pandemic. @ETH4D @UZH_en @SwissDevCoop @icipc @WFP @HelvetasCH @bernauereth @IPEEP_eth @Michael_Brander @mhuss

ETH Zurich @ETH_en · 12 Jan

Optimised on-farm grain #storage boosts #food security in sub-Saharan #Africa, as an ETH #study in Kenya during the COVID-19 pandemic shows. @ETH4D @Michael_Brander @bernauereth @IPEEP_eth @mhuss ethz.ch/en/news-and-ev...

2:58 pm · 12 Jan 2021 · Twitter Web App

Quarterly media report (1 Oct – 31 Dec 2020)

During this period, *icipe's* media coverage had a potential reach of 347 million on international media and 30 million on social media.

Media Channel	Mentions	Potential Reach	AVE (\$)
Editorial	146	347M	43M
Social	2.4K	30M	2.7M

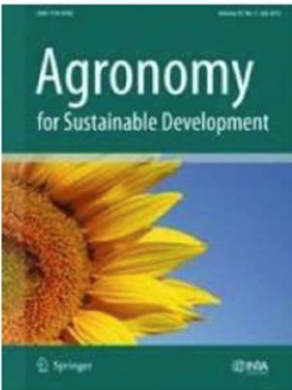
The most popular key phrases in this coverage included 'Kenya', 'insect physiology and ecology', 'Africa', 'Insect Physiology and Ecology', 'Africa' and 'locusts'. The top 4 articles below combined for a total reach of 138M.

哔哩哔哩 | dec. 19

[青蒿素](#)

Malaria is an infectious disease that seriously threatens human life and health. In the Eastern Jin Dynasty, "Elbow Reserve Emergency Recipe" contains the record of "Qinghao fully served" to prevent malaria. ..

Reach 67.7M ● Neutral




Springer | dec. 24

[Dynamics of N-P-K demand and uptake in cassava](#)

Abstract Fertilizers are required to improve productivity of cassava and meet the increasing demand for cassava as food, feed, or raw ...

Reach 24.1M ● Neutral




Springer | dec. 30

[Factors influencing the occurrence of fall armyworm parasitoids in Zambia](#)

Abstract Invasive alien species have environmental, economic and social impacts, disproportionately threatening livelihood and food security ...

Reach 24.1M ● Neutral



Springer | okt. 27

[Modelling and Analysis of Aerosol and Cloud-Precipitable Water Inter-Hemispheric Interactions of Aerosol-Satellite Data Using Ground Observation](#)

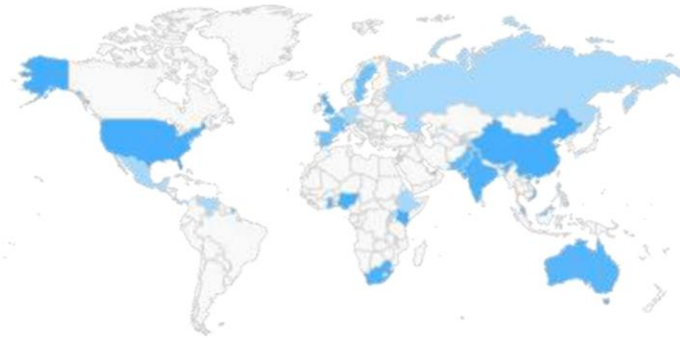
Abstract This study investigates the seasonal and spatiotemporal variations of aerosol optical depth (AOD) retrieval algorithm with cloud

Reach 22.5M ● Neutral

Multidisciplinary Digital Publishing Institute, Advance Africa, and Xinhua News (Eng.) accounted for 20% of the volume share among the 25 highest publications.

The Centre was mentioned in 35 countries, mostly in Eastern Africa, East Asia and Western Europe.

Kenya and China had the most global coverage



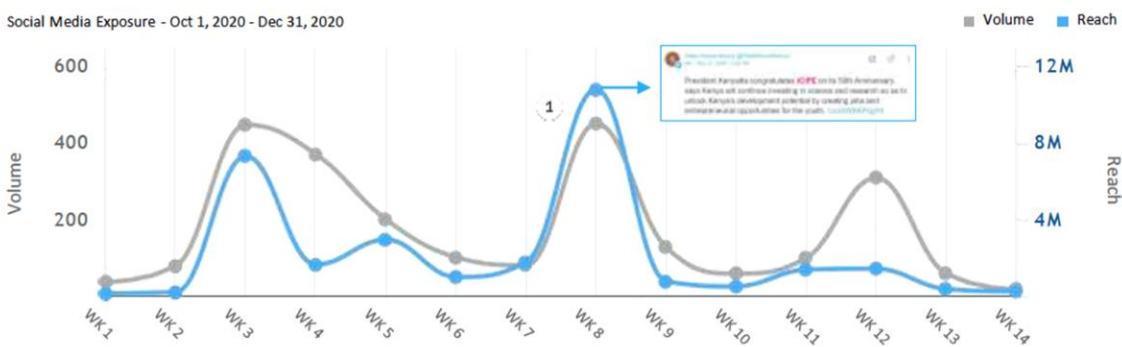
TOP COUNTRIES

Kenya	16%	▲13	Switzerland	6%	▲4
Mainland China	12%	▲11	Vietnam	4%	▲2
United States	8%	▼6	South Africa	4%	►0
United Kingdom	8%	▲3	India	4%	▲1
Nigeria	7%	▲6	Australia	3%	▲3

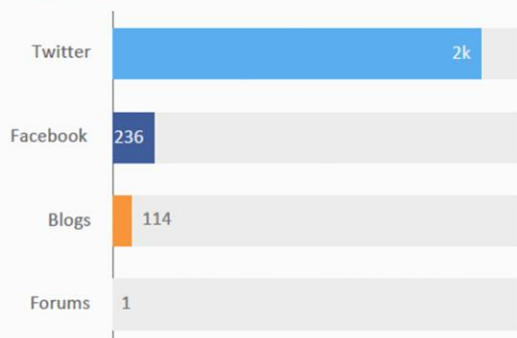
icipe's social media mentions increased 107% during this quarter, with Twitter accounting for 85% of social volume, followed by Facebook with 10%. The most popular tweets were on the icipe@50 celebrations and the World Food Day celebrations.

ICIPE's social exposure increased 107%

Social Media Exposure - Oct 1, 2020 - Dec 31, 2020



SOCIAL CHANNELS



TONALITY

