

Media presence

My project is published in innovation platform websites and pages like

The TIC AMERICAS website via link below

<https://ticamericas.net/finals/finalist/caribbeansargassumproblem.php>



CARIBBEAN INNOVATION COMPETITION
Sargassum

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 **Caribbean Sargassum Problem**
Jamaica

This project involves solving the Caribbean Sargassum problem by preventing them from piling up and decaying. Since this is the basic problem, we will not give time to the Sargassum to pile and decay, and we will prevent it by using the following [device](#).

The algae have considerable volume, but we have the advantage of the current, in which we will use a structure to direct Sargassum into a blade. The structure is a stationary fixed on the ground, depending on the direction of the current of the shore, then the blade will force the Sargassum to be collected in the holding storage designed by a flexible hard net that allows water to pass, but not the algae.

 0:00 / 1:16

[Vote for this Team](#)

Figure 1 – Caribbean Sargassum Problem Publication on TIC AMERICAS web page

The TIC AMERICAS yearly magazine via link below

<https://ticamericas.net/en/magazine.php>



Team members
MIEMBROS DEL EQUIPO

Arteneh Gashaw



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Team members
MIEMBROS DEL EQUIPO

Joshua Forte, Verol-Ani Scott,
Annie Desrochers and Bryan Cummings



Red Diamond Climate Adaptation Ecosystem Initiative is a direct response to the global call for climate action. Our solution is to create a range of organic and biological crop protection and other soil treatment products such as fertilizers, bio-stimulants, and soil conditioners. Our products are made mostly from organic waste materials that would otherwise be dumped in the landfill or placed in the waters polluting our oceans and rivers. We take these materials and convert them into valuable end products to boost agricultural productivity, remove toxins from the food supply, and strengthen food and nutrition security and build climate resilience.



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Figure 2 – Caribbean Sargassum Problem Publication on TIC AMERICAS magazine

The Digital Maker space web site via link below

<https://conservationx.com/project/id/372/caribbeansargassumproblem>

Caribbeans Sargassum problem

UNKNOWN PROFIT MODEL, UNKNOWN IP MODEL, MARKET SHAPING PHASE, OPEN TO NEW MEMBERS

Solving the Caribbean Sargassum problem by preventing them from piling up and decaying.

The Problem

Record-breaking amount of Sargassum is in the Caribbean resulting in the highest problem ever gotten. The major problems it has brought are it piles up on beaches, sometimes many feet thick and begins to decay. The hydrogen sulphide that gets released smells like rotting eggs and many resorts had to close their doors. Since the species are Sargassum natans and Sargassum fluitans float they block sunlight creating dead zone beneath them because plants under need sunlight to survive and the clean-up and removal of sargassum is an expensive task. This project proposes new way to solve this problem. The best solution is a long term solution but the Caribbean economy depends upon tourism that it needs a quick solution other than cleaning up the algae on normal or standard method. Since the basic problem is for the algae float, pile up and decay; we will give it no time to pile and decay by using a device seen above. Since the algae have considerable volume and we have the advantage of the current, we use the green structure to direct Sargassum into the red blade. The green structure is stationary fixed with the ground depending on the

CHALLENGE TAGS

- Caribbean biodiversity
- Sargassum

SOLUTION TAGS

- Caribbean biodiversity
- Sargassum

PROJECT INSTIGATORS (1)


-  **Anteneh Gashaw [399]**
Anteneh Engineering
Addis Ababa, Ethiopia

Figure 3 – Caribbeans Sargassum problem project web page in the Digital Maker Space platform by conservation labs

The hackaday.io platform via link below

<https://hackaday.io/project/172019-caribbean-sargassum-problem>

The image shows a screenshot of the Hackaday.io website. At the top, the navigation bar includes 'HACKADAY.IO', 'Projects', 'Discover', 'Contests', 'Stack', 'More', a search bar, and 'Sign up' and 'Log In' buttons. The main content area features a large banner image of a coastal town with a blue sky and water. Overlaid on the banner is the title 'Caribbean Sargassum Problem' in large white text, followed by the subtitle 'Solving the Caribbean Sargassum problem by preventing them from piling up and decaying.' Below the subtitle is the author's name 'Anteneh Gashaw' and two yellow buttons: 'Follow project' and 'Like project'. At the bottom right of the banner are two more buttons: 'Join this project' and 'Public Chat'. Below the banner, there are statistics: '69 views', '0 comments', '0 followers', and '2 likes'. A navigation menu includes 'Description', 'Details', 'Files 1', 'Components 0', 'Logs 0', 'Instructions 0', and 'Discussion 0'. The 'DESCRIPTION' section is partially visible, starting with 'Record-breaking amount of Sargassum is in the Caribbean resulting in the highest problem ever gotten. The major problems it has brought are it piles up on beaches, sometimes many feet thick and begins to decay. The hydrogen sulphide that gets released smells like rotting eggs and many'.

Figure 4 – Caribbeans Sargassum problem project web page in the hackaday.io platform

The create the future web site by tech briefs platform via link below

<https://contest.techbriefs.com/2019/entries/manufacturing-robotics-automation/9468>

The screenshot displays the 'Create the Future' design contest interface. At the top, the contest logo is accompanied by the text 'DESIGN CONTEST PRODUCED BY TECH BRIEFS'. To the right, a 'PRINCIPAL SPONSORS' section lists COMSOL, MOUSER ELECTRONICS, ANALOG DEVICES, and intel. Navigation links for 'HOW TO ENTER', 'HOW TO VOTE', 'RESOURCE CENTER', 'ABOUT', 'RULES & TIPS', 'ENTRIES', 'ARCHIVE', 'PRIZES', 'FAQS', and 'CONTACT' are visible. The main content area features the entry 'Caribbean Sargassum Problem' by Anteneh Gashaw from Ethiopia, with 28 votes and 952 views, dated April 23, 2019. The entry includes a 3D CAD model of a sargassum collection and directing structure. A sidebar on the right allows filtering entries by contest category, with 'Manufacturing/Robotics/Automation' selected.

Figure 5 – Caribbeans Sargassum problem project web page in the the future web site by tech briefs platform



Facebook page for the Caribbean Sargassum Problem project which you can see via the link

<https://www.facebook.com/Caribbean-Sargassum-Problem-project-100541691715119>



Figure 6 – Caribbeans Sargassum problem project web page in the facebook platform

Youtube page for the Caribbean Sargassum Problem project which you can see via the link

<https://youtu.be/-zEQX5Fsq5U>



Search



TIC AMERICAS PITCH VIDEO BY ANTENEH GASHAW FOR THE CARIBBEAN SARGASSUM PROBLEM PROJECT

Figure 7 – Caribbeans Sargassum problem project web page in the youtube platform