



WAFA AWARDS
WATER AIR FOOD AWARDS 2023

CERTIFICATE

Solar PV Powered Energy Efficient
Jaggery Units for Energy-Economic Self
Sufficiency of Farmers and Women
Entrepreneurs in India

WAFA AWARDS WINNER 2023
Youth Climate Category



Tina Lindgreen
Executive Chairperson
WATER AIR FOOD AWARDS

KINDNESS DRIVEN



**The Water Air Food Awards
Bloxhub
Bryghuspladsen 8 1453
Copenhagen C
Denmark.**

PRESS RELEASE: Bharati Vidyapeeth College of Engineering Lavale reaches finals of prestigious Water Air Food Awards

For immediate release

PRESS CONTACT:
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ivml@wafaward.org

The Bharati Vidyapeeth College of Engineering Lavale has been selected as a finalist in The Water, Air and Food Awards, Youth Climate Category.

Jaggery is one of the most popular sweeteners produced by concentration of sugarcane juice manufacturing in India. The producing belt contains one of the oldest small scale business enterprises, however, it performs poorly in terms of technical and economical sustenance due to heat losses, over-sizing of machines and wastage of bagasse. Farmers and rural entrepreneurs use diesel generator sets that cause huge carbon emissions, noise pollution and increased operational costs of the jaggery business. The lack of cost-effective and scientifically designed energy efficient units triggered the need to address power load and environmental challenges faced by farmers and rural entrepreneurs involved in jaggery making.

Keeping all these issues in mind Prof. Dr. Totappa Hasarmani from Bharati Vidyapeeth College of Engineering, Lavale Pune India, a well-known researcher, progressive farmer and rural entrepreneur aimed on technology upgradation and application of renewable energy resources to conventional jaggery units for Energy-Economic Self Sufficiency. He has designed and developed "Solar PV powered Energy Efficient Jaggery Units" with 30 to 50 Ton crushing per day (TCD) capacities.

The initiative has directly impacted 2500 people with rural employment opportunities & women empowerment. Annual generated electricity is 16.08 MWh and GHG emission has been reduced by 7%. There was no power shortage, black out or load shedding issues and diesel consumption has been reduced by 90% compared to conventional jaggery units. More than 40% of bagasse has been saved, providing additional revenue to farmers.

WAFA invites the public to vote for their favourite via their website wafaward.org, until 8th June. The winners will be chosen by public voting and celebrated at the WAFA [online event](#) on 15th June at 16:00 CEST.

Says WAFA Executive Chairperson & CEO Tina Lindgreen: "This year's finalists all show ingenuity, tenacity, and social entrepreneurship. They are all silent heroes, bringing us hope and inspiration that all around the world communities secure their access to the basics of life in a sustainable way. And by giving them recognition they actualise their potential to scale and replicate their innovations.

The Award Ceremony and announcement of the winners will this year be held online and feature water, air and food experts, the finalists, renowned speakers, and musicians.



**The Water Air Food Awards
Bloxhub
Bryghuspladsen 8 1453
Copenhagen C
Denmark.**

ABOUT WAFA

The Water, Air and Food Awards, WAFA, is a Copenhagen-based NGO dedicated to identifying initiatives that show practically what can be done to ensure water and food security and clean air. By offering an annual award, WAFA identifies and showcases initiatives already working to remediate the earth's environmental and social challenges.

The prestigious Award Events communicate positive messages of hope and invite sponsoring and partners to further support, spread and build on these grass-roots innovations.

Since 2010 over 500 WAFA applicants have gained approval and 14 have been awarded from countries as far apart as Canada, Jordan, and India.

ABOUT THE FINALIST

<https://www.wafaward.org/2022/10/18/bharati-vidyapeeth-college-of-engineering-lavale/>

<http://bvcoe.bharatividyaapeeth.edu/>

OVERALL BEST PAPER AWARD [JOINT]

is hereby presented to

**Totappa Hasarmani, Rajesh Holmukhe, Abhishek Gandhar,
Shikha Bhardwaj**

for the paper titled

Optimum Sizing and Performance Assessment of Solar PV-DG
Hybrid System for Energy Self Sufficiency of Jaggery Making Units

at **"Bangalore Humanitarian Technology Conference", BHTC-2020**

organised by **IEEE Bangalore Section**

from **8-10 October, 2020**



Chandrakanta Kumar

TPC Chair



Puneet Kumar Mishra

General Chair

Chair-IEEE Bangalore Section

IEEE PuneCon 2018

1st International Conference on Data Science and Analytics

BEST PAPER AWARD

This is to certify that Dr. / Mr. / Ms. Totappa Hasarmani
was awarded the best paper award for the track: Agriculture and Resources
for his/her research paper titled Techno-Economic Sizing of Renewable Energy
Resources for Energy Improvements in Jaggery Making Process in the
"International Conference on Data Science and Analytics (IEEE PuneCon 2018)"
held on 30th Nov, 1st & 2nd Dec 2018, jointly organized by
Symbiosis Institute of Technology and IEEE Pune Section



Dr. Swati Ahirrao
TPC Chair,
IEEE PuneCon '18



Dr. Shraddha Phansalkar
Organizing Chair,
IEEE PuneCon '18



Dr. Rajesh Ingle
General Chair,
IEEE PuneCon '18



Dr. K Kotecha
General Chair,
IEEE PuneCon '18

SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

Established under Section 3 of the UGC Act, 1956 | Re-accredited by NAAC with 'A' grade (3.58/4) | Awarded Category - I by UGC



Certificate of Participation

This certificate is awarded to

Totappa Hasarmani

as

Session Chair

who was participated in The 2nd International Conference
INFORMATION AND COMMUNICATIONS TECHNOLOGY 2019 (2nd ICOI ACT 2019)
Yogyakarta - Indonesia, 24-25 July 2019

General Chair of 2nd ICOI ACT 2019

Arief Setyanto, S.Si., M.T., Ph.D.

Organized by:



Supported by:



Sponsored by:



2nd ICOI ACT 2019



IEEE Travel Grant

\$400

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International Conference on Information & Communications Technology

2nd ICOLACT
2019



Santosh Hasarmani <hasarmanits@gmail.com>

Your application for PerCom 2021 participation grant

1 message

Jadwiga Indulska <jaga@itee.uq.edu.au>

Wed, Feb 24, 2021 at 3:28 PM

To: "hasarmanits@gmail.com" <hasarmanits@gmail.com>

Dear Totappa,

!!! PLEASE READ THIS LONG MAIL IN FULL !!!

Congratulations! You have been awarded the IEEE participation grant to attend IEEE PerCom 2021 conference (www.percom.org) that was planned for Kassel, Germany, but due to the COVID pandemic will be held virtually. The Conference will be held using the ZOOM and GatherTown conferencing platforms.

We received many more high quality applications than could be supported. So you are to be congratulated!

We need your acceptance of participation grant award by Friday, Feb 26, 2021.

You will be required to attend all events associated with PerCom 2021 over five days (including some workshops on Monday and Friday). The objective is to benefit as much as possible - listen to world class researchers, network with peers, and be inspired to succeed in research career.

Let us know immediately if you do not wish to accept the grant nor wish to attend all events at PerCom 2021. In that case the participation grant would be given to another deserving student in the wait list. If we do not hear from you by Friday (Feb 26), this award letter will be VOID.

Please note that you would need to register as a student paying the early student registration fee (190 euro for IEEE members and 230 euro for non-IEEE members) by 5 March unless you have already registered as an author of an accepted paper in the main conference, workshop, industry track, WiP/Demo session, PhD Forum, etc. If you accept the award you will receive another email that will tell you how to register and pay the registration fee – **please do not use the registration link on the PerCom website as the early registration is no longer available there.**

You will receive the participation grant money from IEEE after the conference provided that you attend the full PerCom conference.

Look forward to your acceptance by Friday, Feb 26, 2021.

Thanks,

Klaus David and Jadwiga Indulska, PerCom 2021 General Chairs

IEEE PerCom 2021

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Student participation grants

TCCC provides student participation grants for some of its sponsored conferences. Student authors of accepted conference papers or posters can apply for these grants in order to get financial support for their conference travel and/or registration expenses. Note that student participation grants are awarded by the conference organizers; TCCC is **not** involved in the selection process and will not process unsolicited applications. Past recipients of TCCC-supported student participation grants are shown below.

Recipients of the student participation grants at IEEE

PerCom 2021

TCCC sponsored four student participation grants at IEEE PerCom 2021:

- Luca Arrotta, University of Milan
- Totappa Hasarmani, Bharati Vidyapeeth Deemed University College of Engineering
- Riccardo Presotto, University of Milan
- Zheng Yang, University of Science and Technology of China

Recipients of the student participation grants at IEEE PerCom 2020

TCCC sponsored two student participation grants at IEEE PerCom 2020:

- Soumyajit Chatterjee, IIT Kharagpur
- Yifan Du, Inria Paris

Recipients of the student