



CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT, ODISHA

WEBINAR

on

“Genomics approaches towards the improvement of Pearl Millet”

29th September 2021

Resource Person:

**Dr. Harshraj Shinde,
Post-Doctoral Research Fellow,
Environmental Epigenetics and Genetics Group,
College of Agriculture Food and Environment,
University of Kentucky,
Lexington, America**

No. of Participants: 57

Objectives:

- To analyze past breeding strategies followed in Pearl Millet.
- To examine the prospects of further accelerating genetic gains to meet the greater demand for Pearl Millet and to make its cultivation more profitable.

Detailed Report

The webinar was conducted under the “**Sustainable Development Goal**” webinar series. The Department of Botany, School of Applied Sciences, organized it on 29th September 2021 on the topic “**Genomics approaches towards the improvement of Pearl Millet.**” The invited speaker Dr. Harshraj Shinde, a postdoctoral research fellow from the University of Kentucky, delivered a talk on the above topic. In the inaugural session, Dr. Rukmini Mishra, HoD, Botany Department, presented the welcome address. Dr. Yashaswi Naik, Dean, School of Applied Science, addressed the session. The webinar aimed to educate the participants about genomic tools and their utilization in crop improvement.

Dr. Harshraj Shinde completed his Ph.D. in plant biotechnology from the University of Tokyo, Japan. During his Ph.D., he worked on improvement in pearl millet by using a genomic approach. He is M.Sc. in Biotechnology from Tamilnadu Agricultural University, Coimbatore, and B.Sc. in Agricultural Biotechnology from Vasant Rao Naik Marathwada Agricultural University, Parbhani, Maharashtra. His area of expertise includes metagenomics, RNA sequencing, transcriptome data analysis, and plant genetic transformation. He has more than 20 research publications in both national and international repute. During his talk, he emphasized the screening of genotypes, their comparison and molecular evaluation. Also, he discussed his collaborative work with ICRISAT, Hyderabad, from where they got crop germplasm for study.

In conclusion, Dr. Sutar Suhas Bharat, Assistant professor, Department, Botany, and School of Applied Sciences, presented the vote of thanks by expressing her gratitude to the chief speakers. He also thanked all the students and faculty present in the webinar from different campuses to make it an interactive session. More than 25 faculty and 90 students attended the seminar.

Outcome

As per the webinar, Pearl millet is becoming a crucial food crop that provides nutrition, calories and livelihood security to the poor and marginal people. Pearl millet is a crop of choice because of its important role in enhancing the resilience to climate change. After the webinar, participants learnt the importance of genomics in the pearl millet.

Brochure related to the event:

INTERNATIONAL WEBINAR ON:
Genomics approaches towards the improvement of Pearl Millet.

Sustainable Development Goal Webinar Series

Organized By
Department of Botany
SoAS, CUTM

Sep 29 Wednesday
09:30 am IST

Join Zoom Meeting:
<https://us04web.zoom.us/j/710167035822?pwd=eXkyYU9lUDU3RjJPekxFUm91eMkZz09>
Meeting ID: 710 1670 3582
Passcode: Jr9rt7

For queries contact:
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Speaker:



Dr. Harshraj Subhash Shinde

Post-doctoral researcher,
Environmental Epigenetics and Genetics Group,
College of Agriculture Food and Environment,
University of Kentucky,
Lexington, America
e-mail: harshraj2@uky.edu

With more than 10 years of experience, Dr. Shinde is one of the most conversant researchers in his field. His area of expertise includes Genomics: RNA seq and data analysis, Metagenomics, and Plant Genetic Transformation.

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List of Participants

1	Dr. Anita Patra
2	Mr. Pramod Saini
3	Mr. Gouri Kumar Sahu
4	Dr. Satyanarayan Dhal
5	Dr. Prasanta Kumar Rath
6	Dr. Subhasmita Mishra
7	Dr. Narayan Gouda
8	Dr. Rosy Mallik
9	Dr. Santosh Kumar Nanda
10	Dr. Sivala Kumar
11	Dr. Gitanjali Behera
12	Dr. Shekhar Kumar Sahu
13	Dr. Santosh D.T.
14	Dr. Mitali Madhumita
15	Dr. Ruby Pandey
16	Dr. Sonam Sandeep Dash
17	Dr. Rajashree Jena
18	Dr. Prasanta Kumar Choudhury
19	Dr. Bhisma Narayan Rath
20	Dr. Satyabrata Nanda
21	Dr. Ashish Ranjan Dash
22	Dr. Trilochan Penthia
23	Nanda Kishore Ray
24	Mr. Satyanarayan Padhy

25	Mr. Rajesh Kumar Misra
26	Ms. N. Jeevaratnam
27	Dr. Prafulla Kumar Panda
28	Mr. Vignesh M.
29	Dr. Rajib Kumar Majhi
30	Dr. P. Srinivasa Rao
31	Mr. Mir Sadat Ali
32	Dr. Sujit Mishra
33	Dr. Santosh Patro
34	Dr. Nagesh Kolagani
35	Dr. Dhawaleswar Rao CH
36	Mr. Debendra Maharana
37	Mr. Md. Sameen Chishtis
38	Mr. Abinas Panda
39	Dr. Dillip Rout
40	Mr. Anshuman Pattanaik
41	Mr. Kirtidev Mohapatra
42	Jagannath Padhy
43	Tofan Kumar Nahak
44	N. Dibakar Choudhury
45	Dr. Debi Prasad Satapathy
46	Dr. Durga Prasad Padhi
47	Dr. Kakani Grihalakshmi
48	Dr. Parle Kalyan Chakravarty
49	Dr. S. Kameswar Rao

50	Dr. Tapas Bantha
51	Dr. Atanu Deb
52	Dr. B. Narsimha Rao
53	Dr. Anant Tamang
54	Dr. Gouranga Ch. Mishra
55	Dr. Tanmoy Shankar
56	Dr. Ashirbachan Mohapatra
57	Dr. V. Narsimha Reddy



Prof. KVD Prakash
Dean - IIE & HRD



Dr. Prasanta Ku. Mohanty
Dean Academic