Echoes of Eco

July, 2020 Vivekananda Kendra- nardep Newsletter Vol:12 No: 05

Webinar to connect the unconnected

Farming Practices

Date	Topic	No. Participants attended	YouTube link	Resource persons
3rd	Webinar – "Value added products from Banana"	78	https://youtu.be/jV_8C9ySofQ	Shri.C.Arumugam, Agriculturist, Kanyakumari
17th	Webinar – "Miner fruits and Value added products"	73	https://youtu.be/bzzOwtwqDNg	Dr.T. Prabhu & Dr.CissieTheeblyn David, KVK, Tirupatisaram
24th	Webinar – "Micro greens and health"	40	https://youtu.be/SWxf8ZsNkIk	Dr.CissieTheeblyn David, KVK, Tirupatisaram

Holistic Health

4 days	Green Health Home	88 patients	N.A	Dr.V.Ganapathy

Webinar to connect the unconnected

Renewable Energy Sources

Date	Topic	No. Participants attended	Sponsored /Organized by	Resource persons
3rd	Webinar –Waste management of college campus	140	Mahatma Gandhi National Council of Rural Education (MGNCRE), Hyderabad	Shri.Ramakrishnan – Shakti Surabhi Bio-methanation plant Shri.G.Vasudeo – Need of change in life style after pandemic
11th and 12th	Online training programme on "Kitchen waste based bio-methanation plant"	22	DST, New Delhi	Shri.Ramakrishnan
23rd	Webinar - Waste management with an efficient Action Plan for Campus Swacchta	45 Principals of Alagappa university	Mahatma Gandhi National Council of Rural Education (MGNCRE), Hyderabad	Shri.V.Ramakrishnan gave a presentation on 'Bio-methanation technology'
24th	Webinar - Waste management with an efficient Action Plan for Campus Swacchta	170 Principals of Pondicherry University and Jal Shakti	Mahatma Gandhi National Council of Rural Education (MGNCRE), Hyderabad	Shri.V.Ramakrishnan gave a presentation on 'Bio-methanation technology'

Webinar to connect the unconnected

Renewable Energy Sources

Date	Topic	No. Participants attended	Sponsored /Organized by	Resource persons
25th	Webinar - Waste management	70 Principals of University of Madras	Mahatma Gandhi National Council of Rural Education (MGNCRE), Hyderabad	Shri.V.Ramakrishnan gave a presentation on 'Bio-methanation technology'
27th	Webinar –Solid Waste management	130 Principals of Manonmaniam Sundarnar University	Mahatma Gandhi National Council of Rural Education (MGNCRE), Hyderabad	Shri.V.Ramakrishnan gave a presentation on 'Bio-methanation technology'

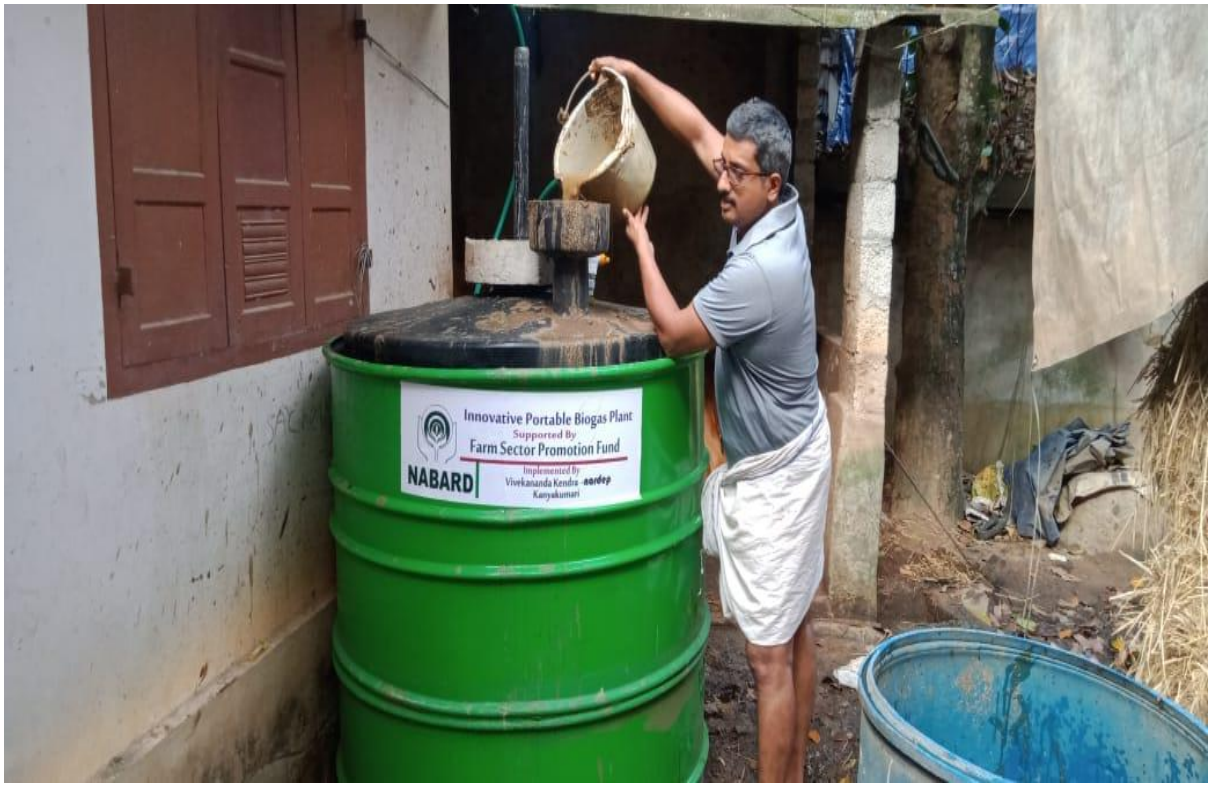
Networking / Extn. Activities

27th	Meeting of the consortium partners of IMPRINT Project "Multi-Crop Residue Processing Technology Package for Production of Fuel and Fertilizer"	15	Tezpur university	Shri.G.Vasudeo attended the meeting

Commissioning of Bio-methanation Plants

1) Smt. Vasanthakumari, Nagercoil - 1 cum portable Shakti Surabhi Bio-methanation plant based on Kitchen waste

2) Shri.Ramachandran Nair, Prakal, Manjalmudu Post, Mealpuram Block, Near Arumanai - 1 cum portable Biogas plant based on cattle dung sponsored by NABARD, Chennai



Shri.Aravind, son of Shri.Ramachandran Nair pouring cow dung slurry into the biogas plant

Preparation of Organic Vibhuti (Bhasmam) From Indigenous Cow at VK-Nardep

It is very difficult to get good quality Bhasmam (Vibhuti) in the market. Most of the brands are using chemicals for getting white colour and flavor. So we tried our hand in making organic vibhuti from the indigenous cow dung. Initial results are good although there is scope for further improvement.

Famous Gir cow at Vivekananda Kendr's Gowshala

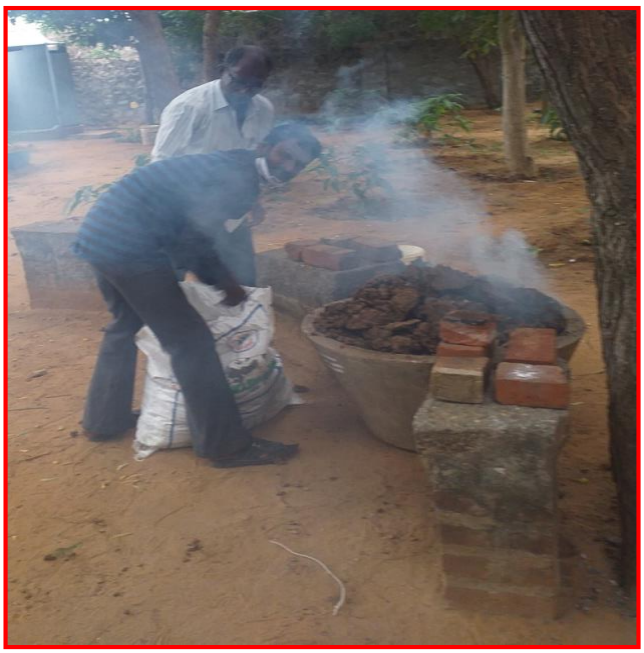
Collecting good quality cow dung without sand or soil

Preparation of Organic Vibhuti (Bhasmam) From Indigenous Cow at VK-Nardep

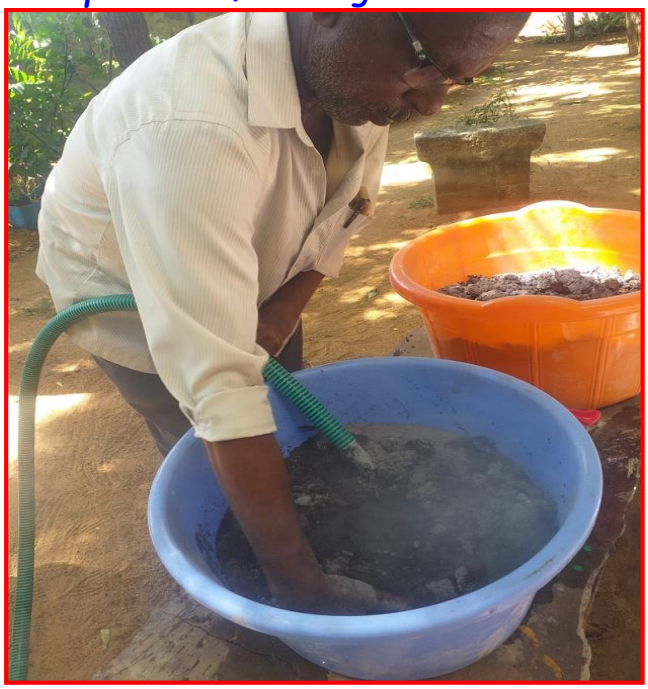
Drying of cow dung in the sun by placing it on the silpaluine sheet

Crushing the cow dung cake and placing it in a big ferro cement pot or mud vessel

Preparation of Organic Vibhuti (Bhasmam) From Indigenous Cow at VK-Nardep



Firing the dung heap – allow slow burning without flame (slower the process of burning - better the result)



Mix the ash with water and make it slurry for further purification (remove the sand, fine stone and bigger participles)

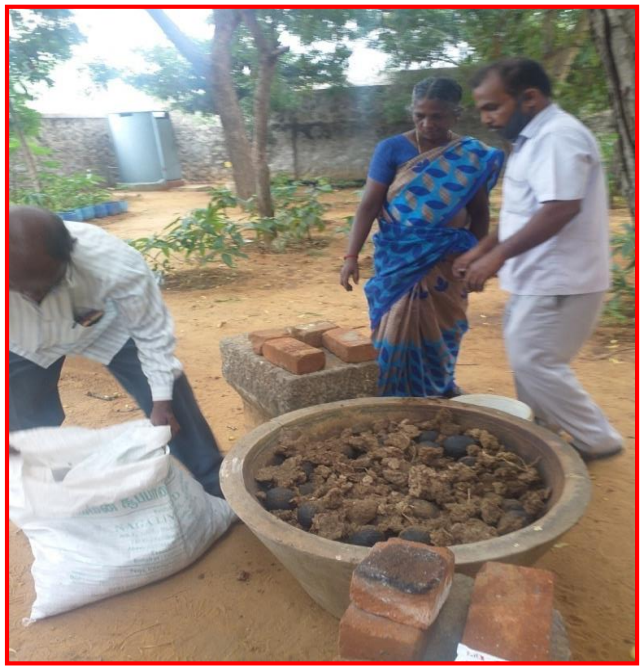
Preparation of Organic Vibhuti (Bhasmam) From Indigenous Cow at VK-Nardep

Spread the ash slurry in the thin cotton cloth – the water will be drained and the quality ash will remain at the top

Prepare ash balls from the quality ash for again putting in the kiln

Preparation of Organic Vibhuti (Bhasmam)
From Indigenous Cow at VK-Nardep

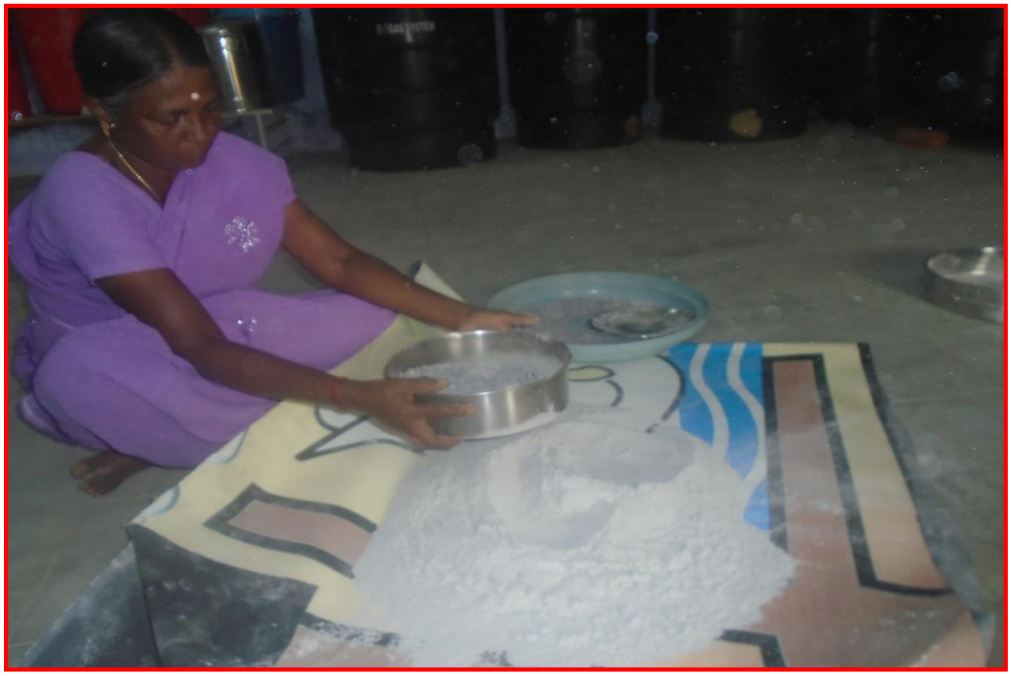
Position the ash balls for firing in the kiln having dried crushed cow dung



Cover the ash balls with dried crushed cow dung and set it on fire
(baking should be as slow as possible – it gives white colour to the Vibhuti)

Preparation of Organic Vibhuti (Bhasmam) From Indigenous Cow at VK-Nardep

Now remove the ash balls from the burnt ash



Crush it, powder it and sieve it to get finest possible vibhuti

Preparation of Organic Vibhuti (Bhasmam)
From Indigenous Cow at VK-Nardep

Feel the finesse by hand – now the vibhuti is ready for packing

Mix the vibhuti with indigenous cow milk and make a stick for using it during travel