BIOGAS DIGESTERS:TECHNOLOGY EXTENSION

Installation of Biogas Reactor at Chitkara University, Baddi (H.P.) (18 February 2022)







Fabrication and Installation of a biogas reactor at Govt. Senior Secondary Girls School, Solan, HP: 20 September, 2019.







Biogas reactor and training program at Govt. senior secondary school, Burmana, Bilaspur, HP – sponsored by JUIT and Ministry of Rural Development, HP. (Training: 08-04-2019 and Installation: 30-10-2018)







Awareness and Exposure Visit of Farmers To JUIT Waknaghat for their Socioeconomic Improvement

Organised at JUIT in collaboration with DST-SYST Funded Project On "Socio-Economic Upliftment of High Altitude Farmers of Himachal Pradesh Through Transfer of Micropropagation Technologies for High Value Medicinal Herbs" On 25th and 26th December, 2018 Coordinator: Dr. Hemant Sood [FOR MORE INFORMATION CLICK HERE]

Five farmers of The Phati Jana Cooperative Agriculture Service Society, Village Archandi, Kullu of Himachal Pradesh visited Department of Biotechnology and Bioinformatics for Awareness and Exposure visit for improving their socioeconomic status and exploring future avenues for themselves and for their society members. They have reached JUIT on 25th December and in the evening media preparation was carried out for demonstration of plant tissue culture techniques. On 26th they were informed about basics of plant tissue culture and different ways of carrying out micropropagation of medicinal plants. They were demonstrated with plant tissue culture techniques in Plant Tissue Culture Lab of the Department of BT &BI. Afterwards they have

carried out transplantation of tissue culture plants in the glass house of the department. They were taken to High end instrumentation lab where they were informed about quantification of medicinal compounds for the quality assurance of medicinal plants. They have visited other labs and finally taken to Biogas plant near mess area, where Mr Karam Das has provided the information about the digester and modes of producing Biogas with high efficiency protocols. Farmers were highly amazed and have quite satisfying feedback with this exposure visit and they requested for summer trainings. Dr Hemant Sood, Associate professor in the Department of BT&BI, Jaypee University Of Information Technology, Waknaghat has coordinated this visit along with Rolika Gupta(PhD Scholar). HOD & Professor (Dr) Sudhir Syal and JUIT administration and DST were deeply acknowledged for this visit.

Farmers at JUIT Campus and in the Glasshouse of Department of BT&BI









Biogas reactor at Govt. middle School Gyankot village, Sirmour under Vigyan Gram Scheme HP – sponsored by HP Science Council (30-03-2018)



Biogas reactor and training program at Govt. primary school, Dhar Anji village, Solan sponsored by HP Science Council (29-05-2017)





Biogas reactor at Govt. primary school, Bani Pooghat village, Solan sponsored by HP Science Council (28-12-2016)



Converting waste into cooking fuel

TRIBUNE NEWS SERVICE

SOLAN, MAY 6

Dr Sudhir Syal and Dr Ashish Kumar from Jaypee University of Information Technology, Waknaghat in the district, fabricated a unique biogas digester that uses waste food, vegetable refuse and agricultural residue. It can be used as a substitute for LPG.

Dr Syal said the design was originally developed at the Appropriate Rural Technology Institute in Maharashtra and first of its kind digester for schools had been designed by them. One such device had been installed at Government Primary School at Pooghat-Bani in the district. It would provide them about 30 to 40 minutes of fuel on a daily basis to cook midday meal and it would sub-



Biogas digester developed b JP University of IT, Waknaghat.

stantially bring down the LPG usage, he said. The research was funded

The research was funded by the HP Council for Science Technology and Environment, Shimla. Dr Apama Sharma and Manoj Kaul from the council kick-started its operations at the Pooghat-Bani school yesterday. The equipment is slated to

The equipment is slated to bring down the LPG usage of the school. Priced at Rs 15,000, it can be easily transported as per the needs.

"This is the most appropriate system for people living without livestock and in build-up area. As on now, system produces 30-40 minutes of cooking gas per day," they said.

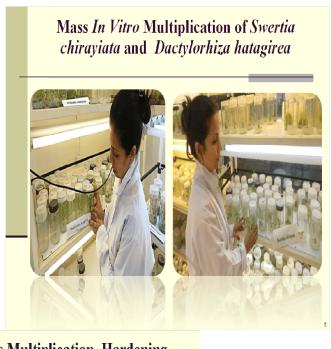
The scientists are now trying to improve its efficiency using crushed pine needles. This system is an ideal way to manage household waste and to produce decentralised power generation. The usage of this technology will also save women from smoky kitchen and time lost in searching for firewood.

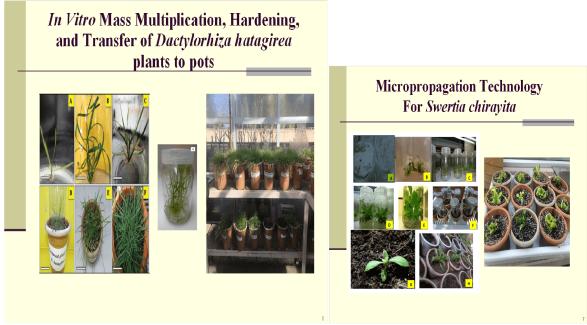
On request of Eternal University, Baru Sahib of Distt.Sirmour (HP) Dr. Sudhir Kumar and Dr. Ashish Kumar fabricated a biogas plant and transferred the technology at their university campus, on 17th January 2015.On request of Eternal University, Baru Sahib of Distt.Sirmour (HP) Dr. Sudhir Kumar and Dr. Ashish Kumar fabricated a biogas plant and transferred the technology at their university campus, on 17th January 2015.





Dr Hemant Sood, Associate Professor in the Department of BT/BI has transferred micropropagted medicinal plants to the farmers of Kullu district, under DST –SYST project (2015-2018) from SEED (Science for Equity Empowerment and Development) Division of Department Of Science and Technology.





Training and Interaction with Farmers in Fields at Kullu District of HP

Hardening in the nethouse



Acclimatization And Establishment of Micropropagated plants in Farmer's Fields



Training Farmers on Planting and Growing Hardened Plants of Swertia chirayiata and Dactylorhiza hatagirea





Officers of Ministry of Rural Development, Government of Himachal Pradesh, 10-12 Pradhans (heads) of Gram Panchyats of villages of various districts including Burmana, Bilaspur, Civil engineers and Technicians visited JUIT on 23 Sep. 2014 to see the live demonstration of biogas digester.



Biogas reactor for JUIT worker's Mess- sponsored by JUIT(2009)













Government of Himachal Pradesh Rural Development Department

No. SMG-1/2015 - RDD- (SBM-G) - Budget - Dated Shimla - 171009

May, 2018.

NOTIFICATION

In pursuance to the instructions issued by the Ministry of Drinking Water and Sanitation, Govt. of India , vide DO No. S-15014/1/2018 -SBM-III dated 2nd May, 2018, the State Technical Advisory Committee (STAC) for implementation of GOBAR -DHAN scheme under the Swachh Bharat Mission- Gramin is hereby constituted as under :

Mission Director – Swacob Bharat Mission- Gramin

- Chairperson
- 2. Member Secretary, The State Council for Science , Technology & Environment
- Member
- Head, Department of Agriculture-Bio Technology, CSKH.P. Agriculture University, Palampur Member
- HoD, Department of Bio-Technology, JPUIT, Waknaghat, Solan

-Member

5. Joint Director, Rural Development Department

-Member Secretary

By order

(Rakesh Kanwar) Director cum Special Secretary (RD) to the Govt. of Himachal Pradesh

Endst. No SMG-1/2015 - RDD- (SBM-G) - Budget - Dated Shimla - 171009 30 4 May, 2018. Copy forwarded for information and necessary action to :

- 1. Joint Secretary, Ministry of Drinking Water and Sanitation, 4th Floor, Pt. Deendayal Antodaya, Bhawan , CGO Complex , New Delhi - 110003
- The Member Secretary . State Council for Science , Technology & Environment for information
 The Mission Director Swachh Bharat Mission- Gramin , Rural Development Department , Shimla-
- Head , Department of Agriculture Bio Technology , CSK H.P. Agriculture University , Palampur for
- 5. HoD , Department of Bio-Technology , Jay Pee University of Information Technology , Waknaghat Solan for information
- 6. The Joint Director (RD) . Shimla-171009

(Gian Sagar Negi Joint Secretary (RD to the Govt. of Himachal Prades

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स्वच्छ भारत मिशन (ग्रामीण)

पेयजल एवं स्वच्छता विभाग, झारखण्ड, राँची

डोरडा बाजार पानी टंकी परिसर, प्रथम तस, डोरंडा बाजार, रॉधी—834002 फोन न,-0651-2482876 Email-sbmg.jtar@gmail.com

संख्या:SBM(6)/60bmdhan Scheme - 221/ 18-1418 दिनांकः क

दिनेश कुमार सिंह संयुक्त सचिव-सह-संयुक्त निदेशक, SBM(G), पेयजल एवं स्वच्छता विभाग झारखण्ड, राँची।

ग में.

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9. Dustara Solutations Pvt. Ltd. Email - vinod@dustara.com

गोबरघन योजना से संबंधित Technical Agencies का MIS में Registration वेषयः कराने के संबंध में।

रहाशय.

उपरोक्त विषय के संबंध में कहना है कि गोबरधन योजना से संबंधित कार्य को गरंभ करने हेतु भारत सरकार की और से सभी Technical Agencies का SBM के MIS में Registration कराने हेतु आदेश प्राप्त हुआ है। विशेष जानकारी हेतु इस पत्र के साथ MIS का Print Screen उपलब्ध करायी जा रही है।

अतः आग्रह है कि आप निम्न लिंक http://sbm.gov.in/gobardhan/Registration.aspx पर जाकर अपने Agency का Registration करा कर निदेशालय, स्वच्छ भारत मिशन(ग्रामीण) के ईमेल sbmg.ihar@gmail.com पर अवगत कराना सुनिश्चित किया जाय।

विश्वासभाजन,

(दिनेश कुमार सिंह) संयुक्त सचिव -सह-संयुक्त निदेशक,