

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

PRANAB MUKHERJEE FOUNDATION

AND

KR MANGALAM UNIVERSITY



Registrar

**K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)**

This Valid and Binding Memorandum of Understanding is entered into at Gurugram on this 15TH day of June 2021, between

PRANAB MUKHERJEE FOUNDATION, (henceforth referred to as PMF), a Section 8 Company duly registered under the Companies Act, 2013 and having its registered office at S-22, Greater Kailash - II, New Delhi 110048, duly represented by Managing Director Mrs. Omita Paul (hereinafter referred to as "First Party"), which expression shall unless it be repugnant to the context mean to include its legal representatives, assigns, hereinafter also referred to as 'party of the First Part'

AND

KR MANGALAM UNIVERSITY, (henceforth referred to as KRMU) Sohna Road, Gurugram, Haryana represented by its Registrar, Gp Capt P Mahajan (hereinafter referred to as "Second Party"), which expression shall, unless excluded by or repugnant to the context, be deemed to include its administrators and permitted assigns of the other part, hereinafter also referred to as 'party of the Second Part'

This Memorandum of Understanding (MoU) sets the terms of understanding among Pranab Mukherjee Foundation and the Second party shall collectively be referred to as the "Parties" and individually as a "Party". The MoU shall be valid for a period of 02 (Two) years beginning on this 15TH day of June 2021.

The objective of this MOU is to facilitate coordination, collaboration and cooperation amongst the Parties for the purposes outlined in this Memorandum of Understanding (MoU).

1. PMF will assist the KRMU, who is desirous of starting the BSc Agriculture Program, in developing curriculum & special modules on Sustainable Agricultural Practices including Organic Farming, Value Addition through food processing & allied activities for the development of rural communities. A series of lectures and field exposure visits will be organised to enhance the curriculum & bring the practical study to the students of BSc Agriculture Program.
2. PMF & KRMU will organise 'EAT RIGHT CAMPAIGN' with the Hotel Management and the Catering Department of KRMU to promote healthy food habits with an aim to encourage the youth and the local communities in the adjoining areas to consume organically and locally grown vegetables, grains, fruits and dairy products. Both the parties will jointly operate food outlets with affordable and hygienically prepared balanced "Meal Combos". Space &

Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

outlets with affordable and hygienically prepared balanced "Meal Combos". Space & basic infrastructure will be provided by the university at appropriate locations on its campus.

3. PMF will extend support in developing the concept of "Smart Ashram" at KRMU Campus and provide advice for the construction of the Ashram with disaster resilient, environmentally friendly, green and cost-effective building structures using local materials, manpower & resources. The Ashram will be a mosaic of tradition and modernity which represents a quiet space for contemplative, reflective and creative intellectual activities. The Ashram will have an inherent connection with the Gandhian way of thinking and living that connects people with nature. This will also include sessions with the leading architects and intellectuals and brain storming and idea exchange sessions with the students.
4. PMF has been promoting alternative medicine in the villages through its three AYUSH Wellness centres established in Gurugram and Mewat Districts in Haryana. PMF will assist KRMU to survey the villages and create a repository of the local varieties of Medicinal Plants and alternative medicine practices based on age-old wisdom.
5. KRMU will set up an Innovation Lab at the university campus in collaboration with the PMF, which will be used as a Pharmacy & Herbal Innovation Laboratory. One of its kind NABL, a certified Laboratory in this region of Gurugram, will act as a knowledge and innovation centre where inquisitive pharmacy students can come and give shape to their ideas. It will also serve as a testing centre for small SP2C entrepreneurs for rigorous FSSAI certification tests. PMF will bring in consultancy and technical expertise to help setup the lab and maintain the equipment and help draft Testing SOPs.
6. PMF shall take in interns from the University from Agriculture, Law, Psychology, Pharmacy, Hotel Management, Economics and Marketing disciplines under its Internship Program regularly. PMF under its SmartTgram Project will assist KR Mangalam University to adopt a smart village in Haryana, to create a Healthy, Hi-tech, Humane and Happy Environment in these communities.
7. Both the parties together may undertake any other activity that may lead to the furtherance of the objectives mentioned above in the para no. 1 to 6.



Registrar

K.R. Mangalam University

Page 3 of 6 Sohna Road, Gurugram, (Haryana)



I. Representatives:

Each Party shall nominate the representative/s who shall function as representatives of the Parties for the purpose of executing this MoU. Such nomination shall be with the written consent of the appropriate authorities of both the parties.

II. Confidentiality:

The parties agree to maintain confidentiality in respect of all proprietary details/ information that is not available in public domain, pertaining to any client/ commercial details that the Parties happen to come in possession of while furthering the objects of both the organisation as well as that shared by the Parties amongst themselves. The confidentiality obligation herein shall survive the termination/expiry of this MoU.

III. Meetings and Reporting:

The Meetings and all other matters pertaining to this collaboration shall be conducted as per the requirement from time to time.

IV. Intellectual property:

The title to intellectual property rights in material created or required to be developed or created for the purpose of this MoU, including for the implementation of the Project, will be jointly owned by both the parties.

V. Duration and termination:

This MoU shall become effective upon signature by the authorized officials of both the parties on 15TH day of June 2021, and will remain in effect for a period of 02 (Two) years from thereon.

VI. Whole Agreement:

This MoU constitutes the whole agreement among the Parties to the subject matter hereof and no previous agreement, representations or warranties among the Parties regarding the subject matter hereof other than that set out herein are binding on the Parties.



Registrar

K.R. Mangalam University

Page 4 of 6 Sohna Road, Gurugram, (Haryana)



VII. Notices:

Any notice (including written intimation) required to be given under this MoU shall be deemed to have been duly given upon receipt when in writing and delivered in person, by facsimile transmission, by email, or by courier at the address stated above. In case of a holiday, the notice shall be deemed to have been given on the immediately following day.

VIII. Governing Law and Dispute Resolution:

This MoU shall be interpreted, construed and enforced in accordance with the laws of India. The courts of the State of New Delhi shall have jurisdiction over any action arising out of this MoU and over the parties, and the venue shall be New Delhi only.

In the event of any dispute among the Parties arising under this MoU (including with regard to the existence, validity or enforceability of this MoU or any provisions hereof), the representatives of the Parties shall use their best efforts to resolve such dispute amicably through discussions among senior representatives of the Parties.

IX. Amendments:

Either party may request changes to this MoU. Any changes, modifications, revisions or amendments to this MoU which are mutually agreed upon by and between the parties to this MoU shall be incorporated by a written instrument and shall become effective when executed and signed by all parties to this MoU.

X. Entirety of Agreement

This MoU, consisting of 06 (Six) pages, represents the entire and integrated agreement between the parties and supersedes all prior negotiations, representations and agreements, whether written or oral.

XI. Severability.

Should any portion of this MoU be judicially determined to be illegal or unenforceable, the remainder of the MoU shall continue in full force and effect, and either party may renegotiate the terms affected by the severance.

Mahar

XII. Counterparts:

This MoU may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same MoU.

XIII. Period of Validity.

This agreement shall be initially valid for 02 (Two) years from the date of signing the agreement and can be renewed subsequently by mutual consent of both the parties.

XIV. Signatures.

In witness whereof, the parties to this MoU through their duly authorized representatives have executed this MoU on the days and dates set out below, and certify that they have read, understood, and agreed to the terms and conditions of this MoU as set forth herein.

The effective date of this MoU is the date of the signature last affixed to this page.

For and on behalf of

PRANAB MUKHERJEE FOUNDATION



Mrs. Omita Paul

Managing Director

KR MANGALAM UNIVERSITY



Gp Capt P Mahajan

Registrar



Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

SCHOOL OF AGRICULTURAL SCIENCES
ACADEMIC SESSION 2022-23

KRMU/SOAS/Notice/2022-23/____

02/09/2022

NOTICE

An Interactive session on Weed Management under Organic crop Production System

1. School of Agricultural Sciences is organizing an interactive session on weed management under organic crop production system (Activity under ~~Pranab Mukherjee~~ MoU with Pranab Mukherjee Foundation) for Students at SOAS (School of Agricultural Sciences), KRMU University, Gurugram, scheduled for September 6, 2022.

The objectives of the program are:

- To open career and further education options in the field of organic crop production and provide valuable insights into effective weed management techniques for organic farming to the students.
- To acquaint the students with various mushroom cultivation and popping tools for establishing production unit.


DEAN
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna Road, Gurugram
Dean, SOAS


Registrar
K.R. Mangalam University
Sohna Road, Gurugram, Haryana



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

Report on

An interactive session on weed management under organic crop production system (Activity Under MoU with Pranab Mukherjee Foundation)

Target Group: Students and Faculty of KRMU especially SOAS

Resource Person: Pranab Mukherjee Foundation

Coordinator: Mr. S. P. Singh (Assistant Professor, SOAS).

Date and Time: Monday, 06 -09-2022

Venue: Dhoola farm (Pranab Mukherjee Foundation)

Introduction

The Students of School of Agricultural Sciences, KR Mangalam University visited Dhoola farm of Pranab Mukherjee Foundation and acquired knowledge about developed new agriculture units by Pranab Mukherjee Foundation like weed management under organic crop production system, mushroom cultivation, horticulture.

Objectives

- To open career and further education options in the field of organic crop production.
- To acquaint students with various mushroom cultivation and popping tools for establishing mushroom production unit.

Content

Mr. S. P. Singh (Assistant Professor, SOAS) firstly gave lecture on weed management under organic crop production system (Photo-1) he said that Such materials as straw, bark, and composted material can provide effective weed control. Producing the material on the farm is recommended since the cost of purchased mulches can be prohibitive, depending on the amount needed to suppress weed emergence. An effective but labor-intensive system uses newspaper

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

DEAN
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103

V. Pandey
(On behalf of
Dr. S. S. Sharma)

and straw. Two layers of newspaper are placed on the ground, followed by a layer of hay. it is important to make sure the hay does not contain any weeds seeds. Organic mulches have the advantage of being biodegradable. Cut rye grass mulch spread between planted rows of tomatoes and peppers was more economic than cultivation.

Fresh bark of conifers and oak as well as rapeseed straw gave good control of weeds when they were laid as mulches under the trees in apples orchards. Materials such as black polyethylene have been used for weed control in a range of crops in organic production systems. Plastic mulches have been developed that filter out photosynthetically active radiation, but let through infrared light to warm the soil. These infrared transmitting mulches have been shown to be effective at controlling weeds.

Attendees

All SOAS students from batch 2019-2023, 2020-2024, and 2021-2025 joined the activity.

Activity Outcome

Students got an introduction to the weed management under organic crop production system and its role in Agriculture.

Conclusion

This was a highly informative session for the students of SOAS on weed management under organic crop production system and interested students can start their career in organic crop production.



Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

DEAN
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103



V. Pandey

Further Scope

This initiative opened the possibilities of future the students of SOAS on weed management under organic crop production system and interested students can start their career in organic crop production.

Glimpses

Some of the glimpses of the events are as follows:



Photo 1: Mr. S. P. Singh addressing the students about weed management under organic crop production system.


Registrar
K.R. Mangalam University
Sohna road, Gurugram, (Haryana)


DEAN
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna road, Gurugram, (Haryana)


V. Pandey



Photo 2: Mr. S. P. Singh addressing the students about weed management under organic crop production system for vegetables crops.



[Signature]
Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

DEAN
School of Agriculture Sciences (SUAG)
K.R. Mangalam
[Signature]
V. Pandey

Photo 3: Mr. S. P. Singh addressing the students about organic vegetable cultivation.

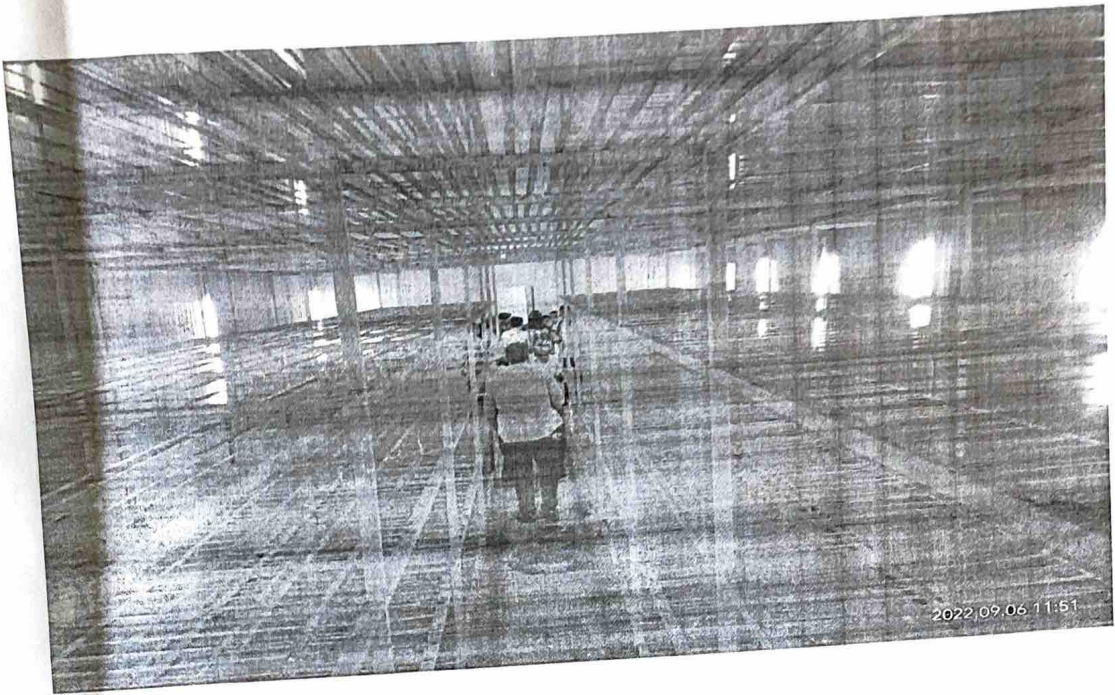




Photo 4: Mr. S. P. Singh addressing the students about mushroom unit.


Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)


Dean
School of Agriculture Sciences (SOAS)
K.R. Mangalam
Sohna Road, Gurugram


Name of activity: Field activity on Organic farming

Date: 06.09.2022

Venue: Dhoola, Sohna

Organized by: (School/Department)-

Sr. No	Roll No.	Student Name	Programme & Semester	Signature of Student
1.	2013820010	Karuna	B.Sc. (H) (Agri) 5-sem	Karuna
2.	2013820001	Sheetal	"	Sheetal
3.	2013820005	Poonam	"	Poonam
4.	2013820006	Ashish	"	Ashish
5.	2013820009	Amir	"	Amir
6.	2013820012	Parul	"	Parul
7.	2113820008	Sonal	RSC (H) Agri sem 3	Sonal
8.	2113820007	Khusht	BSC (H) Agri sem 3	Khusht
9.	2113820	Nitish	BSC (H) Agri	Nitish
10.	2113820016	Gaurav	BSC (H) Agri	Gaurav
11.	2012820007	Tariff	BSC (H) Agri	Tariff
12.	2113820014	Yash	"	Yash
13.	2113820011	Parul	"	Parul
14.	2113820017	Sakshi	"	Sakshi
15.	2113820015	Pranika	"	Pranika
16.	2113820000	Trish	"	Trish
17.	2113820021	Waseem	"	Waseem
18.	2113820022	Rihan Khan	"	Rihan Khan
19.	2113820003	Radia	"	Radia
20.	2113820001	Pakuj	"	Pakuj
21.	2113820001	Yash	"	Yash
22.	1913820005	Mohd Tufail	"	Mohd Tufail

Signature of Incharge/Dean (with date)
 06.09.2022
 DEAN
 School of Agriculture Sciences (SOAS)
 K.R. Mangalam University
 Sohna Road, Gurugram, Haryana

Registrar
 K.R. Mangalam University
 Sohna Road, Gurugram, (Haryana)



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

SCHOOL OF AGRICULTURAL SCIENCES
ACADEMIC SESSION 2022-23

Date: 03/10/2022

KRMU/SOAS/Notice/2022-23/____

NOTICE

Field project on the Art of Vermicomposting MOU with Pranab Mukherjee Foundation.

School of Agricultural Sciences is organizing a Field project on the Art of Vermicomposting MOU with Pranab Mukherjee Foundation, scheduled for October 11, 2022.

The objectives of the program are:

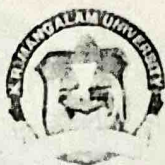
- Hand on training for the package and practices used for the preparation of Vermicompost.
- To provide the information to the students about precautions and constructions during the establishment of vermi-compost unit.

DEAN
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Deen SOAS
Hazratganj, Gurugram
Haryana 122103

Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

2-11-2022



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

School of Agricultural Sciences

Ref. No: KRMU/ SOAS /023-23/1008

Date: 02.11.2022

Sub: Permission for conduction of activity under MoU with The Green Planters and Kinder Polyfarms, New Delhi

Sir,
SOAS, KRMU has MoU with The Green Planters and Kinder Polyfarms, New Delhi. So, we have to conduct activities under these MoU and take students to New Delhi on 03-11-2022. Kindly allow us for the same please. Dr. S. P. Singh and Dr. Vikas Sharma will be accompanying the students. Kindly provide us with the transport facility for the day to take the students from KRMU to New Delhi and back on 03-11-2022. So I request you to please give permission to SOAS for smooth conduction of the activities.

Thanks,
Dean,
School of Agriculture Sciences
K.R. Mangalam University
K.R. Mangalam Road, Gurugram
Haryana-122102
Date: 02/11/2022

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

Pro Vice-Chancellor

Registrar.

Vice-Chancellor

csahubey

Malaja
2/11/22

3-11-22



K.R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

Sohna Road, Gurugram

"Title of Field Project"

Field project on workshop on composting under MOU with Kinder Polyfarm

(Field Project Report)

School of Agricultural Sciences

Programme Code

Project Guide: Mr. S.P Singh and Dr. Vikas Sharma

Academic Year – 2022-23

Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

Stamp: NV20122103
School of Agricultural Sciences (SOAS)
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

Note: Conclusion section must include the benefits to society through this project quantitatively. Inclusion of Geo tagged photographs is mandatory requirement

Introduction:

Mr. Mukund Singh (Agri expert) from Kinder polyfarm gave lecture on composting, I have used rice straw 30 kg and 15 kg of cow dung and water total of around 10 liters. Whereas in the previous method of composting rice straw that various people has been used is time consuming, laborious, and required a large quantity of water. In one of the similar work of composting of rice straw was done by International Crops research Institute for the Semi-Arid Tropics (ICRISAT), they have processed 1 ton of rice straw and uses 3000 liter of water along with they have used additional microbes and urea also rock phosphate.

Objectives:

1. To aquent the students with the process of composting.
2. To how to use composting during cultivation of organic vegetables.
3. To know about advantages of composting in current agriculture system.

Description of Activities

The method that I used is to use rice straw, cow dung, and water in layering it in such a way so that the process of composting can be accelerated. In which the bottom layer was made from rice straw, and that layer is 10cm in height, 10cm of width, and 10 cm of height. Similarly, the next layer of cow dung is placed over it after watered it for maintaining appropriate moisture. Once again, rice straw was spread over the cow dung layer, maintaining the 10cm of height after sprinkling the water on the cow dung layer. After finishing each layer, water was sprinkled for adequate moisture. Repetition of the layer formation was continued up to 2 ft.



Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)



Dean
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103 / Singh

of height, 2 ft. of length, and 2 ft. of width and finally cover it completely with rice straw.

Observations / Survey

The pile is first turned over after 15 days then maintained with proper moisture. After that, again, the pile was labeled. This practice was continued after 15 days over the pile was regularly flick through and watered for 90 days after turned up the pile for the first time the turning of the pile followed by every seven days and also maintain the proper moisture that is water does not flow from the pile and it does not look dry by appearance like 50% of moisture is maintain by sprinkling the water.

Background information / Previous Work

Composting is the managed decomposition of plant-based organic matter such as leaves, grass clippings, food, and manure (from plant-eating animals such as horses or cows) into rich soil that can be used as fertilizer. This organic matter is unstable in that decomposition occurs in a matter of hours, days, or weeks.

Factual data and timeline

20 students participated in the workshop along with two faculty members. Mr. Mukund Sing delivered a lecture on compost formation, its uses and composition of the compost.

Date : 03/11/2022

Place: Palla, Bakhtawarpur, Alipur, Delhi-110036

Demographic Information

Palla, Bakhtawarpur, Alipur, Delhi-110036

DEAN
School of Agricultural Sciences (SOAS)
K.R. Mangalam University
Sonapatna
Haryana 122103

Singh

Interpretation and Analysis

Students learnt about the formation of compost from rice straw.

Conclusion :

Mr. Mukund Singh (Agri. expert) delivered a lecture on the formation of compost from rice straw. The students of SOAS actively participated in the process of compost formation and ultimately the whole rice straw was packed one place and impregnated with water and organic decomposer and kept undisturbed for 2 months for complete decomposition and compost formation.

Recommendation:

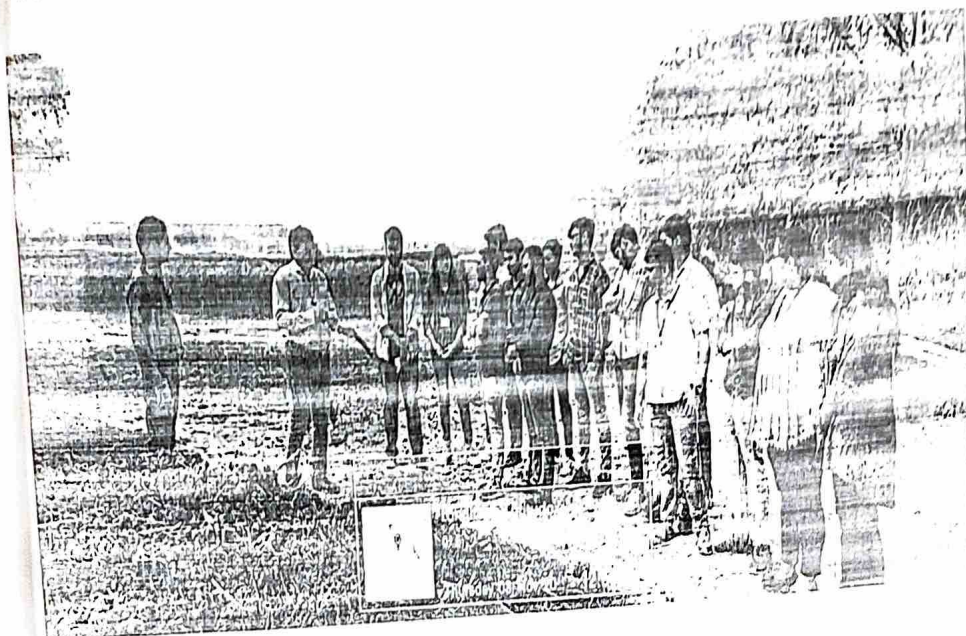
Rice straw, bio-decomposer, water and dung are required for compost formation.

References

DEAN
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna Road, Gurugram
Haryana 122108

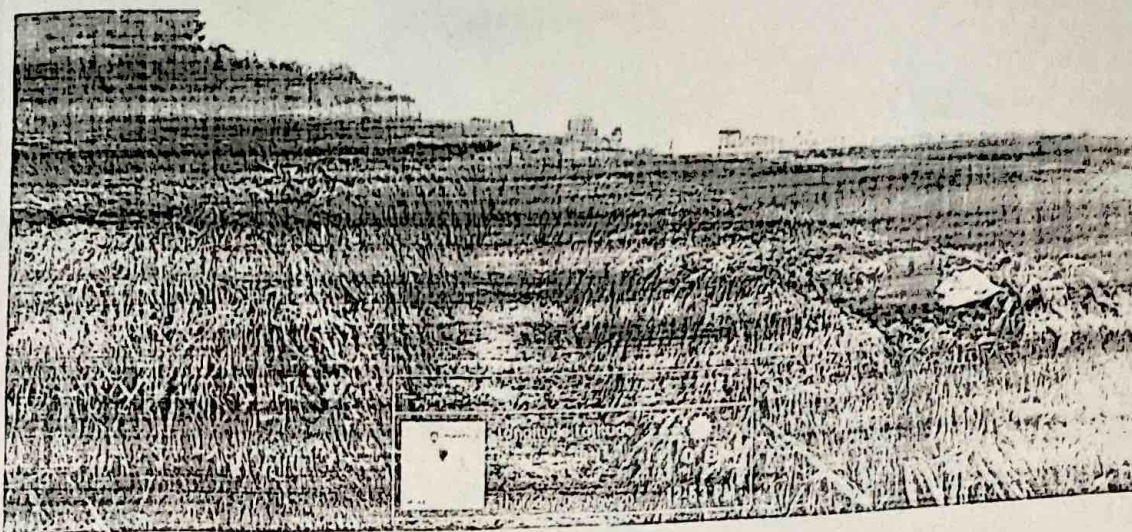
[Signature]

Appendix includes Geo-Tagged Photographs



Dr. Anil
School of Agriculture, GGS Indraprastha University
A.R. Main, Saket, New Delhi
Sohna road, Gurgaon
Haryana-122103

[Handwritten signature]



Detailed Description of work

Rice straw, cow dung and bio-decomposer were in layers to accelerate the composting process. In which the bottom layer was made from rice straw, and that layer is 10cm in height, 10cm of width, and 10 cm of height. Similarly, the next layer of cow dung is placed over it after watered it for maintaining appropriate moisture. Once again, rice straw was spread over the cow dung layer, maintaining the 10cm of height after sprinkling the water on the cow dung layer. After finishing each layer, water was sprinkled for adequate moisture. Repetition of the layer formation was continued up to 2 ft. of height, 2ft. of length, and 2 ft. of width and finally cover it completely with rice straw.

The pile is first turned over after 15 days then maintained with proper moisture. After that, again, the pile was labeled. This practice was continued after 15 days over the pile was regularly flick through and watered for 90 days after turned up the pile for the first time the turning of the pile followed by every seven days and also maintain the proper moisture that is water does not flow from the pile and it does not look dry in appearance.

CEAM
School of Agriculture Sciences (SOAS)
K.R. Manikam University
Sohna Road, Gurugram
Haryana 122103

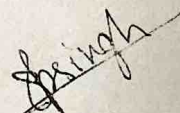
Spingh

CERTIFICATE

Sr. No.	Student's Name	Roll Number	Place of Work	Duration of Field Project
1.	Rihan Khan	2113820022	Palla, Bakhtawarpur, Alipur, Delhi-110036	25 Days
2.	Tufail	1913820005		
3.	Khushi Kalra	2113820007		
4.	Sonal	2113820008		
5.	Sakshi	2113820017		
6.	Anushka	2113820015		

This is to certify that enrolled in *School of Agricultural Sciences* (program code:82) has / have satisfactorily completed the project title "Field project on workshop on composting under MOU with Kinder Polyfarm " under the guidance of S.P. Singh, *Assistant Professor* of the subject "Agronomy" of *School of Agricultural Sciences*.

This project work represents their original work and the references given in the present report are authentic.



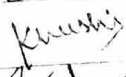
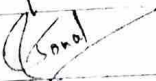

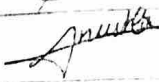

 DEAN
 School of Agricultural Sciences (SOAS)
 K.R. Mangalam University
 Sonna road, Gurugram
 Haryana 122103

DECLARATION

We undersigned hereby declare that this field project report represents work carried out by us. We also declare that we have adhered to all the principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/ data / fact /source in our submission. We understand that any violation of the above will lead to disciplinary action by the Institute. The findings in this report are based on the sampling survey /data collection / recording during the field survey held on 03/11/2022 at Bakhtawarpur, Alipur, Delhi under the guidance of S.P. Singh, Assistant Professor, School of Agricultural Sciences.

Name of the students

Karuna, Pinki, Ashish, Aamir, Sheetal, Dishant, Gaurav, Yogesh, Jyoti, Gaurav, Harish, Raunak, Pradyuman Roy, Mohit, Sagar, Nitish, Ansar, Mukeem, Shreyank.

Name of the students	Roll numbers of students	Signature of the students
Rihan Khan	2113820022	
Tufail	1913820005	
Khushi Kalra	2113820007	
Sonal	2113820008	
Sakshi	2113820017	
Anushka	2113820015	


Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

DEAN
School of Agricultural Sciences (SOAS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103



Name of activity: Activity under moou with kinder polyfarme & The Green Planters

Date: 03/11/2022

Venue: Village - Palla, Barhtowarpur, Alipur (Delhi) - 110026

Organized by: SOAL

S. No.	Roll No.	Student Name	Programme & Semester	Signature of Student
1.	2013820010	Kaunika	III rd year V Sem	Kaunika
2.	2013820008	Pinki	3 rd year 5 th Sem	Pinki
3.	2013820006	Ashish	"	Ashish
4.	2013820009	Aamir	"	Aamir
5.	2013820001	Sheetal	II nd year & 3 rd Sem	Sheetal
6.	2013820010	Dishant	II nd year 3 rd Sem	Dishant
7.	2013820016	Gaurav	"	Gaurav
8.	2013820014	Vogesh	"	Vogesh
9.	2013820006	Jyoti	III rd year Sem VI	Jyoti
10.	2013820009	Rohak	"	Rohak
11.	2013820009	Gourav	V th Sem	Gourav
12.	2013820004	Harish Yadav	I st year	Harish
13.	2013820004	Pradyumna Roy	I st year	Pradyumna
14.	2013820009	Mohit Kumar	I st year	Mohit
15.	2013820006	Sagari	"	Sagari
16.	20138200	Harish	"	Harish
17.	2013820003	Nitish	"	Nitish
18.	2013820007	Ansar	"	Ansar
19.		Mustheem	I st year	Mustheem
20.	2013820011	SHREYANK	I st year	SHREYANK

Signature of Incharge
 03/11/22
 DEAN
 School of Agriculture Sciences (SOAS)
 K.R. Mangalam University
 Sohna road, Gurugram
 Haryana 122103

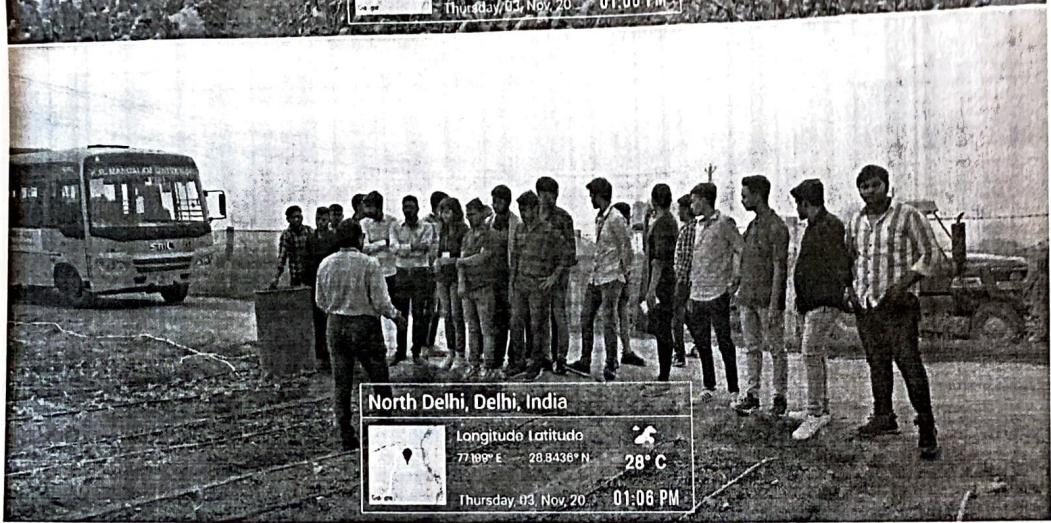
Registrar
 K.R. Mangalam University
 Sohna Road, Gurugram, (Haryana)



Jmf

Registrar
K.R. Mangalam University
Sohna Road, Gurugram

DEAN
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna Road, Gurugram
Haryana 122100



Jmf

Registrar

K.R. Mangalam University
 Sohna Road, Gurgaon, (Haryana)

DEAN
 School of Agriculture Sciences (SOAS)
 K.R. Mangalam University
 Sohna Road, Gurgaon
 Haryana 122765



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

SCHOOL OF AGRICULTURAL SCIENCES
ACADEMIC SESSION 2022-23

KRMU/SOAS/Notice/2022-23/____

07/10/2022

NOTICE

An Activity on Lemon Grass Oil Extraction and techniques under MoU with Pranab Mukherjee Foundation

School of Agricultural Sciences is organizing an activity on Lemon Grass Oil Extraction and techniques under MoU with Pranab Mukherjee Foundation for Students at SOAS (School of Agricultural Sciences), KRMU University, Gurugram, scheduled for October 11, 2022.

The objectives of the program are:

- To enhance students' and faculty's practical knowledge about essential oil extraction.
- To emphasize the relevance of hands-on learning.
- To provide exposure to sustainable farming practice to students.

DEAN
School of Agricultural Sciences (SOAS)
K.R. Mangalam University
Sohna Road, Gurugram, Haryana
Dean, SOAS


Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)



K.R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

Report on

An activity on Lemon grass oil extraction and techniques (Activity Under Functional MoU with Pranab Mukherjee Foundation)

Date: Tuesday, 11th October 2022.

Venue: Pranab Mukherjee Foundation, Alipur

Event Type: Educational visit under Functional MoU

Mode of Activity: Offline

Target Group: Students of SOAS

Coordinators: Dr. Varsha Pandey, Mr. S. P. Singh and Dr. Debabrata Nath

Organized by: School of Agricultural Sciences

Number of Participants: 35

Pranab Mukherjee Foundation, Centre for Research and Consultancy undertakes academic research related to areas of national and international importance. The foundation has collaborated with several reputed institutions of higher learning to achieve the stated goal. The demonstration farm at Pranab Mukherjee foundation encourages best agricultural practices which includes production of organic crops. *Cymbopogon* also known as lemon grass, is commonly cultivated as culinary and medicinal herbs because of its scent resembling that of lemons. The visit was organized with the objective of acquainting students with the cultivation of medicinal plants (lemon grass and aloe vera) and its products and to further enhance the knowledge of students through practical demonstration. First, students visited the demonstration farms and were made aware about the cultivation practices of lemon grass and aloe vera (**Photo 1**). Experts guided the students on what are the benefits of the plants and how various useful products can be made from it. They also came to know about how the various cosmetic products like soaps, oils, aloe vera juice and shampoos are made from the lemon grass and aloe vera under laboratory conditions (**Photo 2**). Students also got to see the machines used for oil extraction from lemon grass (**Photo 3 and Photo 4**). The trip proved beneficial to the students as they got to know the uses of lemon grass and the various techniques used for its oil extraction. The knowledge about organic cultivation of lemon grass can further help students in understanding the research currently going on in this field and how they as an agriculture students can help in enhancing the

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

DEAN
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103

V. Pandey
11-10-22

S. P. Singh
11-10-22 1

crop productivity.

Pics (geotagged)


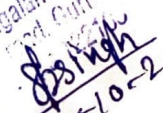


Photo 1: Students understanding about the cultivation practices of lemon grass.



Photo 2: Students understanding the process of preparation of soaps from medicinal plants.


Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)


11-10-22 DEAN
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

11-10-22 2

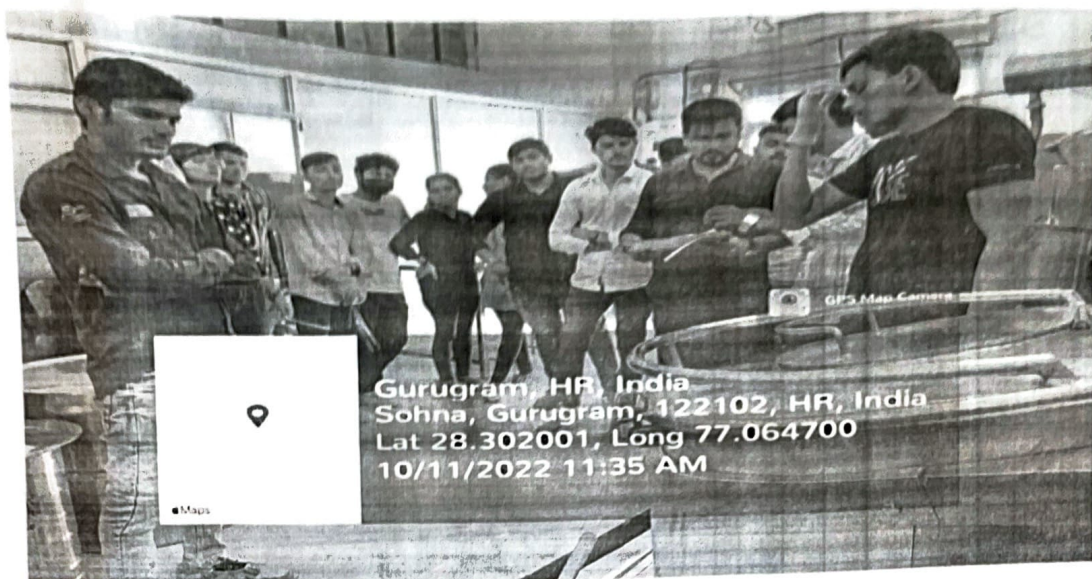


Photo 3: Students understanding about oil extraction from lemon grass.

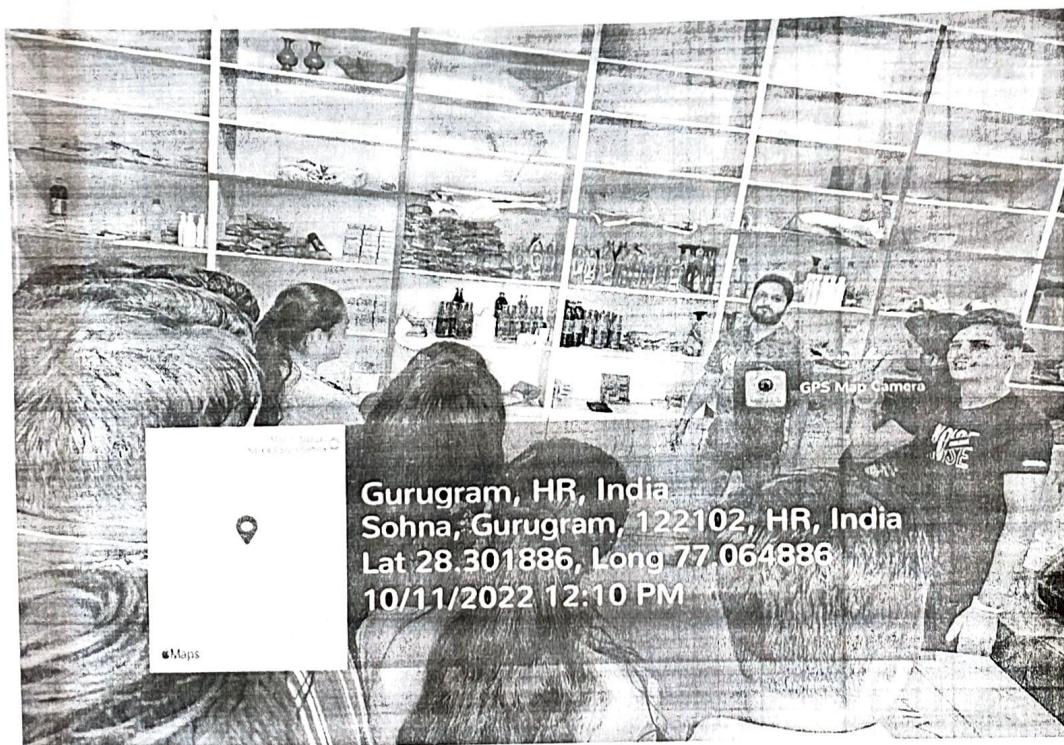


Photo 4: Students querying about the oil extraction and then finished products made from medicinal plants.

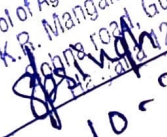
Jmd
 Registrar
 K.R. Mangalam University
 Sohna Road, Gurugram, (Haryana)

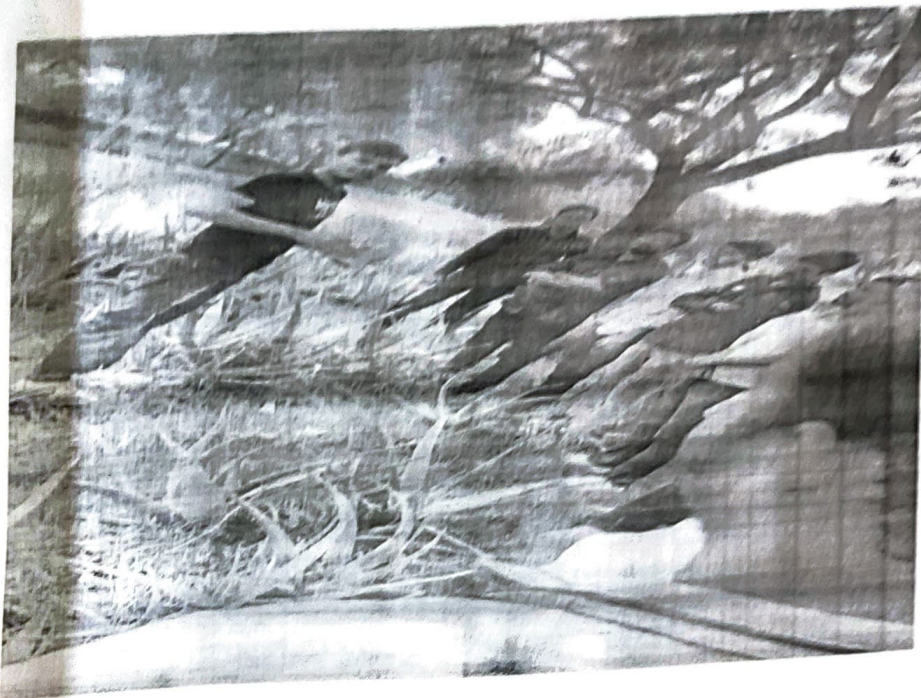
V. Pandey
 11-10-22
 DEAN
 School of Agriculture Sciences (SOAS)
 K.R. Mangalam University
 Sohna Road, Gurugram
 Haryana 122103
S. Singh
 11-10-22

Non geotagged photos




Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)


Dean
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna Road, Gurugram
Haryana 122103
11-10-22



Report prepared by	<u>Maudey</u> 11-10-22 Dr. Varsha Pandey
Report verified by Event Coordinator	<u>S.P. Singh</u> 11-10-22 Dr. S. P. Singh
Report Seen by Dean / Club Coordinator / Activity Coordinator/ IQAC Director / Registrar	<u>Dr. S.S. Sharma</u> 11-10-22 Dean SOAS K.R. Mangalam University Sohna Road, Gurugram, (Haryana)

Jmf
Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

Name of activity: An Activity on lemon grass oil extraction and techniques.

Date: 11.10.22

Venue: Pranab Mukherjee Foundation, Alipur

Organized by: (School/Department)- SOAS

Sr. No	Roll No.	Student Name	Programme & Semester	Signature of Student
01	2013820005	Poonam	B.Sc(H) Agri (5-sem)	Poonam
02	2013820001	Sheetal	"	Sheetal
03	2013820009	Aamir	" (3-sem)	Aamir
04	2113820006	Jyoti	" (3-sem)	Jyoti
05	2113820008	Samal	B.Sc(H) Agr.	Pinku
06	2013820008	Pinku	"	Pinku
07	2013820012	Parul	B.Sc 4	Parul
08	2213820006	Sapna	"	Sapna
09	2213820010	Majhihideen	"	Pradyumna Roy
10	2213820004	Pradyumna Roy	BSC(H) Agr	Pradyumna Roy
11	2113820011	Pankaj	"	Pankaj
12	2113820015	Anurag	"	Anurag
13	2113820009	Goutam	"	Goutam
14	2113820022	Rishu	"	Rishu
15	2113820003	Kadit	"	Kadit
16	2113820020	Mayank	"	Mayank
17		Shreyank	"	Shreyank
18	2213820009	Mohit kumar	"	Mohit kumar
19		Harsh Chaudhary	IST	Harsh Chaudhary
20	2213820003	Nites Kumar	IST	Nites Kumar
21	2213820005	Sakshi	IST	Sakshi
22	2113820009	Ronak	13 rd Sem	Ronak
23	2213820007	Anwar Khan	IST	Anwar Khan

Signature of Incharge/Dean (with date)

V. Pandey

11.10.22

School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna Road, Gurugram
Haryana 122103

8. Singh
11-10-22

J. Singh

Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

K.R. Mangalam University, Gurugram
School of Agricultural Sciences

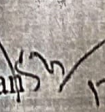
NOTICE

Dated – 10 October 2022

School of Agricultural Sciences is organizing an educational visit to **Pranab Mukherjee Foundation and Biocredence, Alipur** on **11 October 2022**.

Purpose of the visit – To acquaint the students with the art of vermicomposting, lemon grass oil extraction techniques and post-harvest handling of mushroom.

All the students of SOAS should assemble in front of A – Block at **10:00 am** sharp on **11 October 2022**.

Dean  12/10/22
SOAS



Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

DEAN
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103



Report on

An activity on Post-harvest handling of Mushrooms

Date: Monday, 11th October 2022.

Venue: Biocredence, Alipur

Event Type: Under MoU

Mode of Activity: Offline

Target Group: Students

Coordinators: Dr. Varsha Pandey

Organized by: School of Agricultural Sciences

Number of Participants: 5

A mushroom or toadstool is the fleshy, spore-bearing fruiting body of a fungus, typically produced above ground, on soil, or on its food source. The most important detail in the post-production aspect of mushroom production is to maintain a high quality and safe product for sale. Mushrooms, in particular, are unique in that they are mostly water, and are not best cleaned by washing, since it ruins their texture and shelf life of the product. To enhance the knowledge of students regarding post-harvest handling of mushrooms, an activity was conducted at Biocredence. Students got to know that there are various methods for post-harvest handling of mushrooms. Freshly harvested mushrooms are packed in 25-gauge polythene bags without making any holes. Immediately after packing they are stored at 5°C in a refrigerator. This process extends the storage life for 3-5 days. This process helps in reducing the respiratory rate and minimizing the water loss. In addition, it reduces browning of mushroom and off flavour development. Also, the mushrooms are sliced and immersed in 0.05 per cent sodium meta bisulphite and 2 per cent common salt solution for 30 minutes. They then blanched in boiling water for 2 minutes, followed by cooling. This then frozen for one minute at -12°C and store at -20°C. This process extends the storage life for 3-4 months. Also, canning is adopted on a very large scale, especially for preservation of button mushrooms. For canning purpose, the mushrooms should be harvested at an early stage. The mushrooms of uniform size are selected and stalks are cut before processing. The activity proved beneficial for students in enhancing their of this field.

Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)


School of Agricultural Sciences (SOAS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103

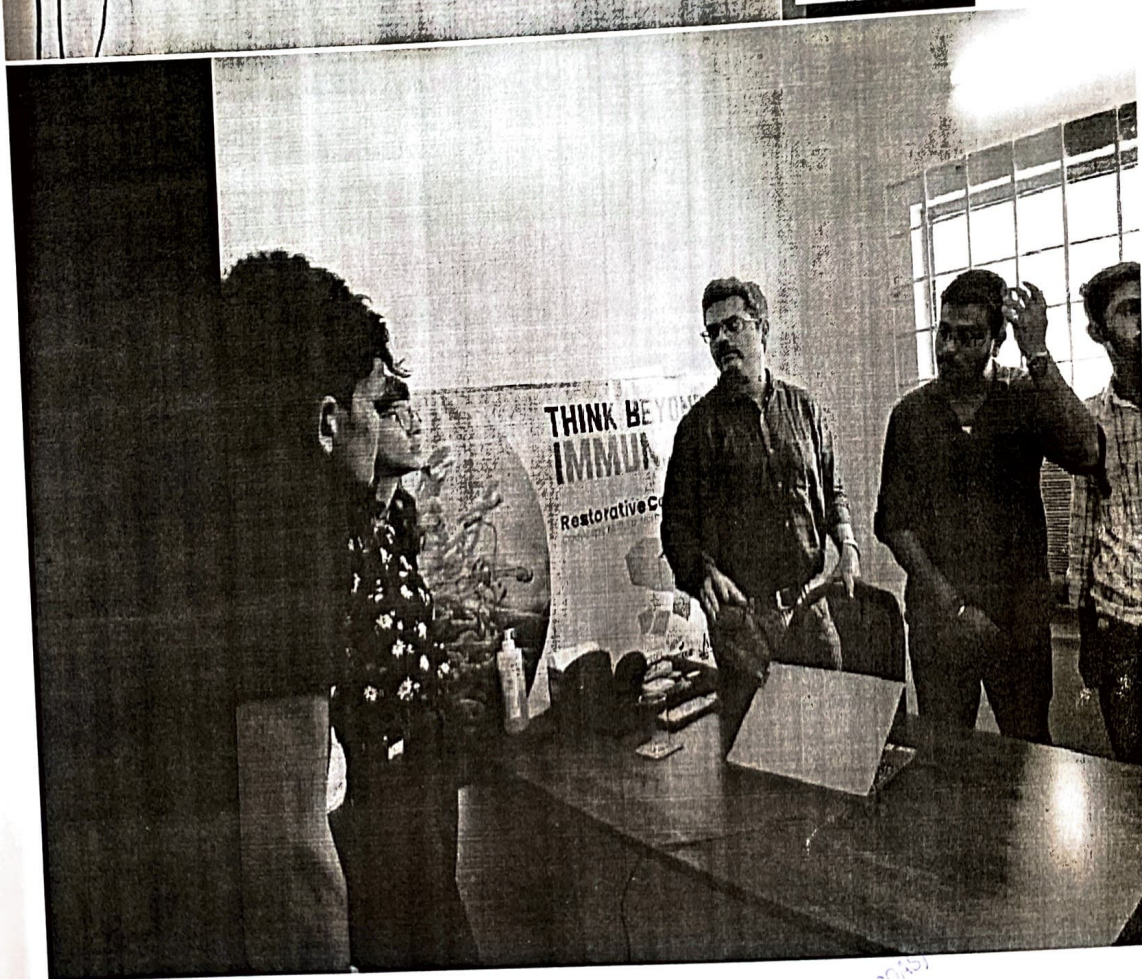
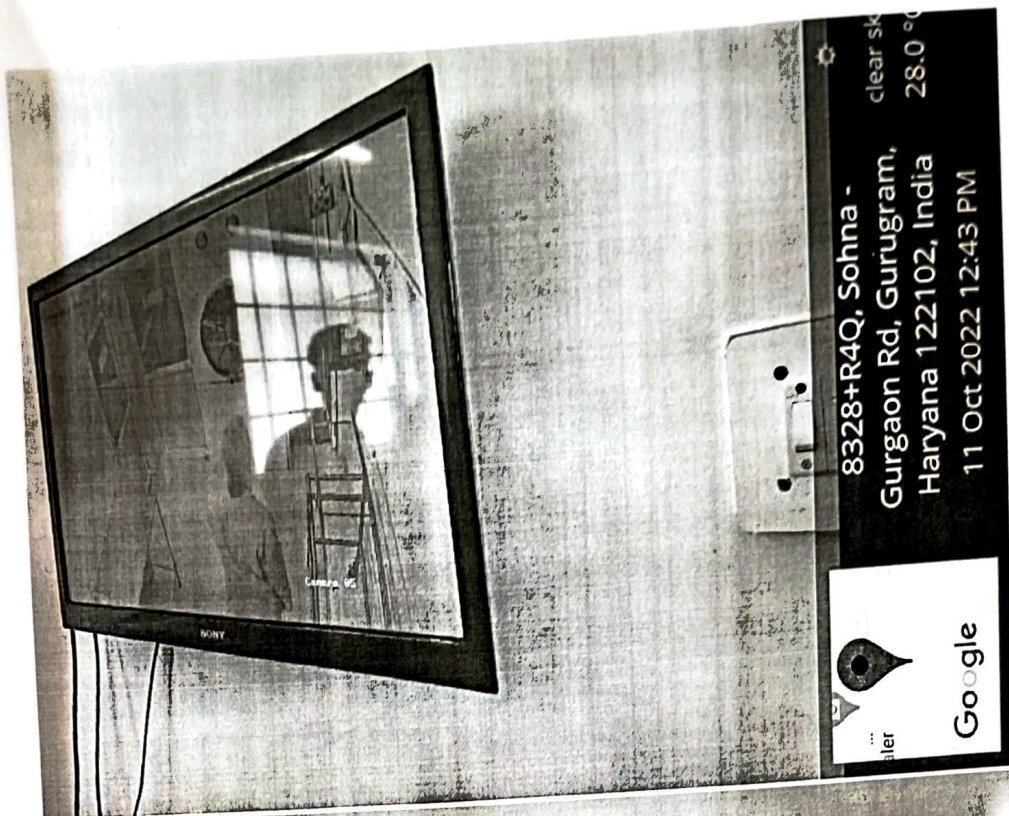
The event was coordinated by Dr. Varsha Pandey, Assistant Professor, School of Agricultural Sciences, K.R.M.U.

Pics (geotagged)




Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)


Dean
School of Agricultural Sciences (SOAS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103





Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

DEAN
School of Health Sciences (SOHS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103 /







Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)
School of Management Studies (SOS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103




Registrar
K.R. Mangalam University
Sohna Road, Gurugram
DEAN
School of Agriculture Sciences (SOAS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103

Non-Geotagged photos



Report prepared by	 Dr. Varsha Pandey Assistant Professor SOAS
Report verified by Event Coordinator	 Dr. Varsha Pandey Assistant Professor SOAS
Report Seen by Dean / Club Coordinator / Activity Coordinator/ IQAC Director / Registrar	 Dr. Varsha Pandey Assistant Professor SOAS

School of Agricultural Sciences (SOAS)
K.R. Mangalam University
Sohna Road, Gurugram
Haryana 122103


Registrar
K.R. Mangalam University
Sohna Road, Gurugram, Haryana

Time of activity:

ate:

venue:

Organized by:

No.

1-

2

3.

5

Signature of Incharge/Dean

(Dr. Varsha Pandey)
Assistant Professor
SOAS


Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)