



# ARYA

# College of Pharmacy

(Affiliated to RUHS, Jaipur • Approved by PCI, AICTE, New Delhi)

- S.P.- 40, Kukas Industrial Area (RIICO) Jaipur - 302028
- Ph.: 0141-5148801, 5148802, 5148803

- Website : [www.aryapharmacyjpr.com](http://www.aryapharmacyjpr.com)
- Fax : 01426-510040

## **DETAILS OF THE LABORATORIES, ANIMAL HOUSE & HERBAL GARDEN**



## **LABORATORIES**

### **Pharmaceutical Analysis Lab**

This laboratory uses modern equipment for identification and qualification of chemical compounds using analytical methods. This is suitable for analysis, quality assessment and quality control studies of drugs on finished product

### **Central instrumentation lab**

This lab provides instrumentation facility for students and faculty for conducting analytical practical & research work. Interested researchers, faculty members, and students can avail the facility for their academic and research activities.

### **Computer lab**

This lab has high end configuration computers outfitted with advanced software and broadband internet connectivity. The laboratory is meant for learning and conducting practical as per the syllabus. The internet facility is available for students in computer lab where they can surf the internet to gather unlimited information and increase their knowledge.

### **Pharmacology Lab**

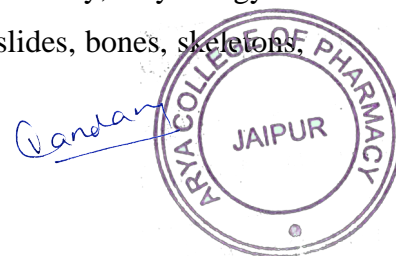
This lab with its attached aseptic room as per GLP guidelines is suitable for preparation and sterilization of culture media both for static and broth cultures. It is also used for staining and identification of bacteria and fungi. The lab is suitable for the evaluation of antiseptics and disinfectants, for the determination of phenol coefficient, microbial assay of vitamins, antibiotics, etc.

### **Pharmaceutical Chemistry Lab**

This lab deals testing and identification of various chemicals and drugs; synthesis and purification of chemical compounds; identification of medicinally active compound

### **Human Anatomy & Physiology Lab**

This lab provides the understanding of different systems of Human Anatomy, Physiology & Pathology with tools like computer software, models, charts, permanent slides, bones, skeletons, diagnostic kits etc





## **ANIMAL HOUSE**

Animal House Facility is registered with Committee for the purpose of Control and Supervision of Experiments on Animals (CPCSEA), Govt. of India, Ministry of Environment, Forest & Climate Change, Animal Welfare Division, New Delhi, vide Registration No.: 1013/PO/Re/S/06/CPCSEA

The Animal House is a conventional type of animal house with each species housed in individual rooms, in which the temperature, humidity, dark and light cycles are monitored and controlled.

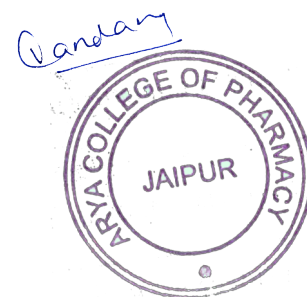
### **Animal care**

The laboratory houses rats, mice, and rabbits. Each species of animals is housed in barrier maintained individual rooms to avoid disease transmission and inter-species conflicts.

The animal care staff ensures that every aspects of animal care including feeding, watering restraining, cage cleaning, record keeping, and ordering of animals, feeds, bedding materials, and equipment from outside sources are monitored

### **Animal ethics**

The Animal House is registered with CPCSEA and has an established Institutional Animal Ethics Committee (IAEC) that advises the students, teachers/researcher on facilities. Policies and practices concerning the care and use of animals.





No: 25/352/2010-AWD  
Government of India  
Ministry of Fisheries, Animal Husbandry and Dairying  
Department of Animal Husbandry and Dairying  
O/o Committee for the purpose of Control and Supervision of Experiments on Animals  
(CPCSEA)  
\*\*\*\*\*

Delhi Milk Scheme Complex,  
Shadipur, Delhi - 110008  
Date: 23.03.2022

To,

Dr. Vandana Sharma, Chairperson IAEC  
Arya College of Pharmacy S-40, RIICO Industrial Area,  
Delhi Road, Kukas, Jaipur, Rajasthan  
Email: vanu4amit@gmail.com  
Mobile: 8686006739

Subject: Renewal of Registration and Reconstitution of Institutional Animals Ethics  
Committee (IAEC)-regarding

Madam,

The registration of Animal House Facility of your establishment with CPCSEA has  
been **renewed for a period of five years from the date of issue of this letter.**

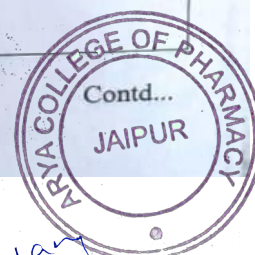
2. The registration number of Animal House Facility of your establishment is  
**1013/PO/Re/S/06/CPCSEA for Research for Education purpose on small animals.**  
Henceforth, this registration number may kindly be quoted in all your future correspondence.

3. The CPCSEA has accepted the following members recommended by the  
establishment.

Name of the IAEC Members	Designation in IAEC
1) DR. Vandana Sharma	Scientist from different biological discipline, Chairperson
2) MR. Ramesh Pareek	Scientist from different biological discipline, Member Secretary
3) DR. Ram Garg	Scientist In-charge of Animal House Facility
4) MR Shailendra Tripathi	Biological Scientist
5) DR V. K Goyal	Veterinarian

4. CPCSEA hereby nominates the following members to the Institutional Animals Ethics  
Committee (IAEC) of your establishment:

Details of Nominee(s)	Nominated as
1) Dr. Pramod Kumar Kaushik 312, Balaji Towers - 3, Jawahar circle, near eternal hospital, Jaipur - 302017, Rajasthan Contact No :9950522401 Email :Pk888184@gmail.com	Main Nominee
2) Dr. Chandra Shekhar Yadav C-44, Harimarg, Malviya Nagar, Jaipur - 302017, Rajasthan Contact No :9214302525 Email :yadavcs82@hotmail.com	Link Nominee



*Vandana*





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06

ANIMAL HOUSE

25 Nov 2022 12:09:23  
27°1'53.784"N 75°53'40.698"E

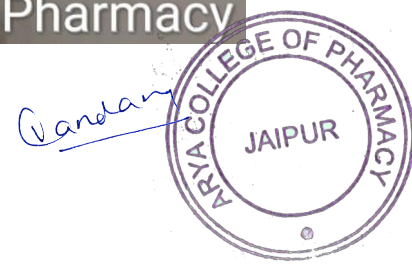
319° NW

Kukas

Rajasthan

Altitude:354.6m

Arya College of Pharmacy





## **MEDICINAL GARDEN, HERBAL GARDEN**

### **Objective**

To encourage and promote college to introduce the home herbal garden concept to students. To inculcate a sense of familiarity from childhood with surrounding biodiversity and its conservation, especially herbal plants o To educate student in identifying different types of herbs and that uses including growing them in a garden. To encourage students to use herbs in food the competition has three major components o Herbal Poster with recipe Use of herbs is increasing in cookery practices and forms an important dietary supplement.

### **List of Important Medicinal, Plants and their Uses:**

- **ALOE- VERA**

Aloe vera is a succulent plant species of the genus Aloe. It is widely distributed, and is considered an invasive species in many world regions.

Aloe is used topically (applied to the skin) and orally. Topical use of aloe is promoted for acne, lichen planus (a very itchy rash on the skin or in the mouth), oral submucous fibrosis, burning mouth syndrome, burns, and radiation-induced skin toxicity.

- **LEMON**

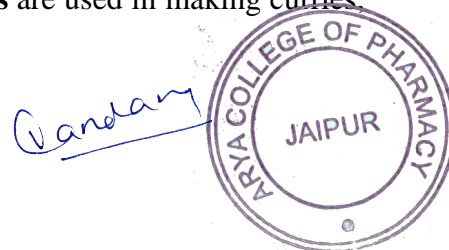
The **lemon** (Citrus limon) is a species of small evergreen trees in the flowering plant family Rosaceae, native to Asia, primarily Northeast India (Assam)

- Treats scurvy, Good for teeth. Lemons can be used for the cleansing of your teeth.
- Lowers the risk of stroke.
- Fights constipation and indigestion
- Good for your skin.
- Fights cancer
- Relieves respiratory disorders.
- Controls high blood pressure.

- **CURRY LEAVES**

The plant is also sometimes called sweet neem, **Curry leaves** are used in making curries, soups, rice dishes, and lentils, both as tadkaa and garnish.

Curry leaf works as a detoxifier



Curry Leaves for Diabetes

It has anti-hepatotoxic effects

- **AMLA**

Amla, also known as Indian gooseberries, grows on a flowering tree of the same name.

- Promotes immune function. Amla juice is a great source of vitamin C, which is a water-soluble vitamin that acts as an antioxidant.
- Enhances liver health
- Supports healthy digestion.
- Promotes heart health.
- May increase hair growth.
- Improves kidney health

- **TULSI**

Tulsi is an aromatic shrub in the basil family Lamiaceae (tribe ocimeae). Tulsi is known to have many properties like:

- It might be an antipyretic (relieves fever) agent
- It might have anti-inflammatory activity
- It might be an antiemetic (prevents vomiting)
- It might help lower the blood sugar (antidiabetic)
- It might act as a hypotensive (lowers blood pressure)
- It might have hypolipidemic (lowers cholesterol) activity
- It might act as an analgesic (relieves pain)
- It might have anti-asthmatic activity
- It might be a hepatoprotective (liver-protective) agent
- It might help reduce stress (antistress)
- It might be a potent expectorant (expels mucous)
- It might have anticancer potential





- It might be a diaphoretic (induces sweating)

- **NEEM**

Neem, (*Azadirachta indica*), also called nim or margosa, fast-growing tree of the mahogany family (Meliaceae), valued as a medicinal plant, as a source of organic pesticides, and for its timber.

- Treats Acne. Neem has an anti-inflammatory property which helps reduces acne.
- Nourishes Skin
- Treats Fungal Infections.
- Useful in Detoxification.
- Increases Immunity.
- Insect & Mosquito Repellent.
- Prevents Gastrointestinal Diseases.
- Treats Wounds.



Seasonal Plant in Herbal Garden





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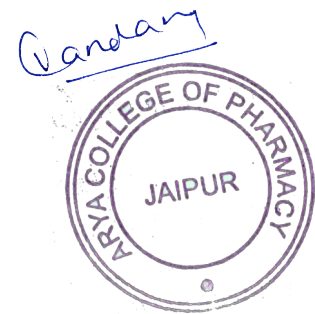
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Herbal Garden at Arya College of Pharmacy, Jaipur





## Activities in Animal House

1. Training of students for animal handling
2. Learn about animal care
3. Study about Animal ethics

## Activities in Herbal Garden

1. To inculcate a sense of familiarity with surrounding biodiversity and its conservation, especially herbal plants
2. Educate Students in identifying different types of herbs and their uses
3. Encouraging the students to grow herbs in their home
4. Popularize the usefulness of commonly available and frequently used herbal plants
5. To conserve the associated traditional knowledge for future generations, in a fun and practical way

## Major Activities in LABS

1. Study the different glassware's, instruments and equipments
2. Study the working principle of various major instruments  
HPLC, Colorimeter, ultra sonicator, autoclave, hot air oven, ph meter
3. Synthesis of different medicinal product.
4. Qualitative and quantitative estimation of different components in blood and urine.
5. Microbiological Assay

And all practical as per PCI syllabus

