



## **CRITERIA - III**

### **RESEARCH, INNOVATIONS AND EXTENSION**

<b>Key Indicator - 3.2</b>	<b>Innovation Ecosystem</b>
<b>Metric - 3.2.1 (Q<sub>1</sub>M)</b>	<b>Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)</b>

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**3.2.1:** Institution has created an Ecosystem for Innovations and has initiatives for creation and transfer of knowledge

S. No.	Name of the Eco-System Project	URL
1	Formulation and Standardization of Herbal Skin Care Preparation	
2	Formulation and Evaluation of Antifungal Herbal Shampoos	
3	Formulation and Evaluation of Herbal Cream	
4	Formulation and Evaluation of Herbal Cream	
5	Antibacterial Herbal Cream	
6	Formulation and Evaluation of Antibacterial Herbal Cream of <i>Embluca Officinalis</i>	
7	Formulation and Evaluation of Herbal Lotion	
8	Formulation of Antiseptic and Anti Fungal Herbal Shampoo by Using Fenugreek and Onion	
9	Preparation of Anti-Hyperpigmentation Cream by Using Herbal Material	
10	Need of Reporting ADR's in Ayurvedic Formulations	



*M. N. S.*

**Principal**

Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana - 506 005.

**FORMULATION AND STANDARDIZATION OF HERBAL SKIN CARE****PREPARATION**

The extract of *curcuma longa*, Aloe vera & rose water was used for the preparation of cream. Turmeric has great medicinal value in Indian traditional system of medicine and in ayurvedic preparation. Aloe vera has been traditionally used to treat skin injuries (burns, cuts, insect bites, and eczemas) and digestive problems because it's anti-inflammatory, antimicrobial, and wound healing properties. Stability parameters of the formulations showed that there was no significant variation during the study period. The cream was found to be more stable during stability study; thus the present study concluded that it is possible develop Herbal skin protection cream containing herbal extract and can be used as antiseptic and for beautifying purpose.



**Extraction of Aloe vera gel from the *Aloe barbadensis***



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### FORMULATION AND EVALUATION OF ANTIFUNGAL HERBAL SHAMPOOS

Dandruff is a scalp condition that affects more than 50 % of the human population and affects the social behavior of the sufferer along with possessing an unhealthy scalp. Novel formulations containing proven anti- dandruff agents with longer contact time at the site of action are the need of the hour and hence can prove to be advantageous in anti-dandruff treatment.



**Anti-Dandruff Shampoo**



  
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## FORMULATION AND EVALUATION OF HERBAL CREAM

The prepared formulation showed good spread ability, no evidence of phase separation and good consistency during the study period. From the above study it can be concluded that it is possible to develop creams with herbal extracts. The ethanolic extract of *Azadirachta indica* exhibited strong anti-bacterial activity and Chaulmoogra oil exhibited Salicylic acid & Sculpture exhibited as--- The results of different tests of cream showed that the formulation could be used topically in order to protect skin against damage. Natural remedies are more acceptable in the belief that they are safer with fewer side effects than the synthetic ones. So, an herbal cream which is non toxic, safe effective and improves patient compliance by the utilization of herbal extracts would be highly acceptable. We recommended that the formulated cream can be successfully used for skin infections and moistening agent. Which including *acne vulgaris*, after the conformation of clinical and toxicological studies in future.



**The prepared formulation protects against damage of skin**



  
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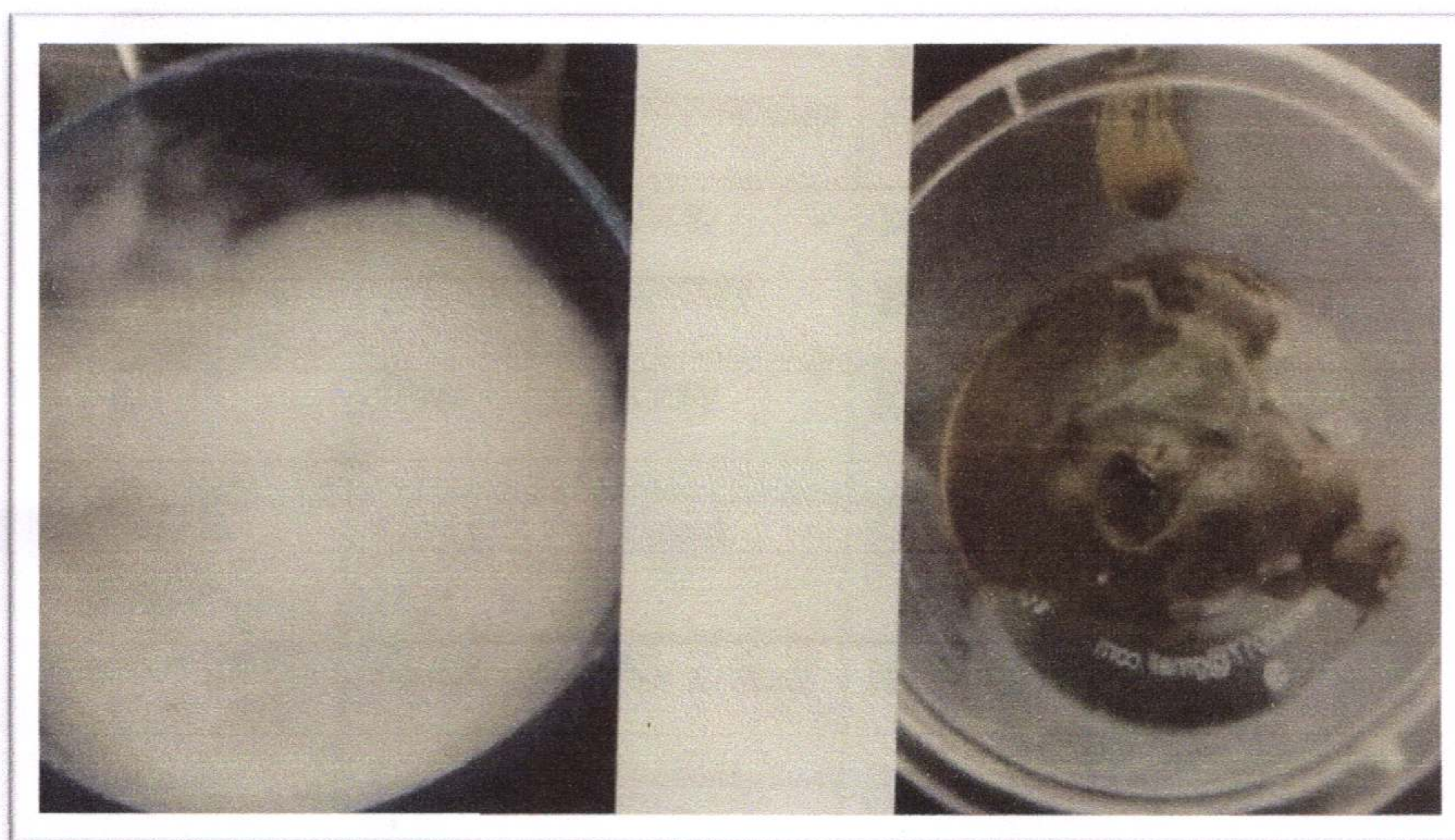
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**FORMULATION AND EVALUATION OF HERBAL CREAM**

The prepared formulation showed good spreadability, no evidence of phase separation and good consistency during the study period. From the above study it can be concluded that it is possible to develop creams with herbal extracts. The ethanolic extract of *Azadirachta indica* exhibited strong anti bacterial activity. Aloe vera exhibited anti-ageing, anti-inflammatory and moisturizer activity. The results of different tests of cream showed that the formulation could be used topically in order to protect skin against damage. Natural remedies are more acceptable in the belief that they are safer with fewer side effects than the synthetic ones. So, an herbal cream which is non toxic, safe effective and improves patient compliance by the utilization of herbal extracts would be highly acceptable. We recommended that the formulated cream can be successfully used for skin infections and moisturizing agent which including *acne vulgaris*, after the conformation of clinical and toxicological studies in future.

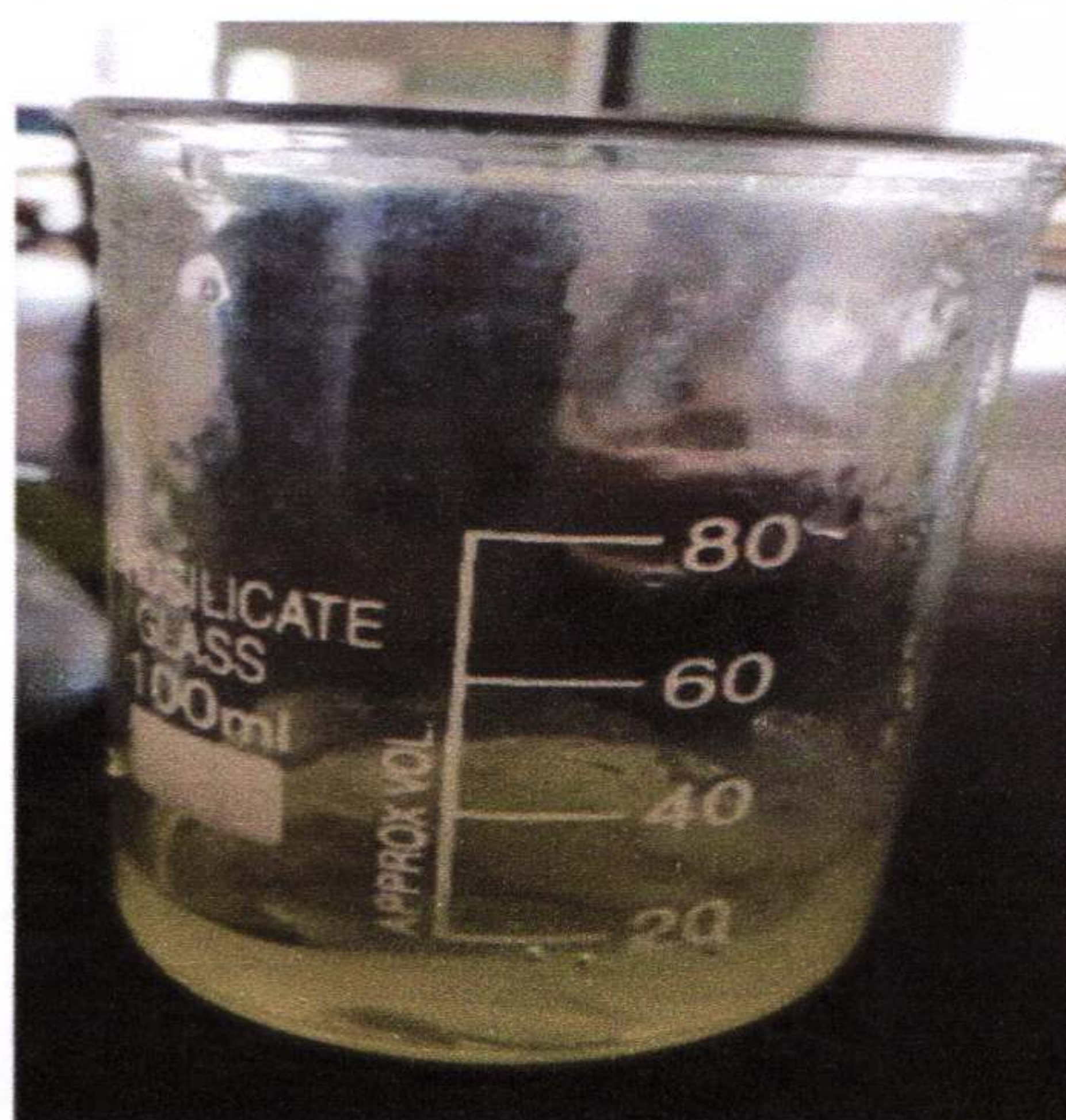
**Anti Ageing & Anti Bacterial Cream**

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## ANTIBACTERIAL HERBAL CREAM

Plants possessing anti bacterial activity for various diseases are being studied by various methods to evaluate their anti bacterial property. Various studies have identified compounds from herbal plants that are effective antibiotics. Many infectious diseases have been known to be treated with remedies throughout the history of mankind. The world is blessed with an amazing prosperity of medicinal plants. Medicinal plants show a significant role in the lives of poor people, with few medical facilities. Phytochemical research is done in *Ficus religiosa* that led to the discovery and isolation of plant metabolites. This review exposes that the *Ficus religiosa* has various phytochemicals like  $\beta$ -sitosterol D-glucoside, vitamin K, n-octacosanol, kaempferol, quercetin, and. Various pharmacological activities like anti-oxidant, anti-bacterial, hypoglycemic, hypolipidemic, wound healing activities, anti-helminthics, immunomodulatory, anti-convulsant and anti-ulcer activities have been studied in *Ficus religiosa*, one of the natural treasures of India. The methanolextracts of the leaves of *Ficus religiosa*, *Ficus benghalensis*, *Ficus elastica*, *Ficus benjamina* and *Ficus infectoria* were used in this study. Among them the *Ficus benghalensis*, *Ficus religiosa* and *Ficus elastica* are more effective than *Ficus infectoria* and *Ficus benjamina*. Because of this reason they may be used in traditional medicines. Further, an investigation on the active components needs to be done to know the exact mechanism of action which will contribute much more to the development of advanced pharmaceuticals.



Anti-Bacterial Herbal Cream



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### FORMULATION AND EVALUATION OF ANTIBACTERIAL HERBAL CREAM OF EMBLICA OFFICINALIS

Herbal medicine prepare various part of plant are used like flower, leaves, seeds, root etc. Instead off an herbal drug is design as the alternative formulation for the external use in the form of ointment. For the medicinal use the herbal ointment apply externally on human body. The main aims of this research are preparation of herbal ointment from the *Emblica officinalis* plants the antibacterial activity. Under this research work, it is design as herbal ointment with the help of methanolic extract of *Emblica officinalis* and determines the anti-bacterial capacity on it. In vitro study the antibacterial activity of the methanolic extracts of dried leaves of *Emblica officinalis* are determine by using the Agar cup plate method versus different bacteria such as *Staphylococcus aureus*, *Bacillus subtilis*, *Escherichia coli* and *Pseudomonas aeruginosa* etc. By blending the methanolic extract of *Emblica officinalis* (10 % w/w) into aqueous cream we formulated herbal ointment. The emulsifying agent and simple ointment bases are added in above herbal ointment for increase the antibacterial effectiveness during in vitro evaluation. The herbal ointment is also better in comparison to a commercial brand of Gentamicin ointment. *Emblica officinalis* (Family *Euphorbiaceae*) are broadly used in traditional system of medicine throughout different part of India. It is used in the treatment of cold, anemia, dysentery, fever, gravel, sores. The current study deals with the determination of formulation and evaluation of herbal ointment using *Emblica officinalis* extract.



*Emblica officinalis*



*M*

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**FORMULATION AND EVALUATION OF HERBAL LOTION**

The prepared formulation showed good spread ability, no evidence of phase separation and good consistency during the study period. From the above study it can be concluded that it is possible to develop lotion with herbal extracts. The ethanolic extract of *Carica papaya* exhibited strong anti bacterial activity. *Carica papaya* exhibited anti-ageing and moisturizer activity. The results of different tests of lotion showed that the formulation could be used topically in order to protect skin against damage. Natural remedies are more acceptable in the belief that they are safer with fewer side effects than the synthetic ones. So, an herbal lotion which is non toxic, safe effective and improves patient compliance by the utilization of herbal extracts would be highly acceptable. We recommended that the formulated lotion can be successfully used for skin infections and moist ring agent. Which including acne vulgarism, after the conformation of clinical and toxicological studies in future.

*Carica papaya*

*M. J. ...*  
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**FORMULATION OF ANTISEPTIC AND ANTI FUNGAL HERBAL SHAMPOO BY USING FENUGREEK AND ONION**

The formulated shampoo was safer than the chemical conditioning agents, but also greatly reduce the protein loss during combing. The pH of the shampoo was adjusted to 5.5 pH to retain the acidic mantle of scalp. We have used the physic-chemical approach to preservation and by formulating a self-preserving shampoo, have avoided this risk posed by chemical preservatives. However, the aesthetic attributes, such as lather and clarity, of the laboratory shampoo are not comparable with the marketed shampoo. Although the retail products do not fare so well in the tests conducted by us, they enjoy market popularity, especially if they foam well. This is mainly due to the false notion among consumers that "a shampoo that foams well, works well", and no real effort on the part of manufacturers to counter this fallacy. In the present scenario, it seems improbable that herbal shampoo, although better in performance and safer than the synthetic ones, will be popular with the consumers. A more radical approach in popularizing herbal shampoo would be to change the consumer expectations from a shampoo, with emphasis on safety and efficacy. Formulator must play an active role in educating the consumers about the potential harmful effects of synthetic detergents and other chemical additives present in shampoo.

*Trigonella Foenum-Graecum*

*M M*  
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### PREPARATION OF ANTI-HYPERPIGMENTATION CREAM BY USING HERBAL MATERIAL

Hyper pigmentation is a common skin condition that can affect many people for many reasons. Types of hyper pigmentation include age spots, melasma, and post inflammatory hyper pigmentation. Hyper pigmentation is a harmless skin condition that people can get rid of using removal techniques such as cosmetic treatments, creams, and home remedies. If a person notices other symptoms alongside hyper pigmentation, they should seek advice from their doctor. If a person wants to treat hyper pigmentation for cosmetic reasons, they can seek advice from a dermatologist, who will be able to advise them on the best treatment methods available.



Anti- Hyperpigmentation Cream



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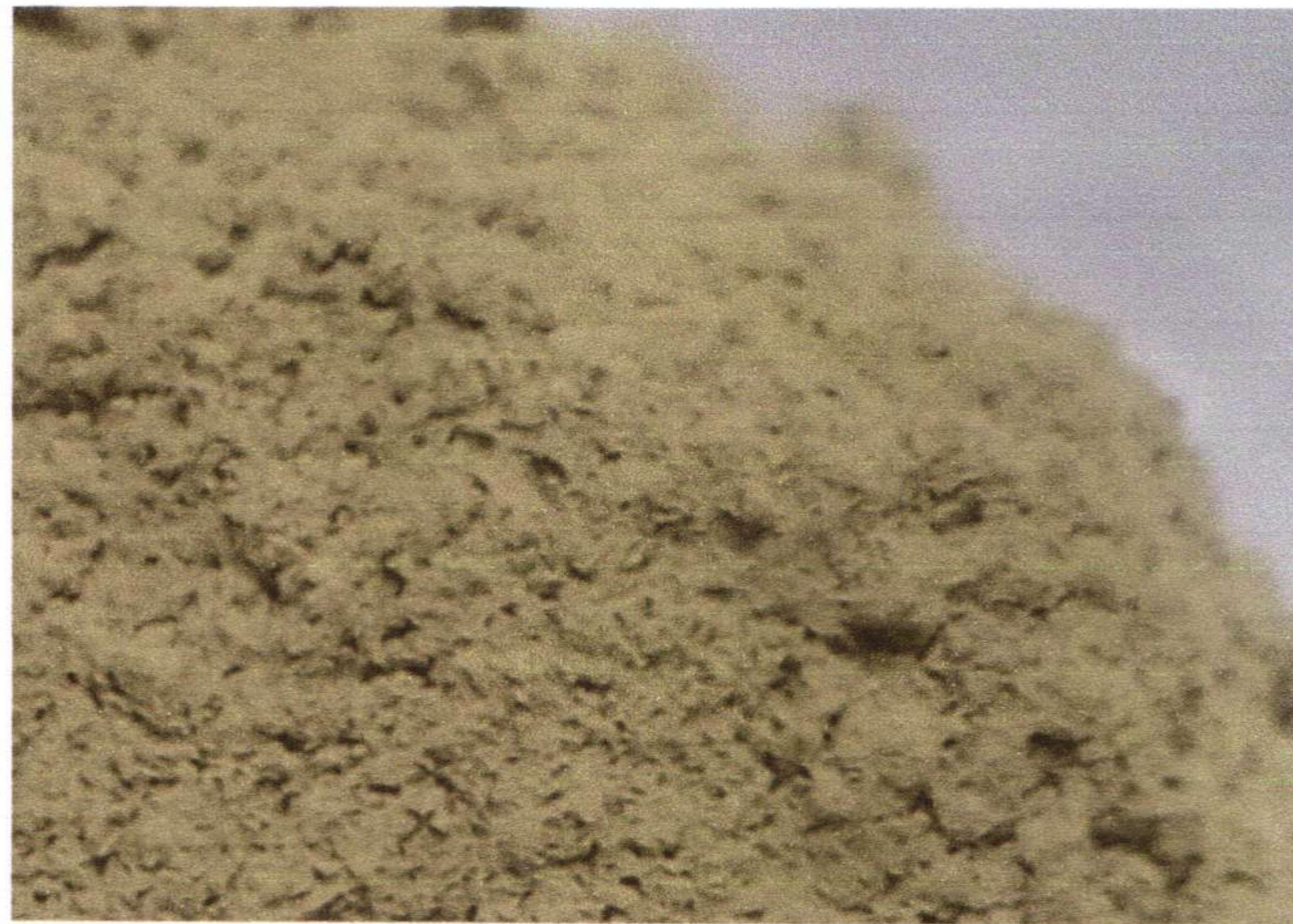
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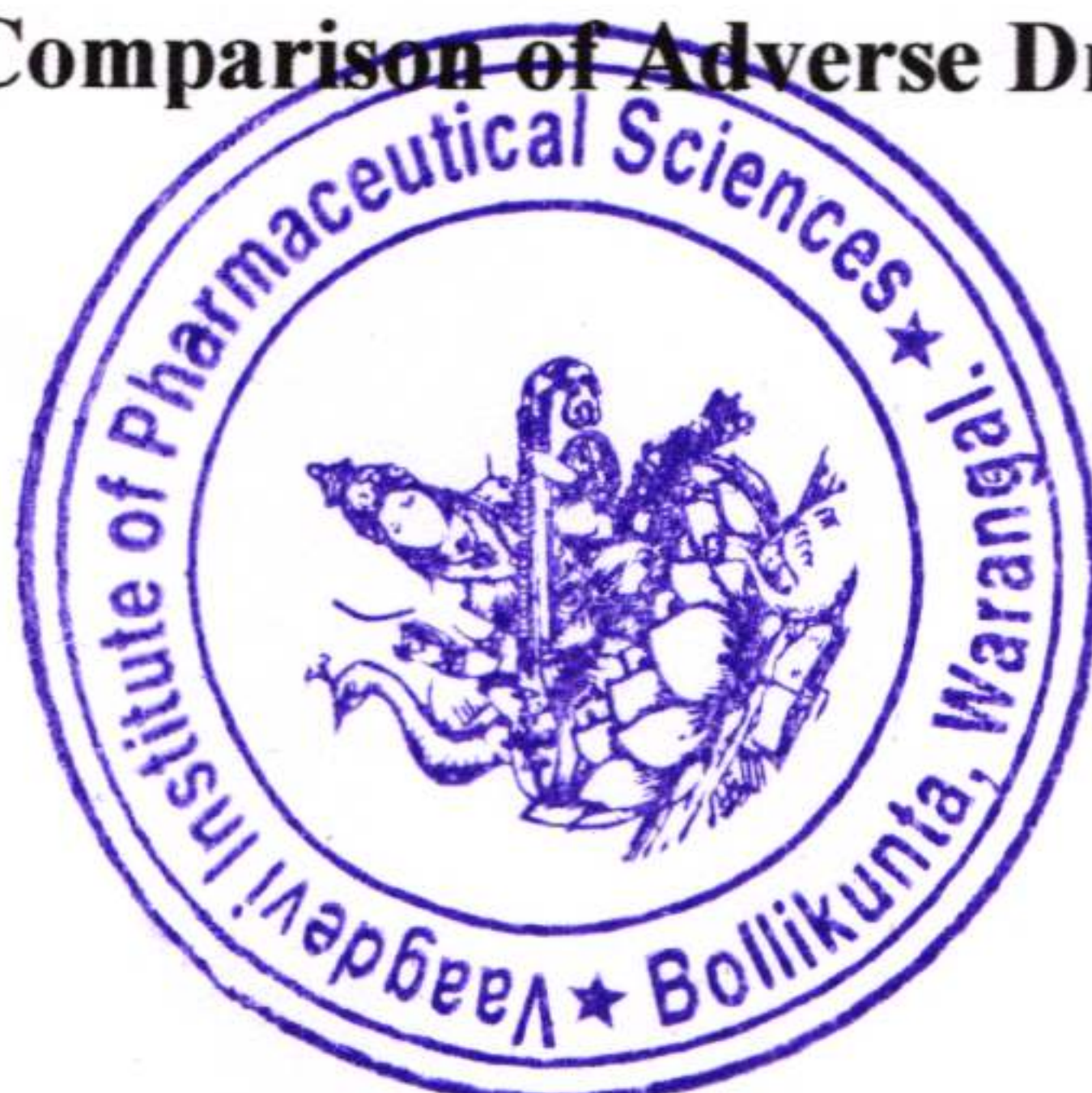
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### NEED OF REPORTING ADRS IN AYURVEDIC FORMULATIONS

Pong safety continues to play an important role in patient care and disease management in any branch of medicine. When it comes to issue of safety related to Herbal and Ayurveda medicine, the matter becomes very important as it shakes the self lifes of patients related to safety of Ayurveda. It has to be understood that use of all medicines are associated with some degree of risk, and it totally lies with the patting physicians to trade-off between the benefits and the potential risk. This risk may be considerably reduced by use of good quality medications and following various guidelines and instructions mentioned in Ayurveda classics related to administration of drugs. To achieve this, it is very important to understand and study the principles of drug safety mentioned in Ayurveda. We can see that Ayurveda has very elaborate explanation about ADR and ways to prevent it. A rich textual knowledge is necessary while practicing to minimize the occurrence of ADRs. There is also a need for extensive research to be carried so as to understand the reasoning and concept behind de classical principles related to drug administration and safety. Such studies can help to explore new paradigm related with pharmacokinetics, pharmacodynamics and pharmacogenomies. Spontaneous reporting of ADR related to Ayurveda treatments will also play a very important role in providing signals and formulating new research questions.



### Comparison of Adverse Drug Reactions in Between Ayurvedic Formulations



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## INNOVATION ECOSYSTEM EQUIPMENTS



**DRY & WET WASTE**



*M N*

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**CMACH PUNCHING MACHINE**



  
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**LAMINAR AIR FLOW**



**AUTO CLAVE**



*M. Meenakshi*

**Principal**  
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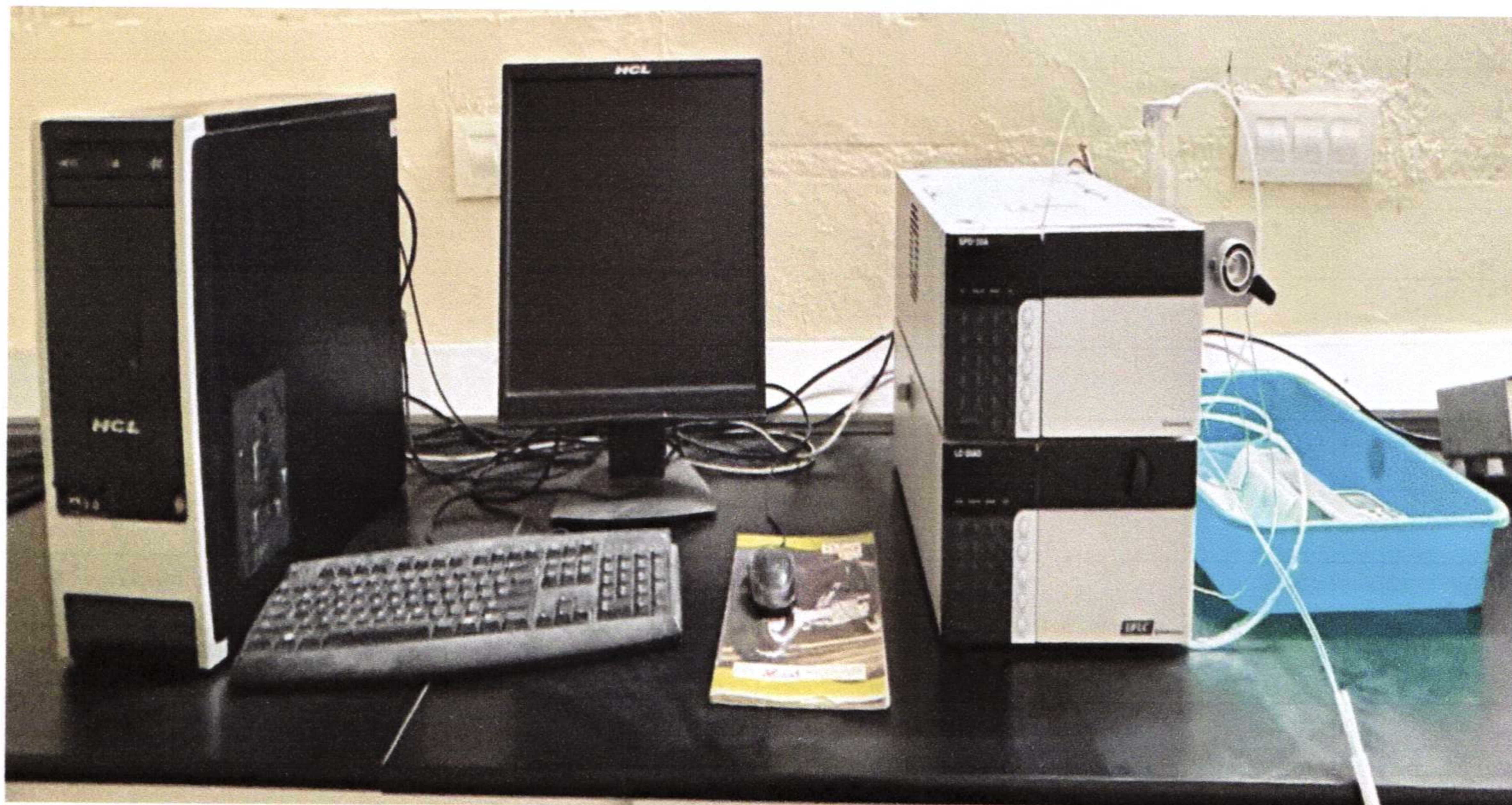


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**HPLC**



**ANTIBIOTIC ZONE READER**



**Principal**

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**DIGITAL COLONY COUNTER**



**BOD INCUBATOR**



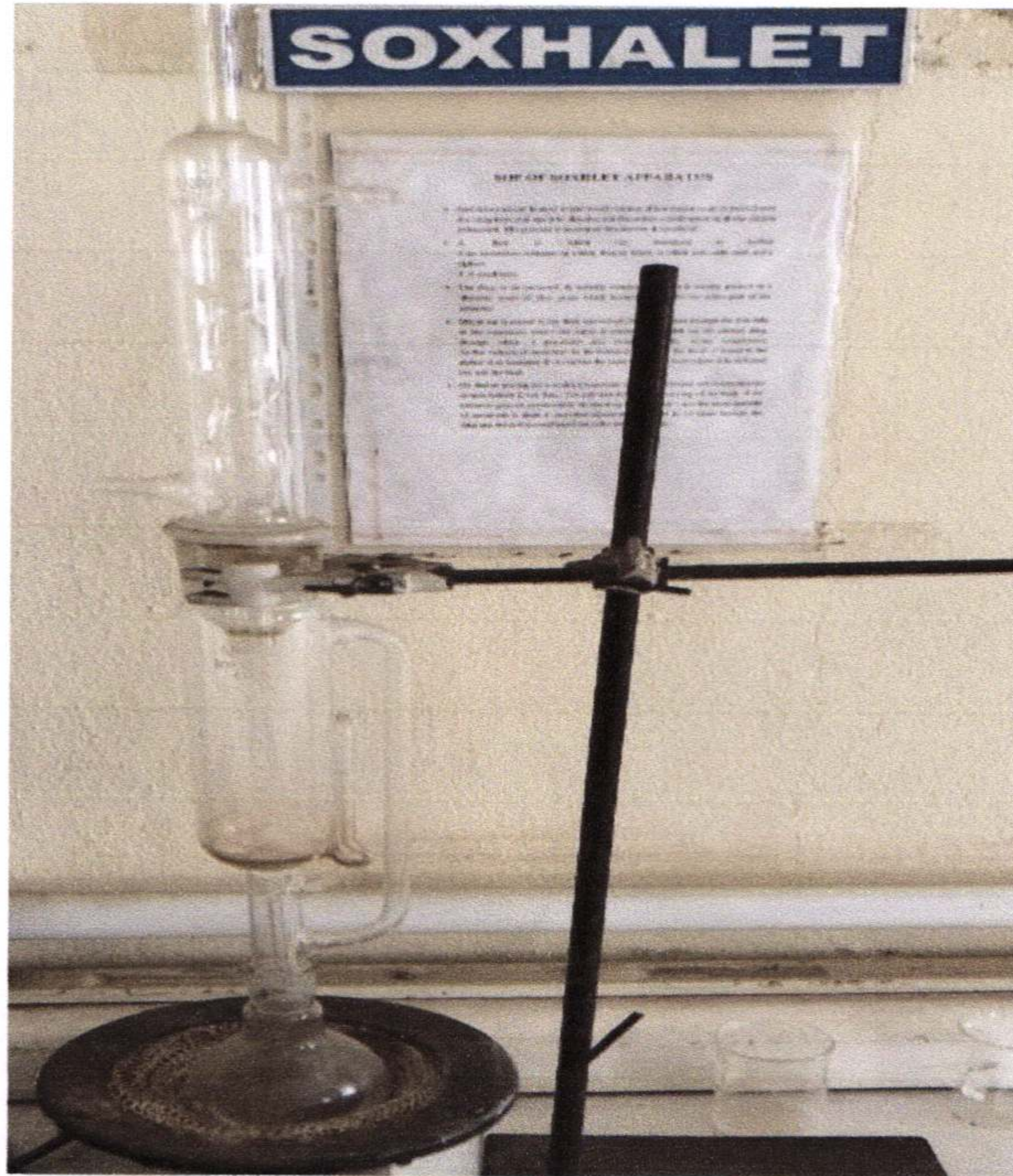
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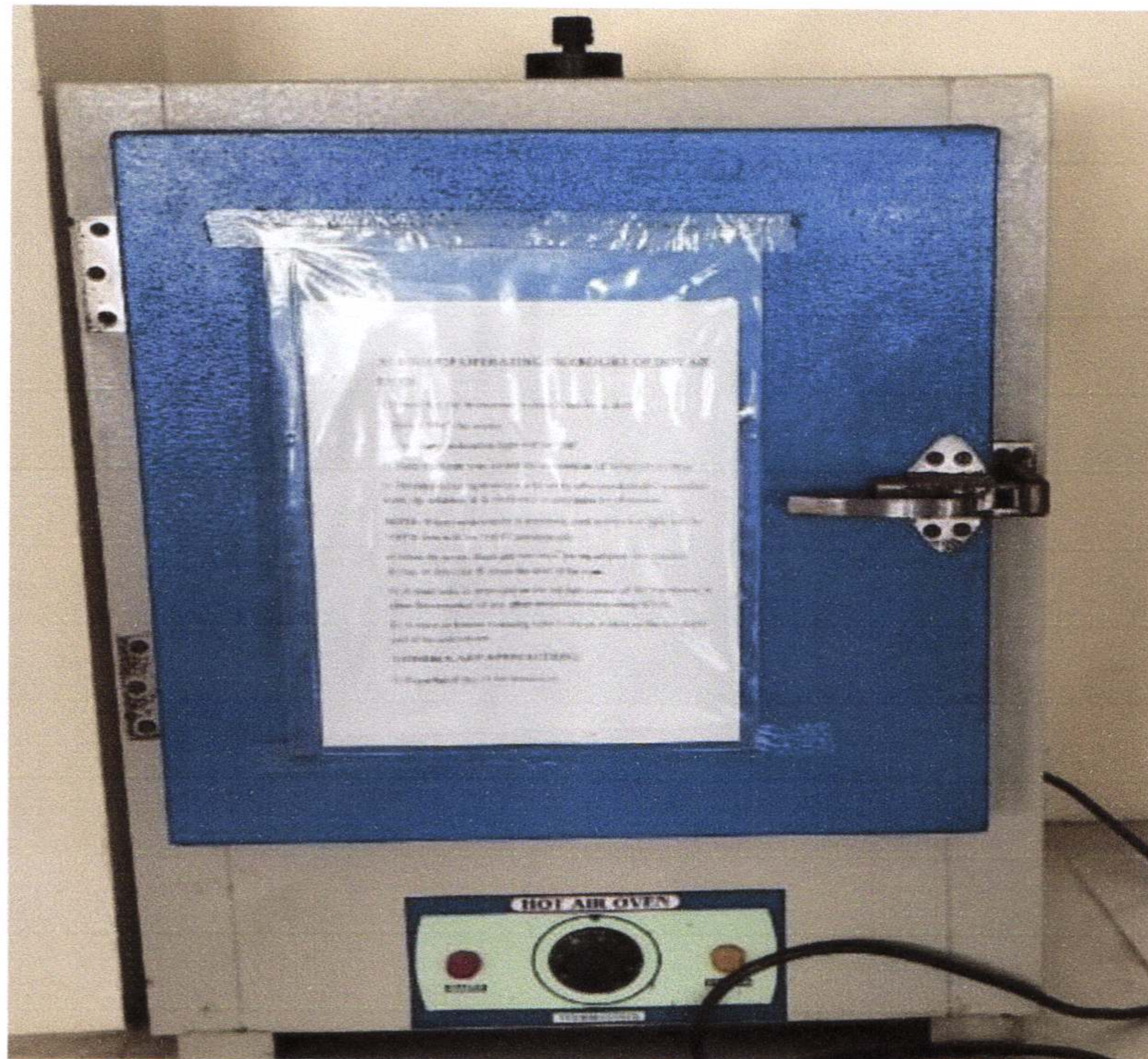
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**SOXHALET APPARATUS**



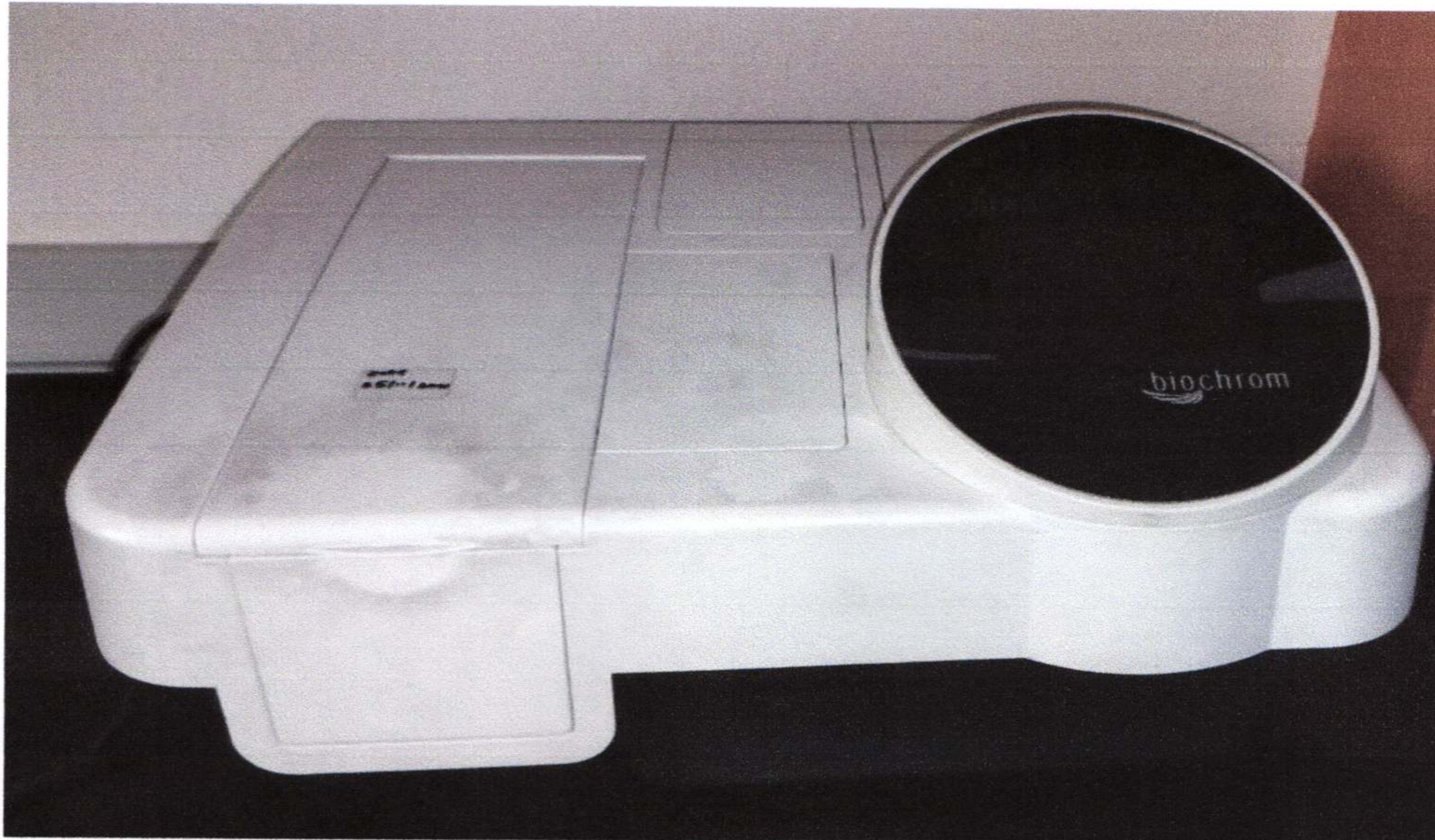
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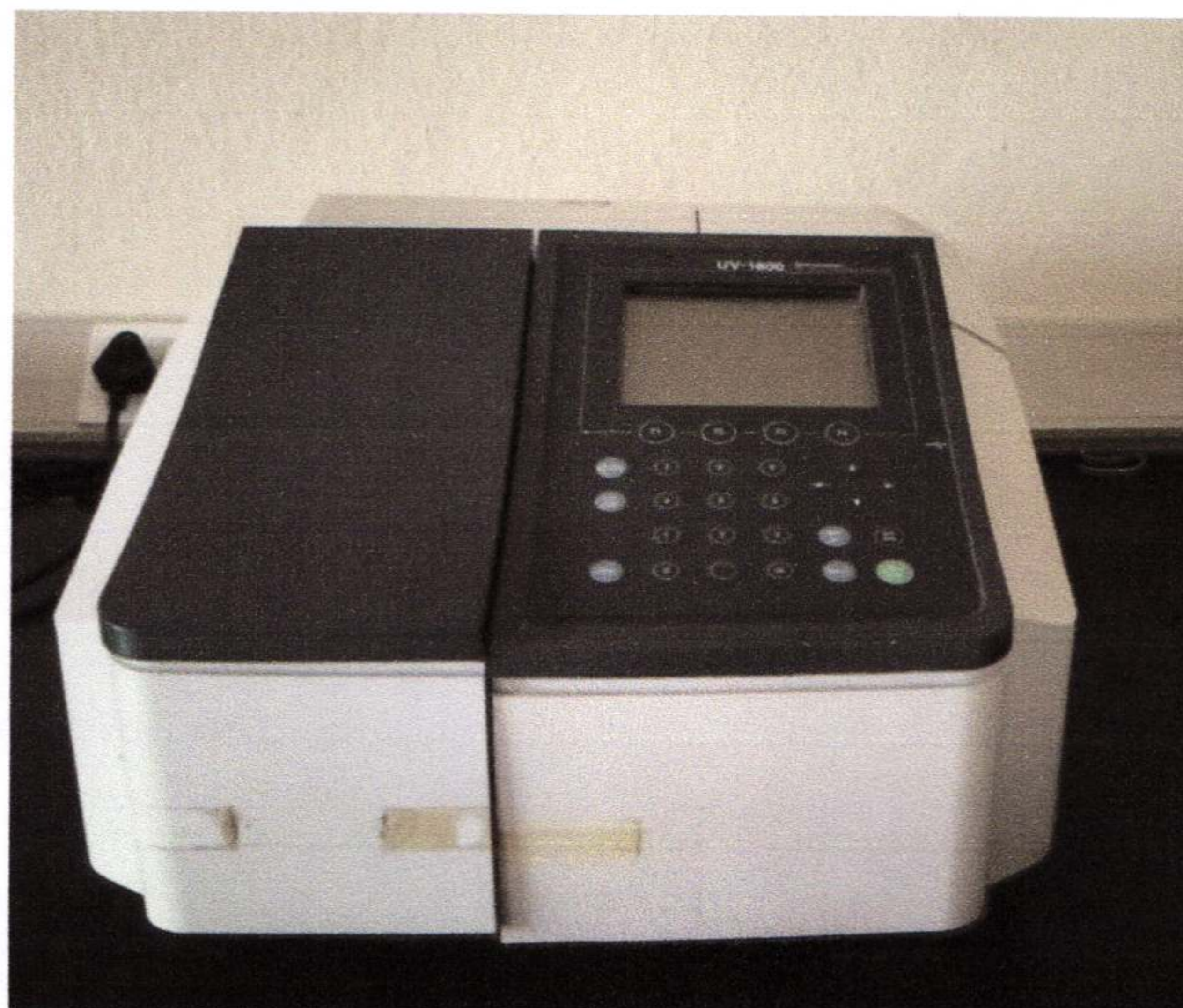
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**UV-VISIBLE SPECTROPHOTOMETER (BIOCHROM)**



**UV-VISIBLE SPECTROPHOTOMETER (SHIMAZU)**



*M N*

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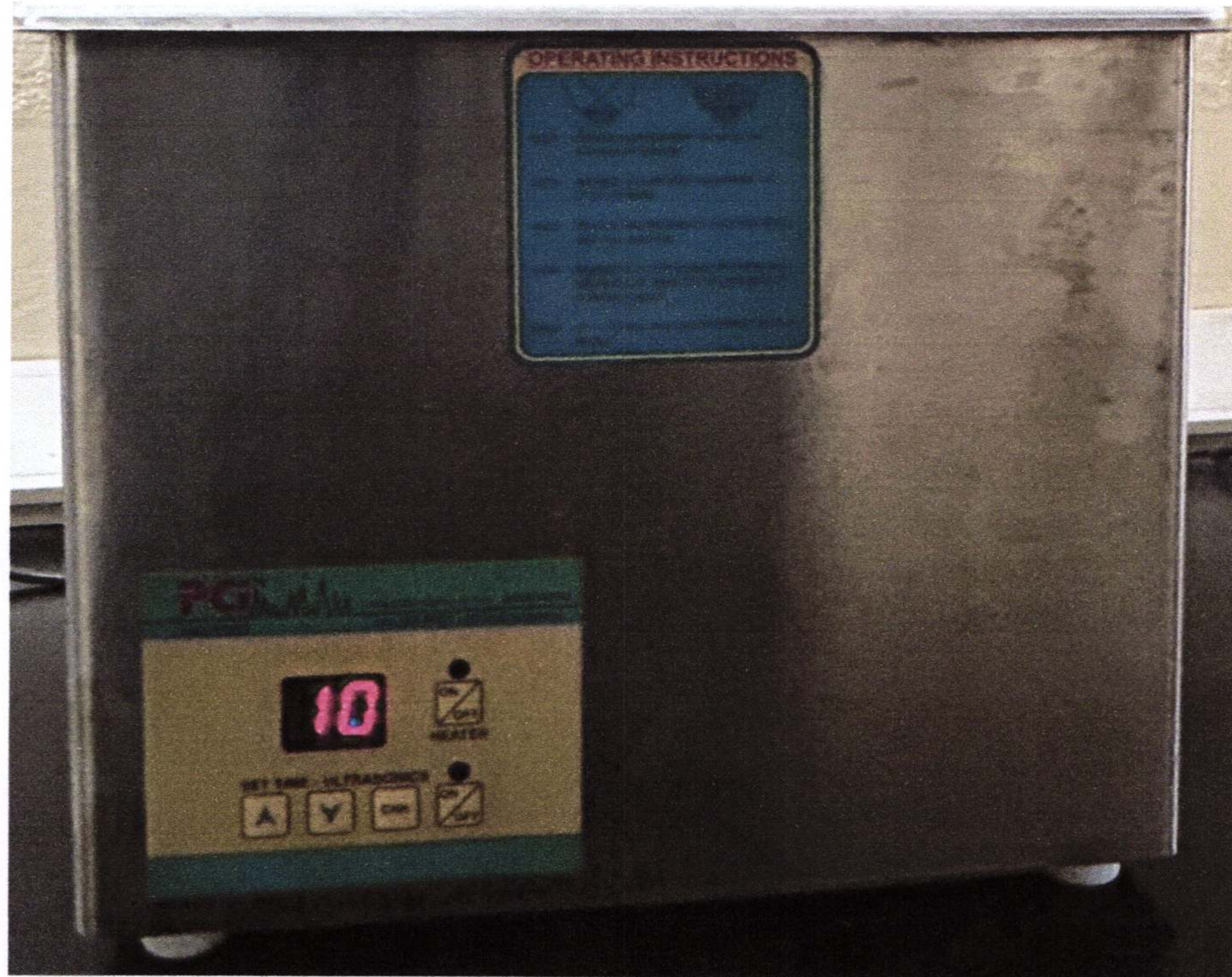


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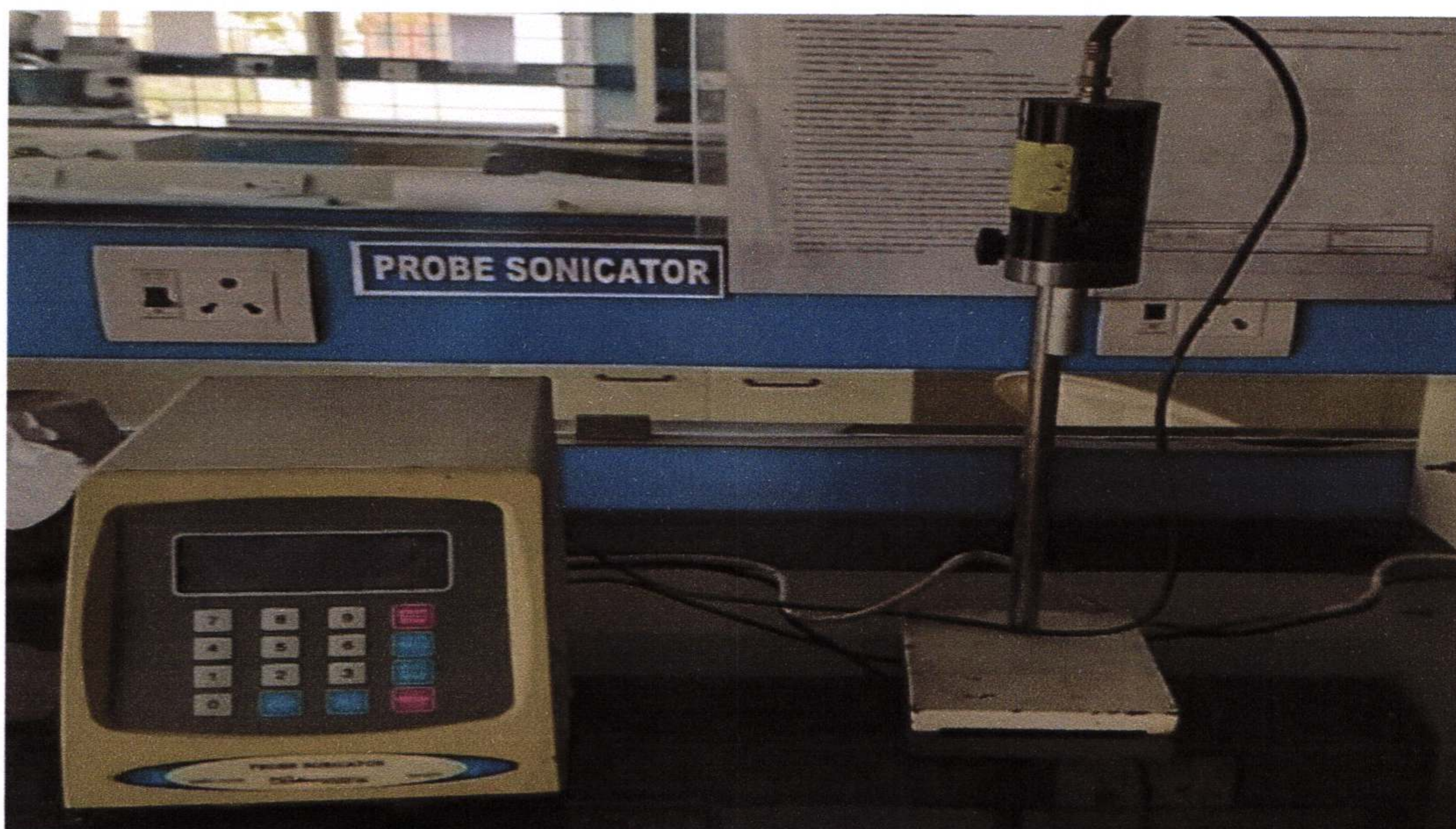
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**BATH SONICATOR**



**PROBE SONICATOR**



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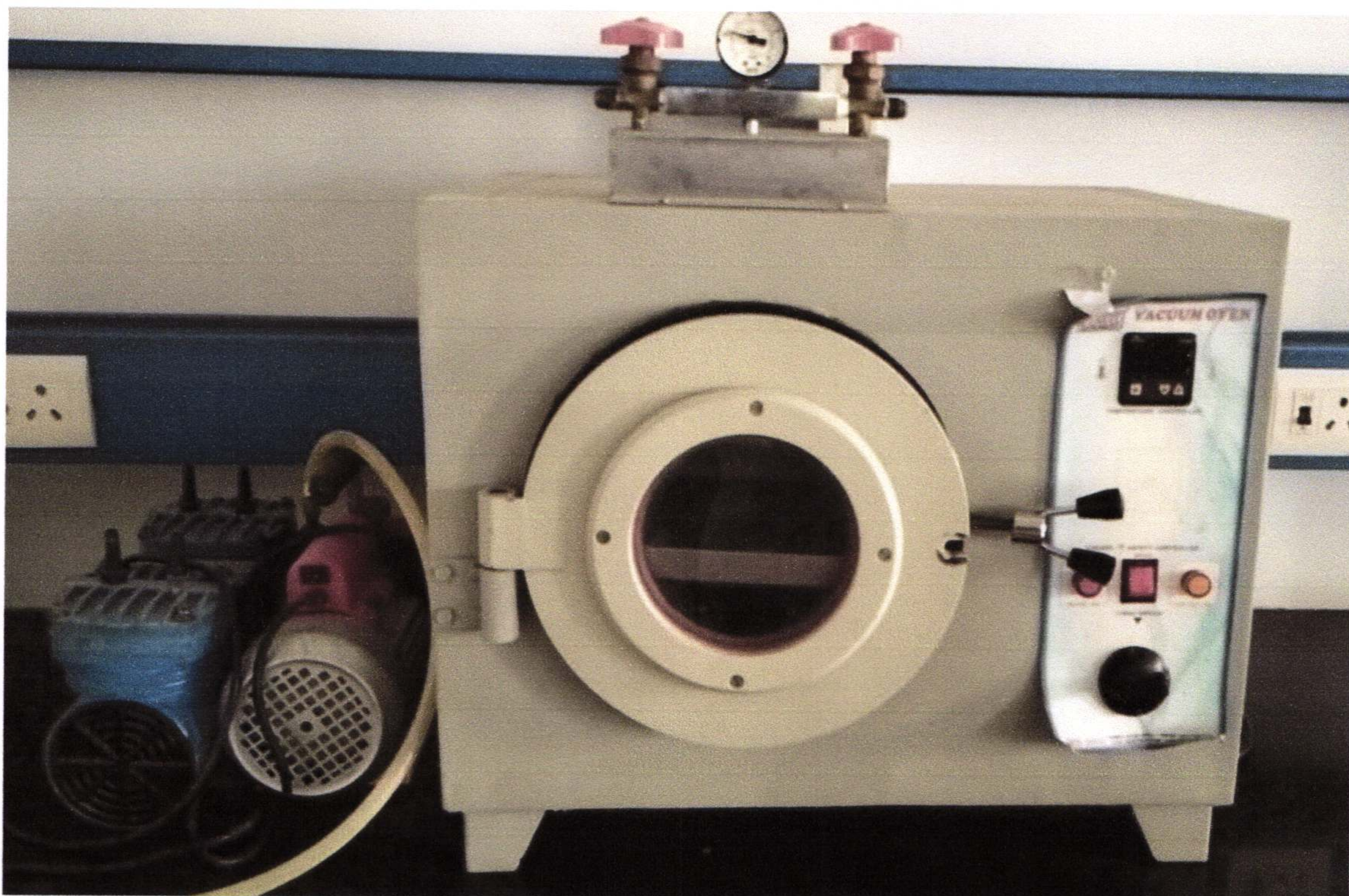
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**PHOTO STABILITY CHAMBER**



**VACCUUM OVEN**



*M A*

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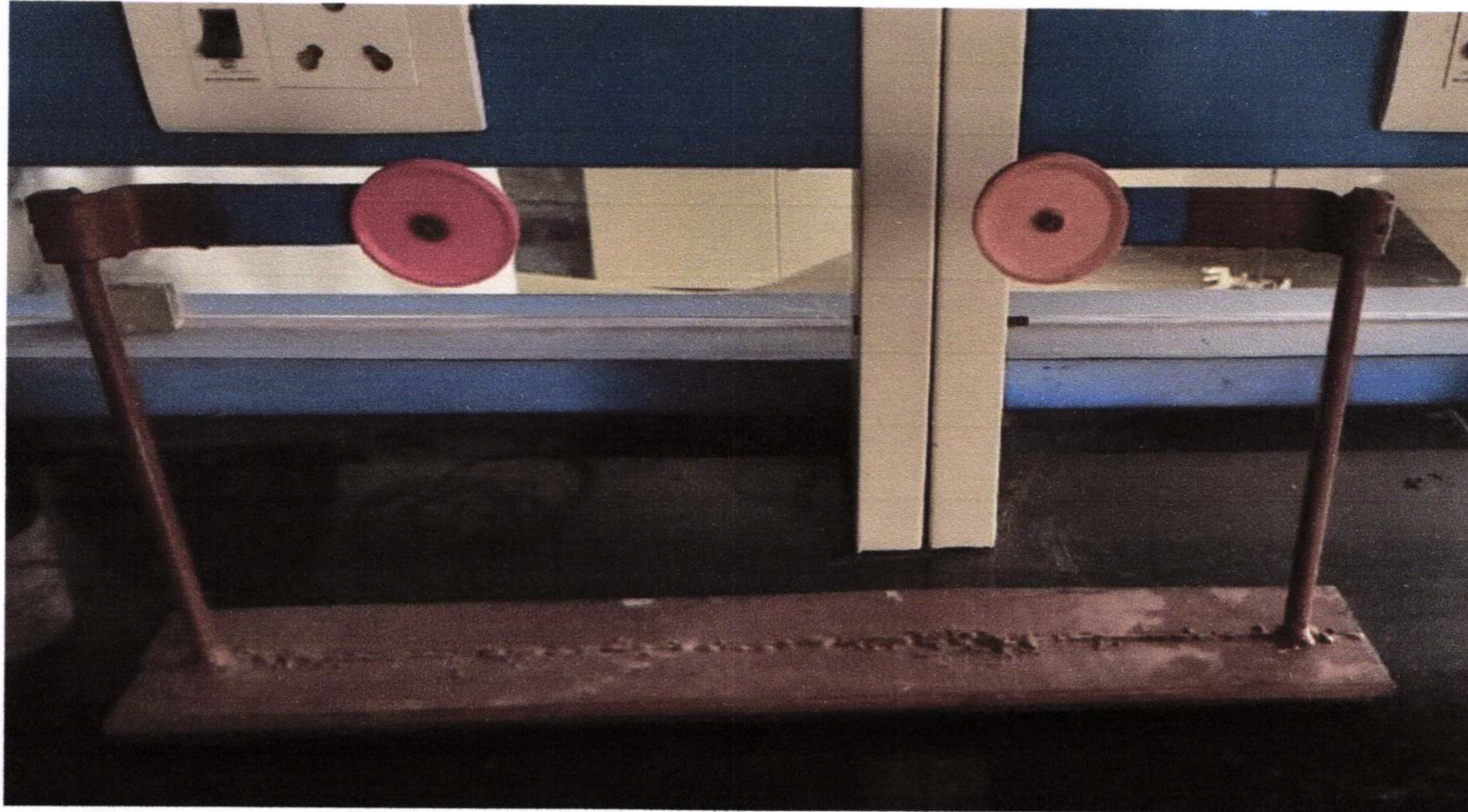


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**TENSILE STRENGTH APPARATUS**



**BROOKFIELD VISCOMETER**



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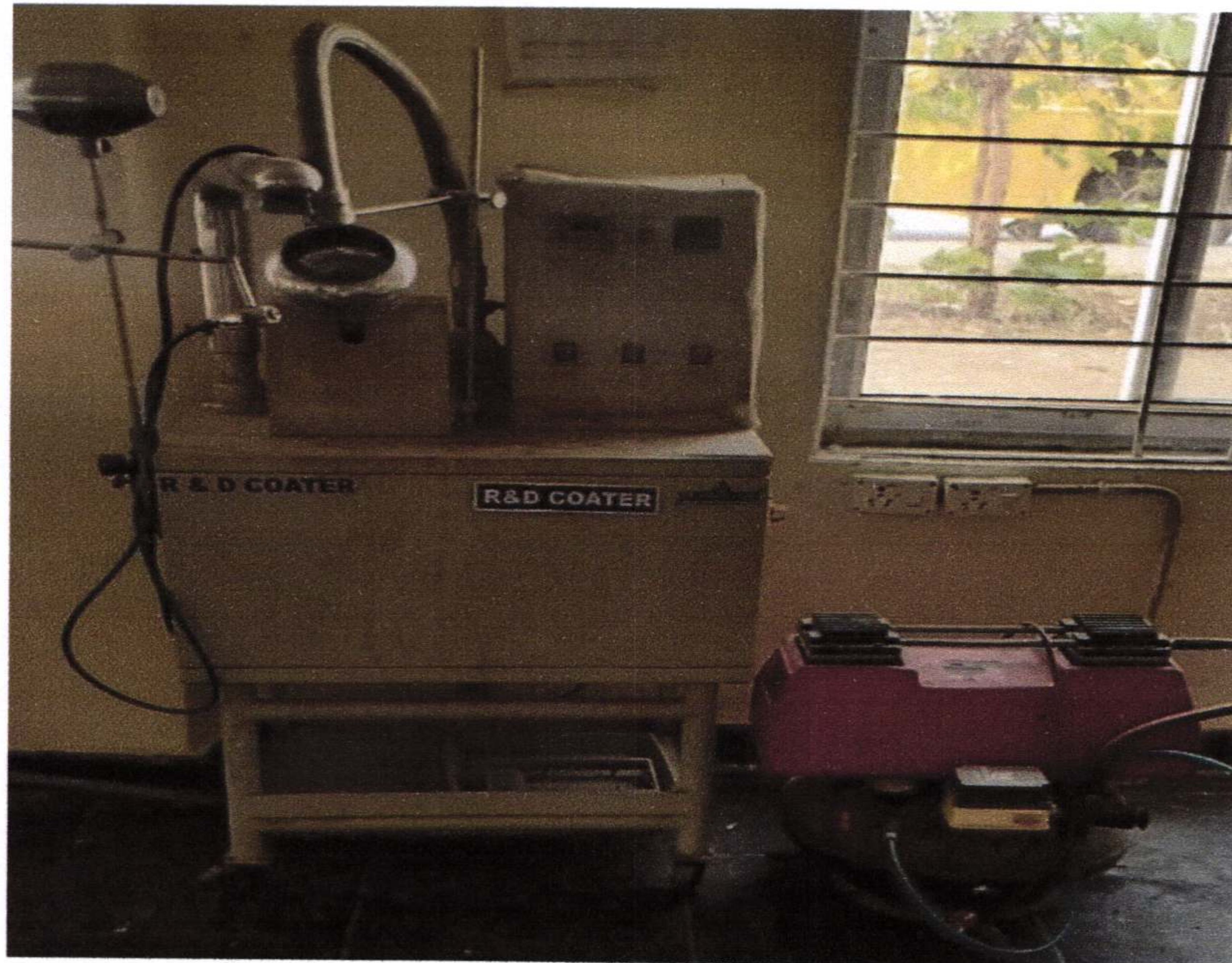
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**BINOCULAR MICROSCOPE**



**COATING PAN**



**Principal**

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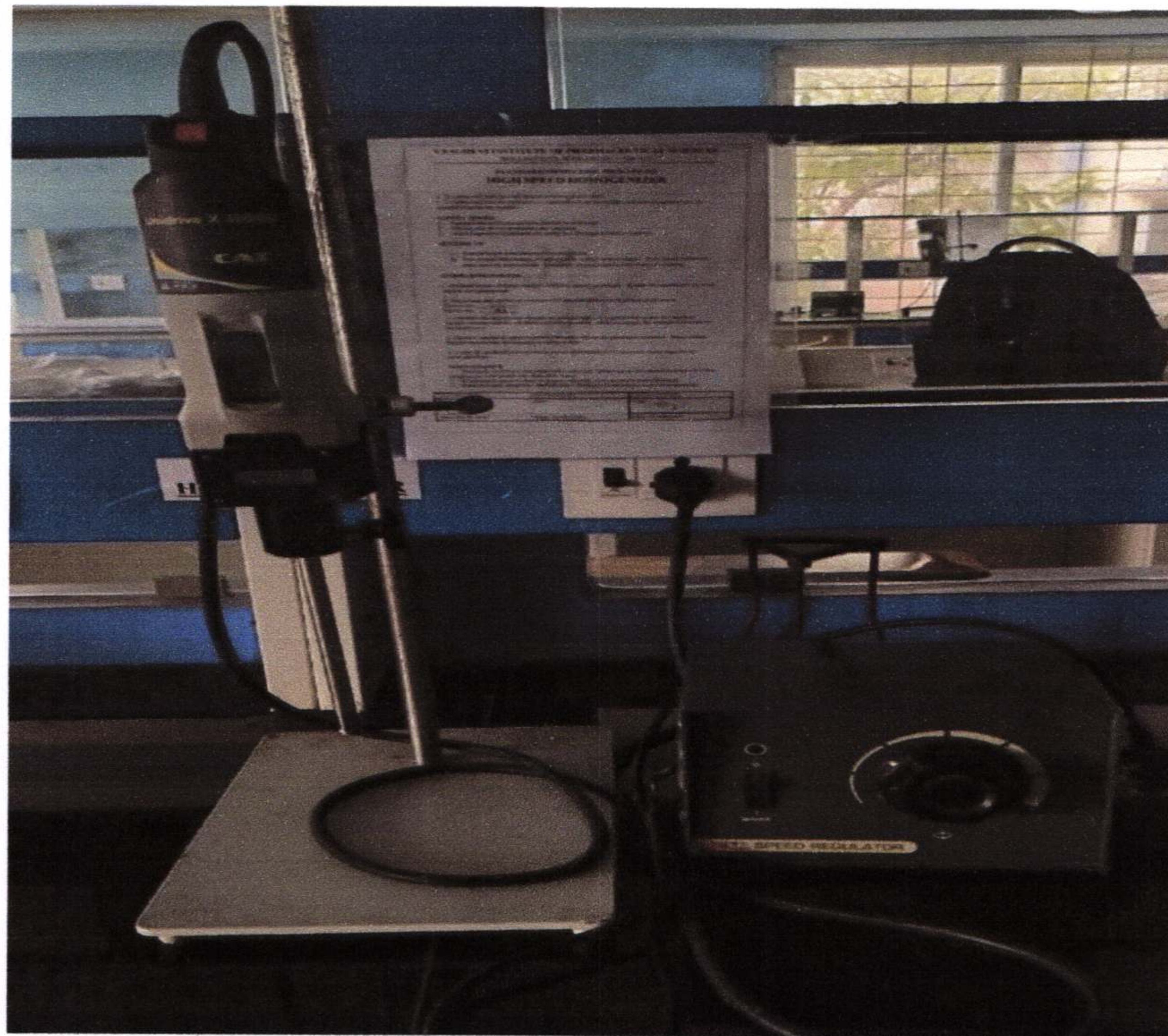
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**DISSOLUTION APPARATUS**



**HIGH SPEED HOMOGENIZER**



*M. Renu*

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**DISINTEGRATION APPARATUS**



**FRIABILATOR**



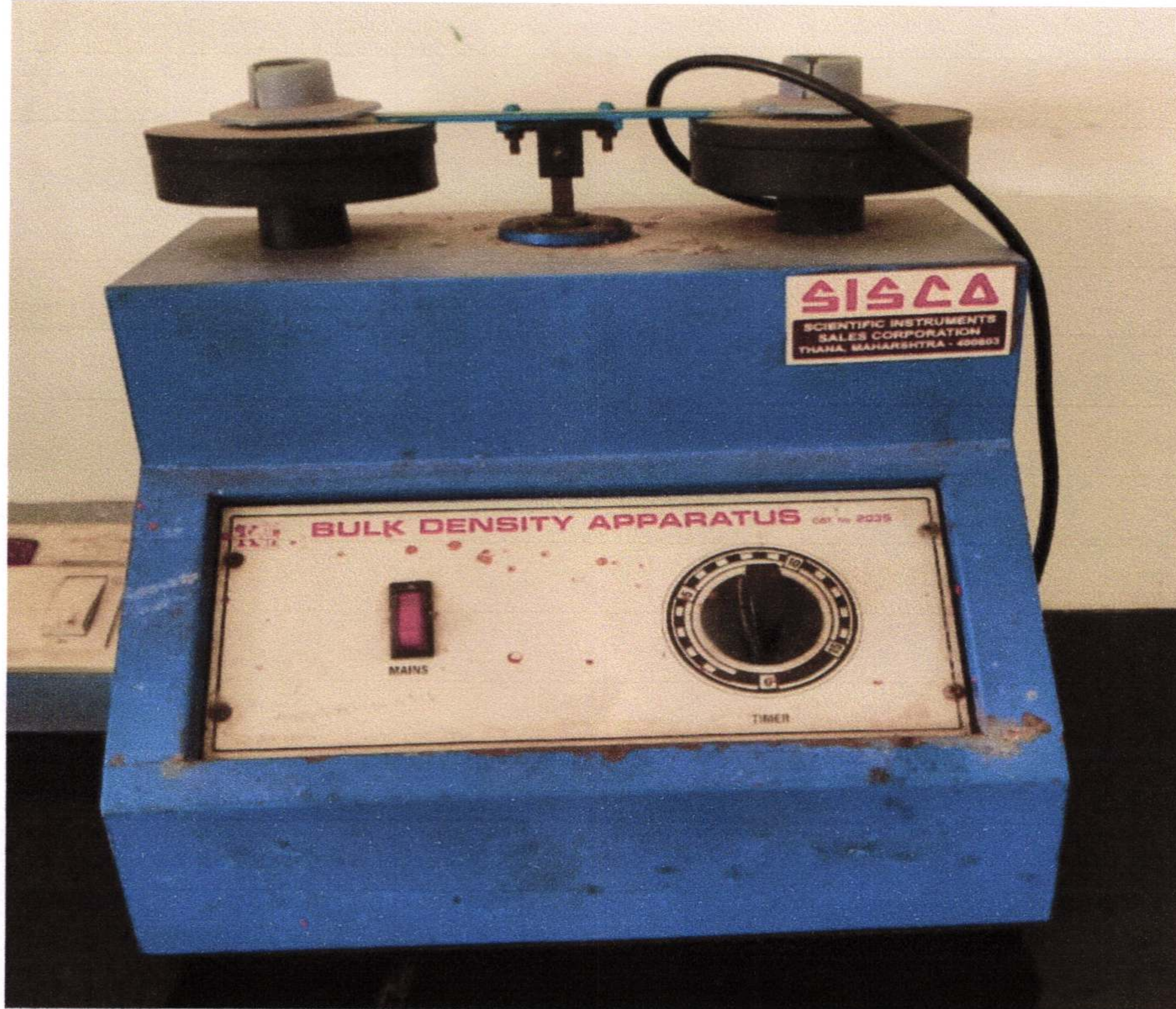
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**BULK DENSITY APPARATUS**



**DOUBLE CONE BLENDER**



*M Ne*

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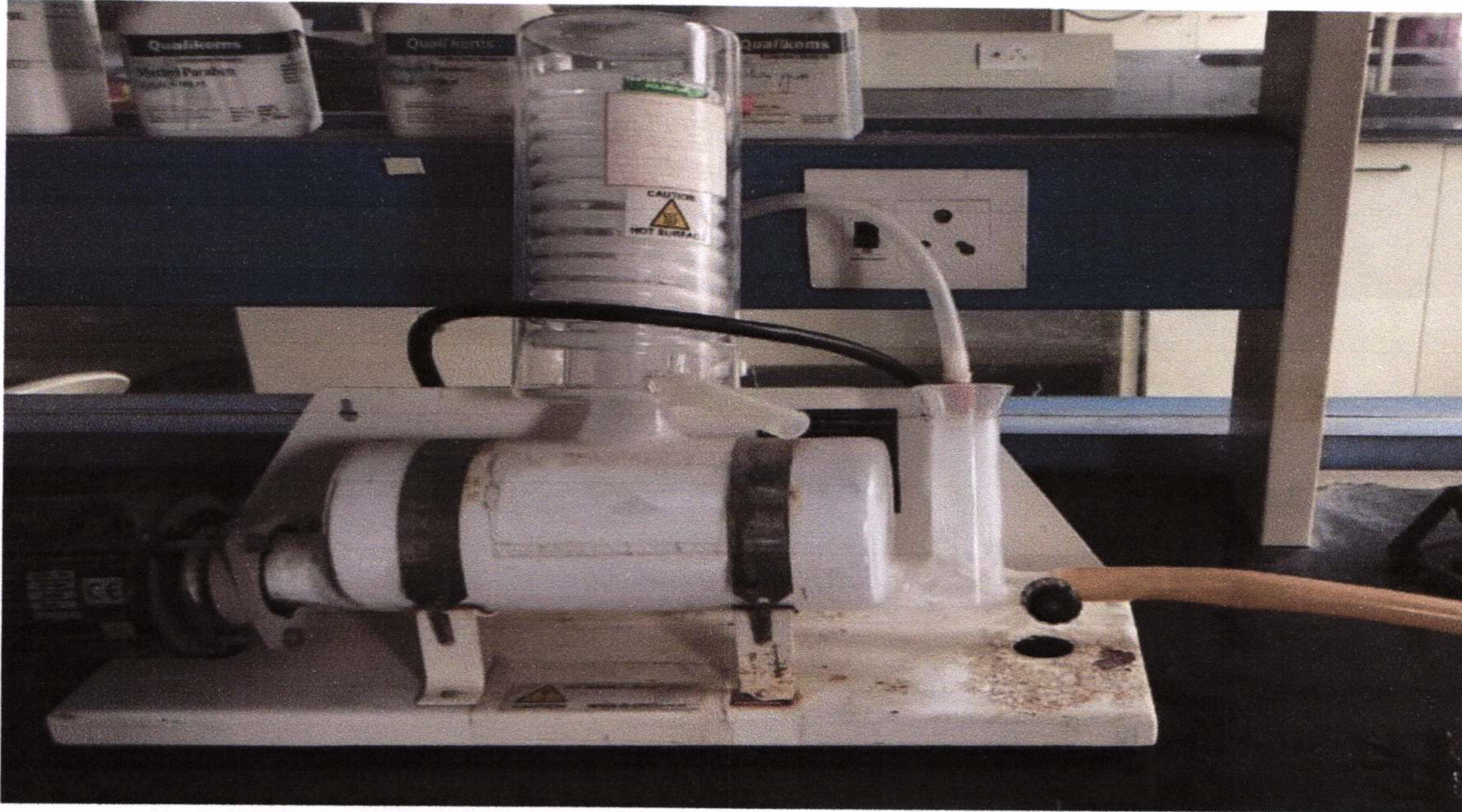


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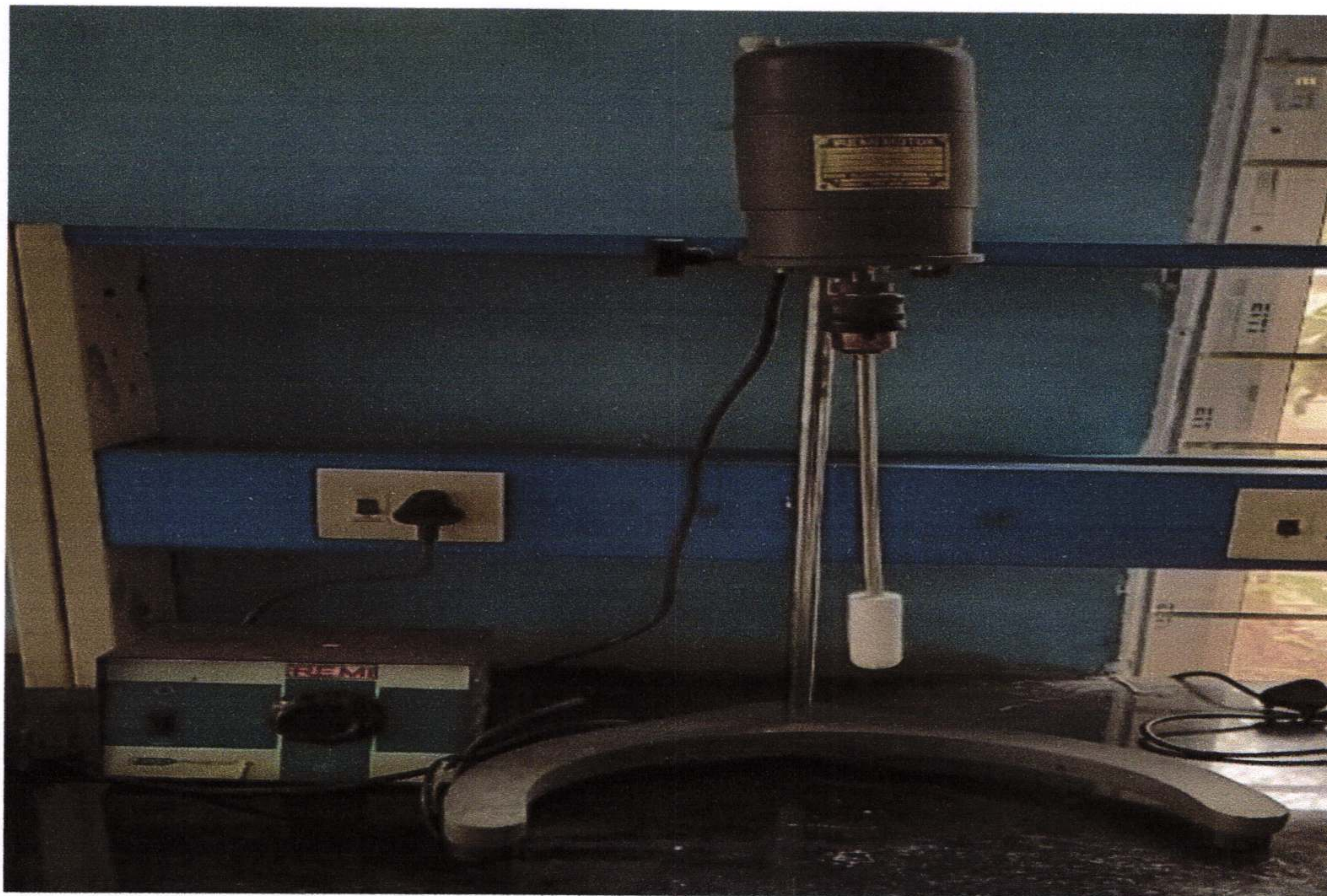
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**STEAM DISTILLATION**



**MIXER**



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**OINTMENT SEALING MACHINE**



**CYCLOMIXER**



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**HOTPLATE MAGNETIC STIRRER**



**MICRO CENTRIFUGE**



*M. R.*

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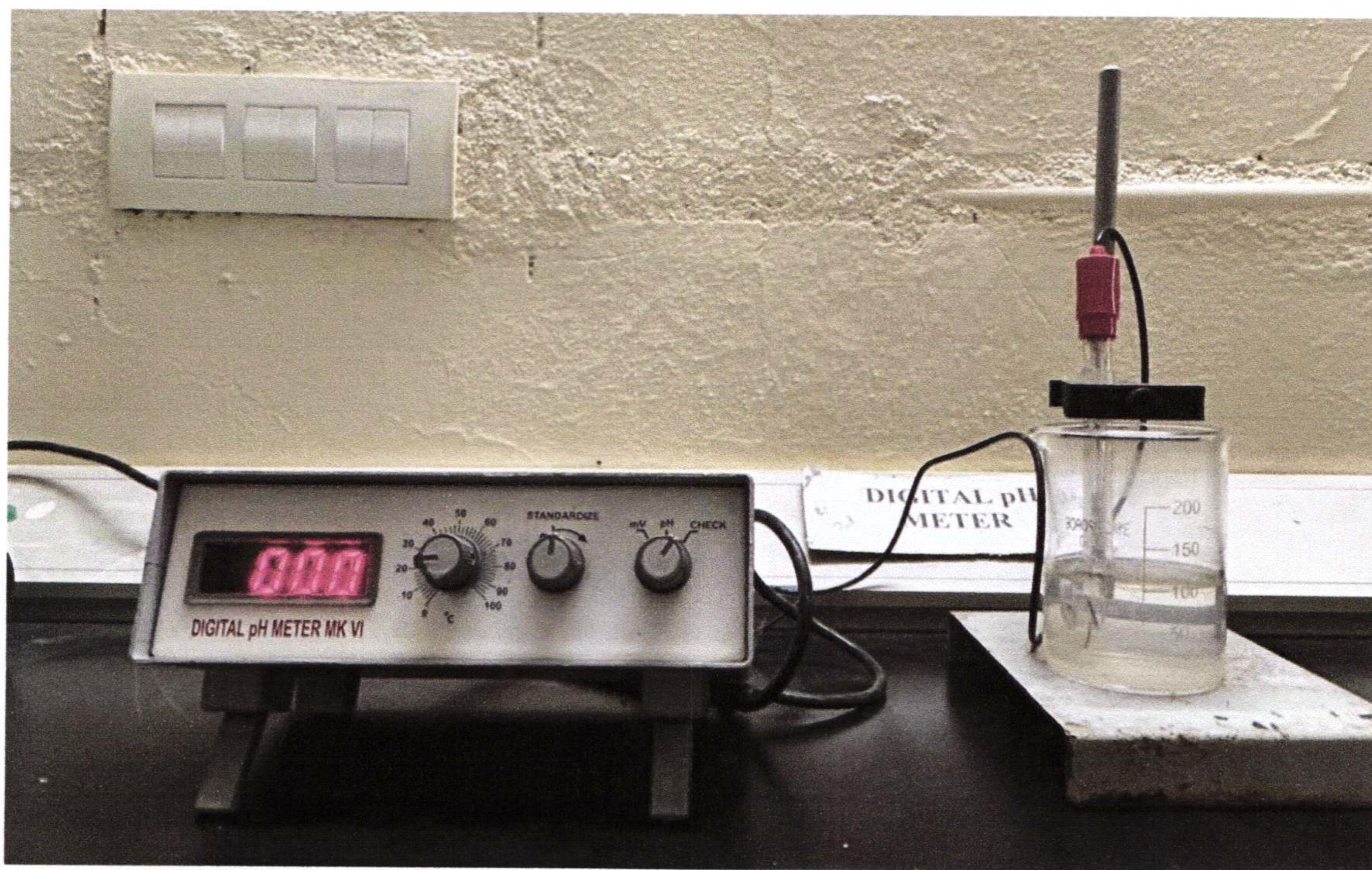
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**CENTRIFUGE**



**DIGITAL pH METER**



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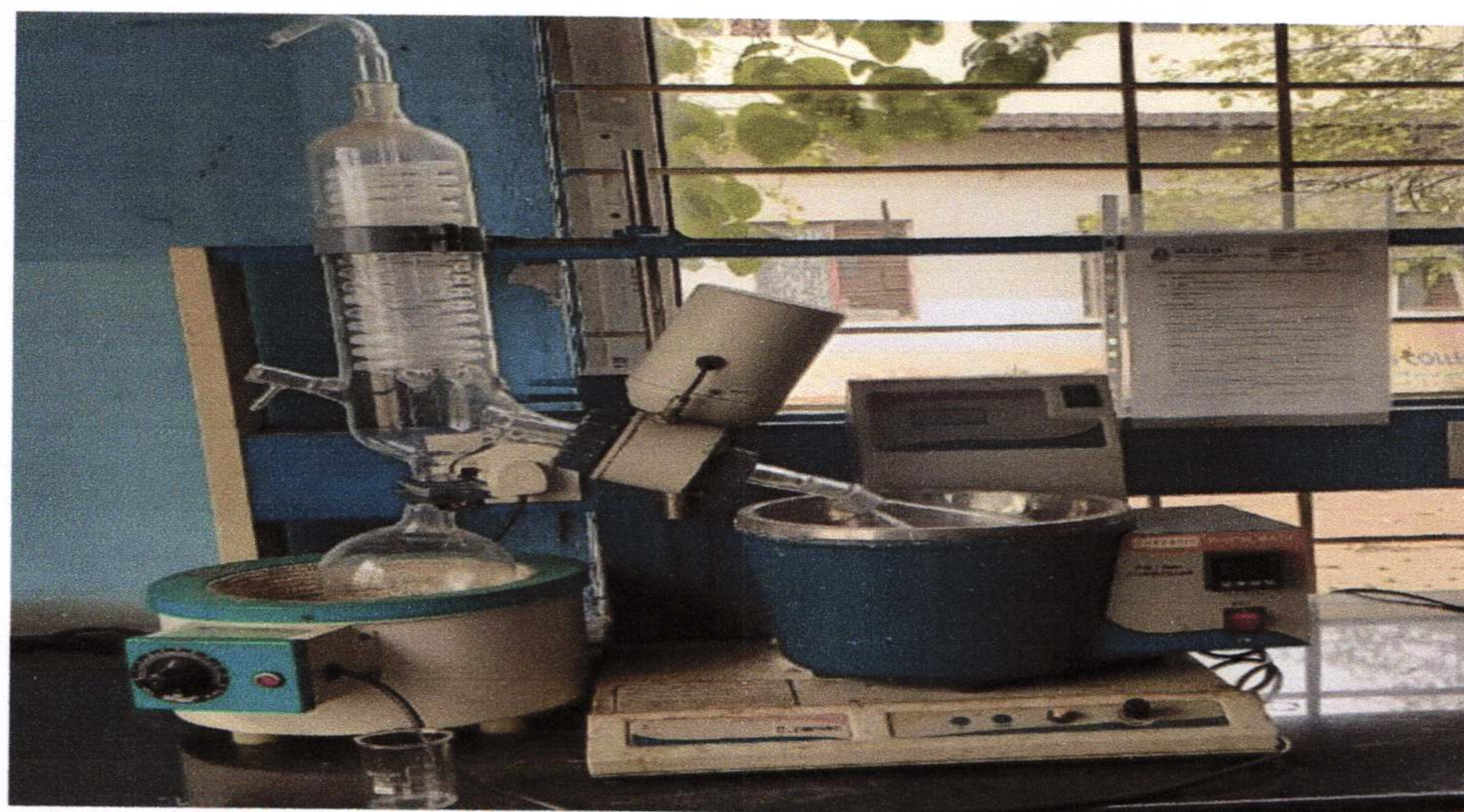
# VAAGDEVI INSTITUTE OF PHARMACEUTICAL SCIENCES

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**MAGNETIC STIRRER**



**ROTARY EVAPORATOR**



*H. N. S.*

**Principal**

Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005.

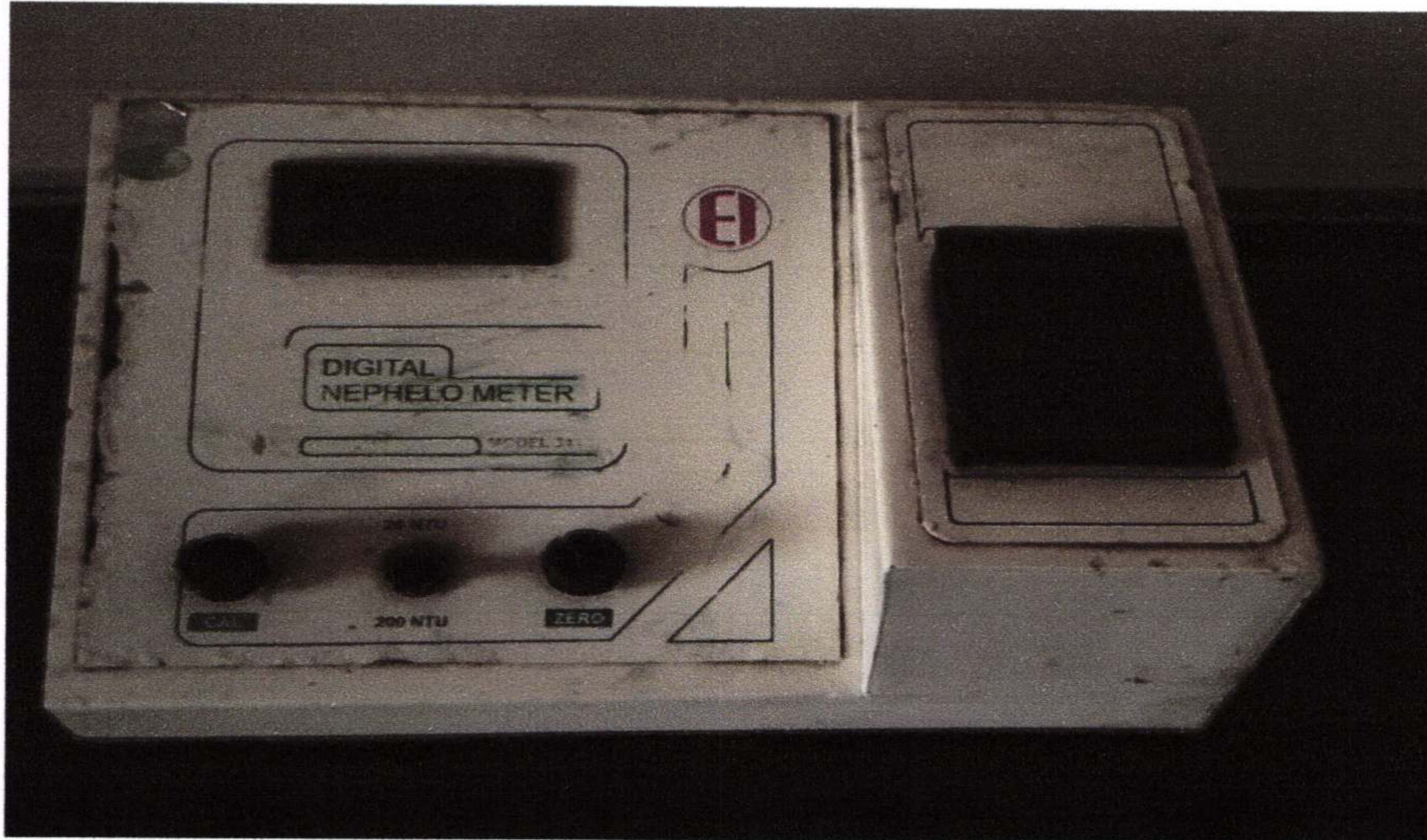


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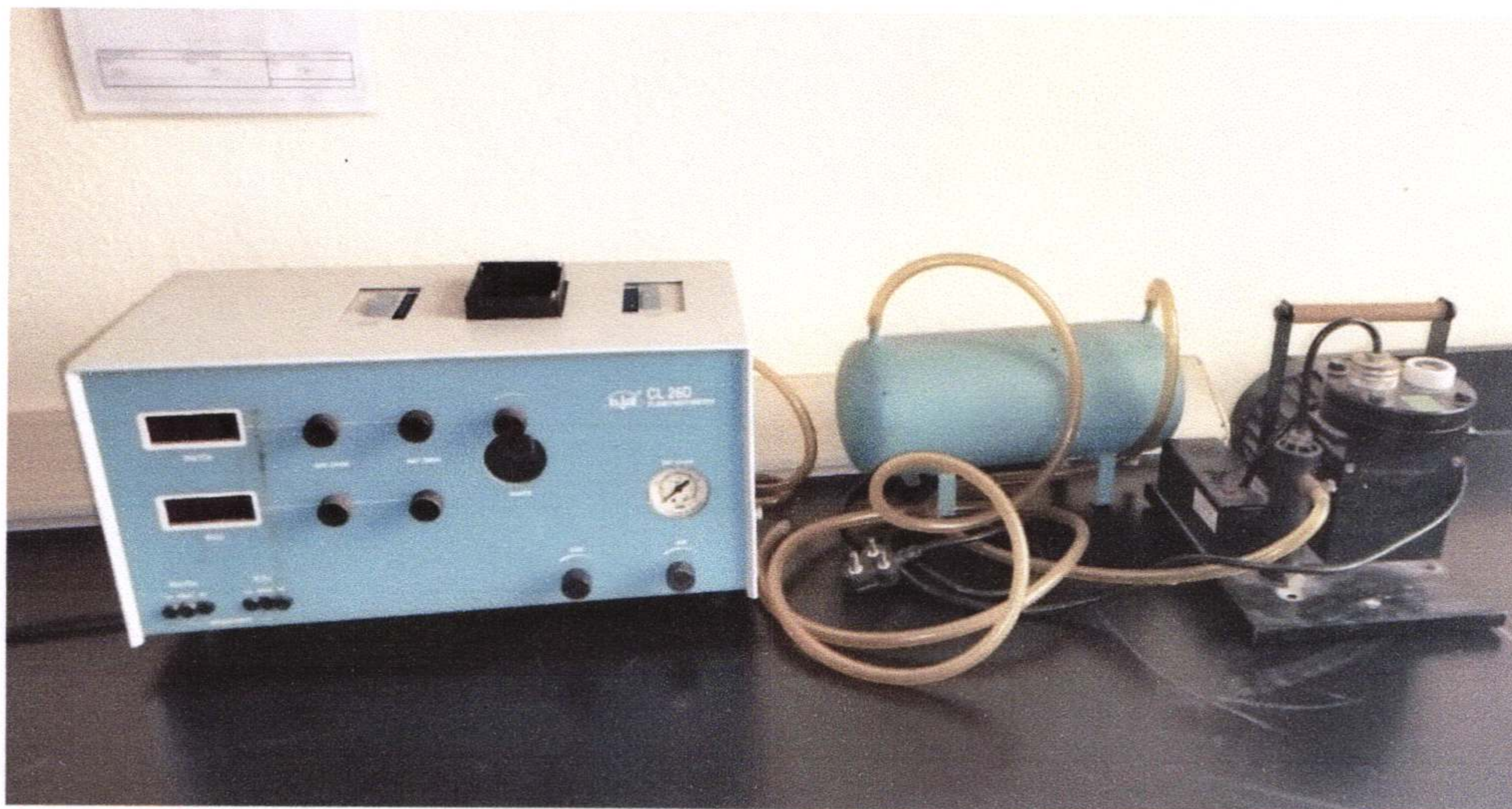
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**DIGITAL NEPHELO METER**



**FLAME PHOTOMETER**



**Principal**  
Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005.





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**DIGITAL NEPHELO TURBIDITY METER**



**ROTA ROD APPARATUS**



**Principal**  
Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005.

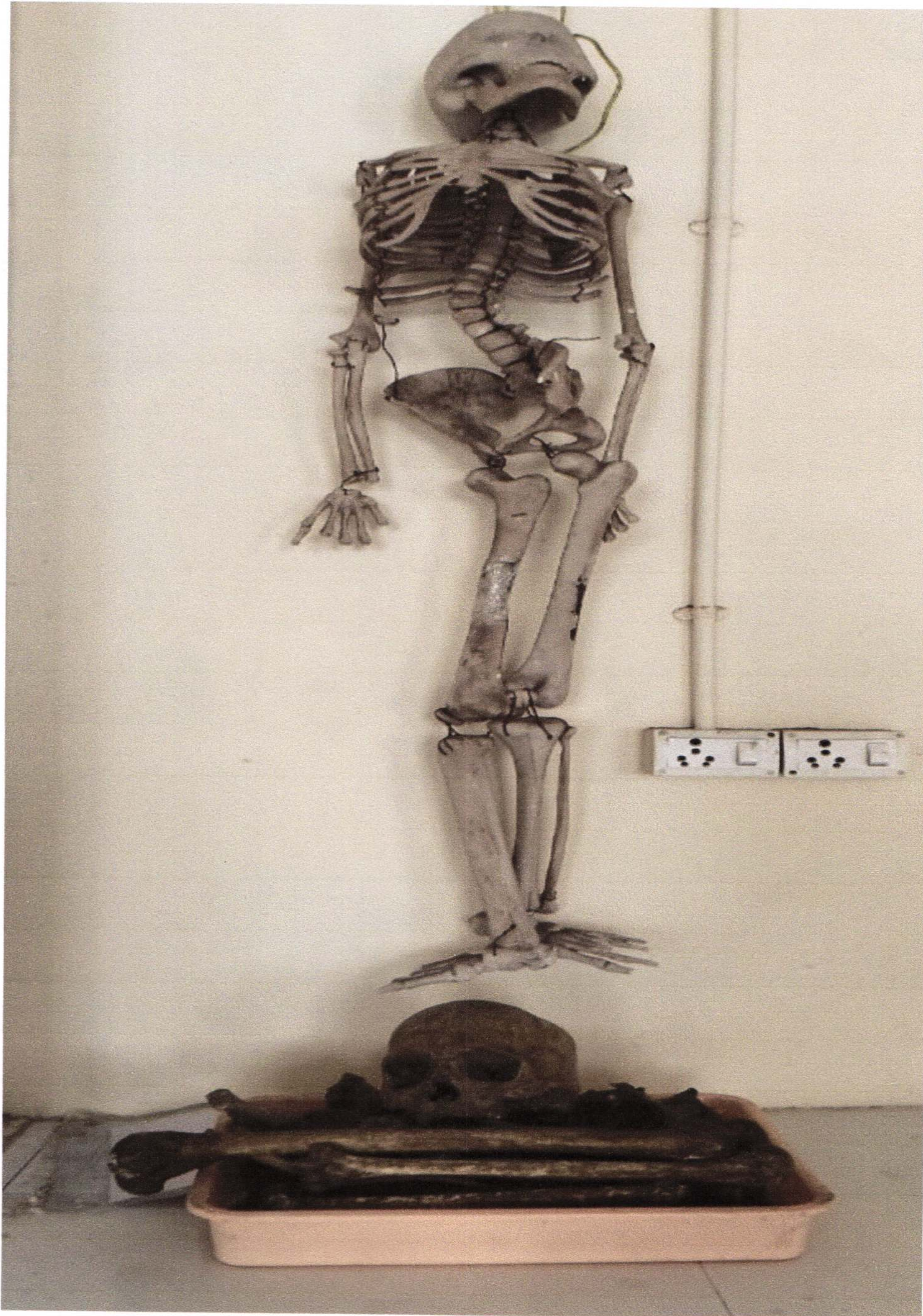


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**SKELETAL SYSTEM**



**Principal**  
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**THERMOSTATIC WATERBATH**



**Principal**  
Vaagdevi Institute of Pharmaceutical Sciences  
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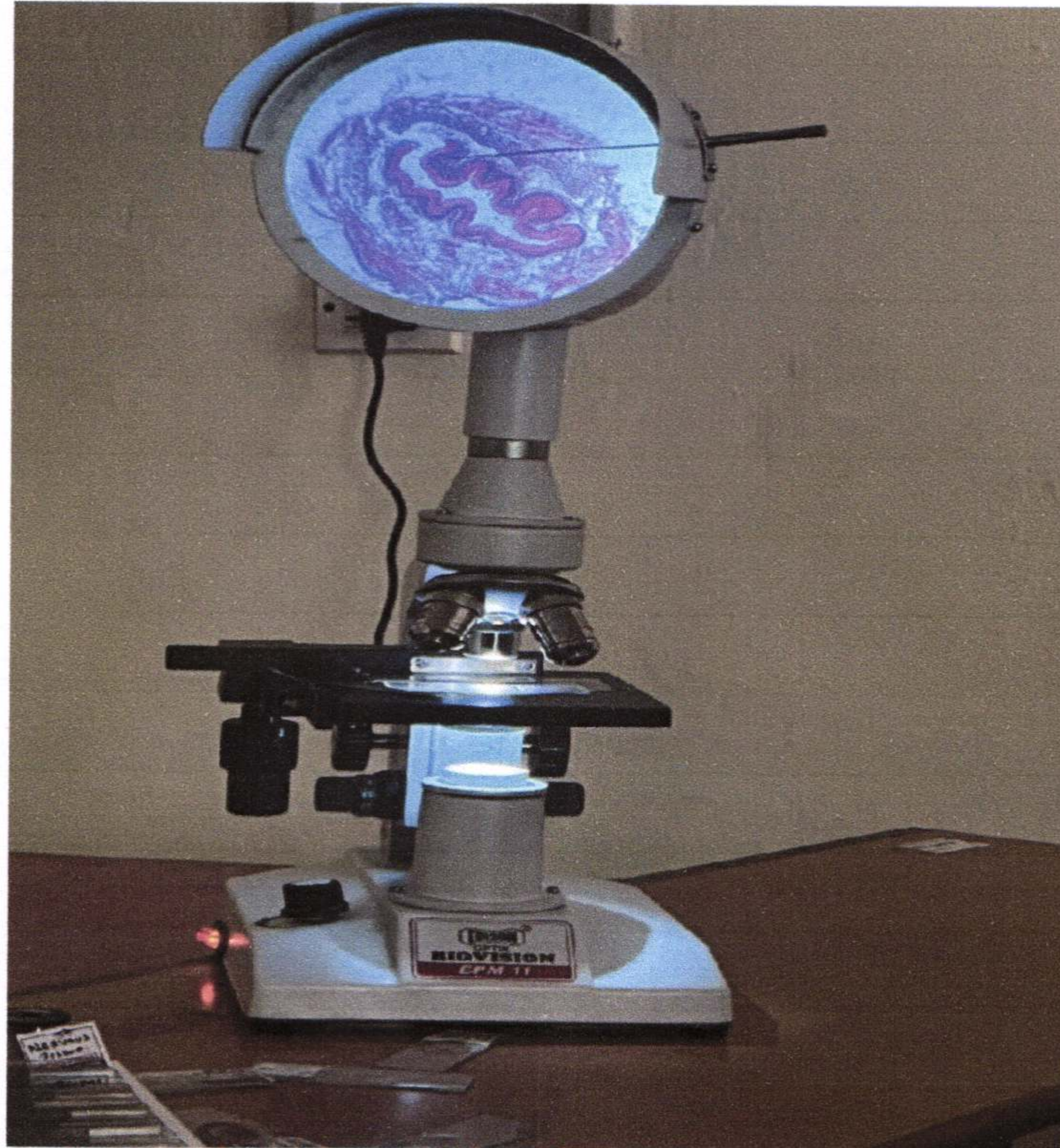


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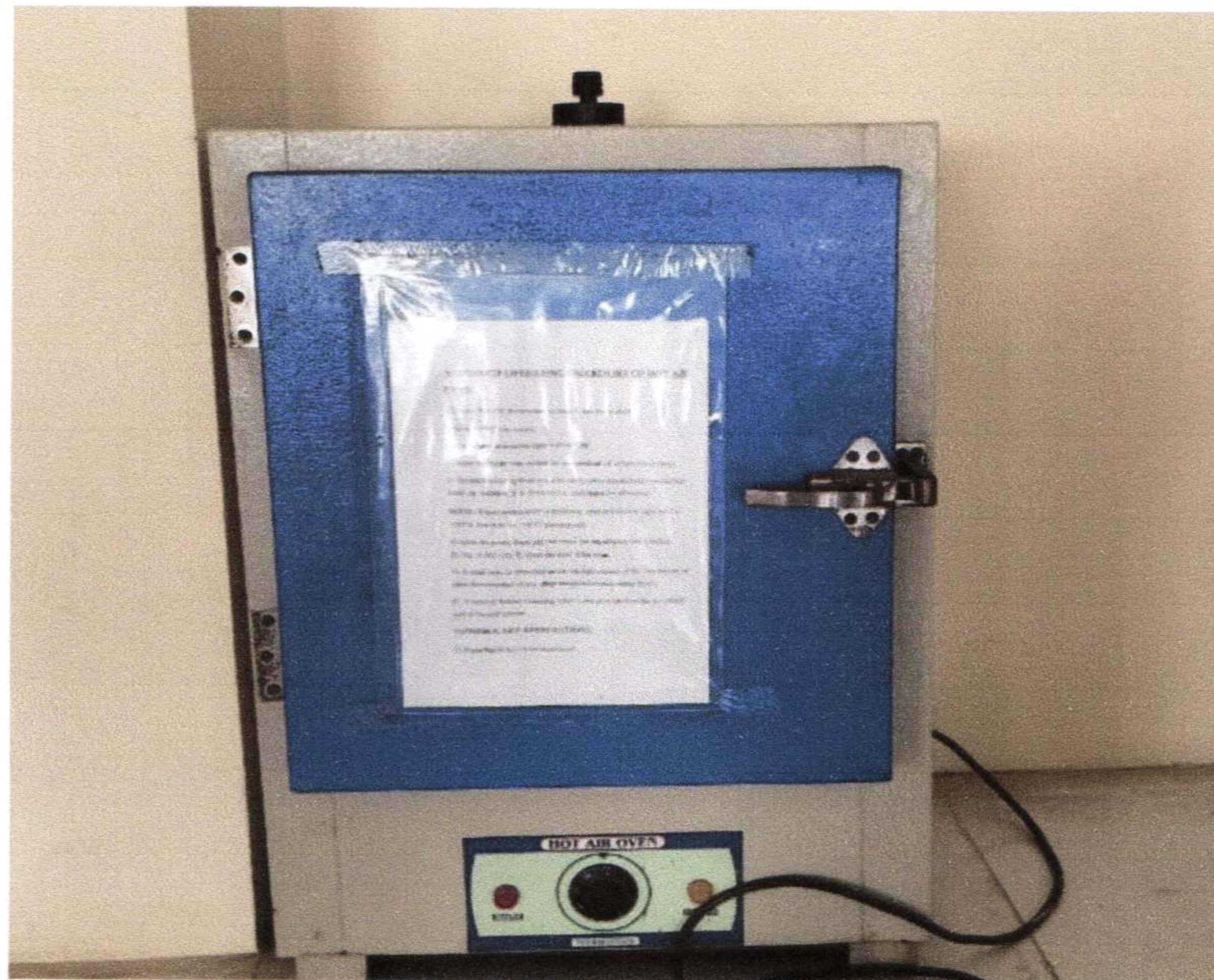
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**PROJECTION MICROSCOPE**



**HOT AIR OVEN**



  
**Principal**  
Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005.

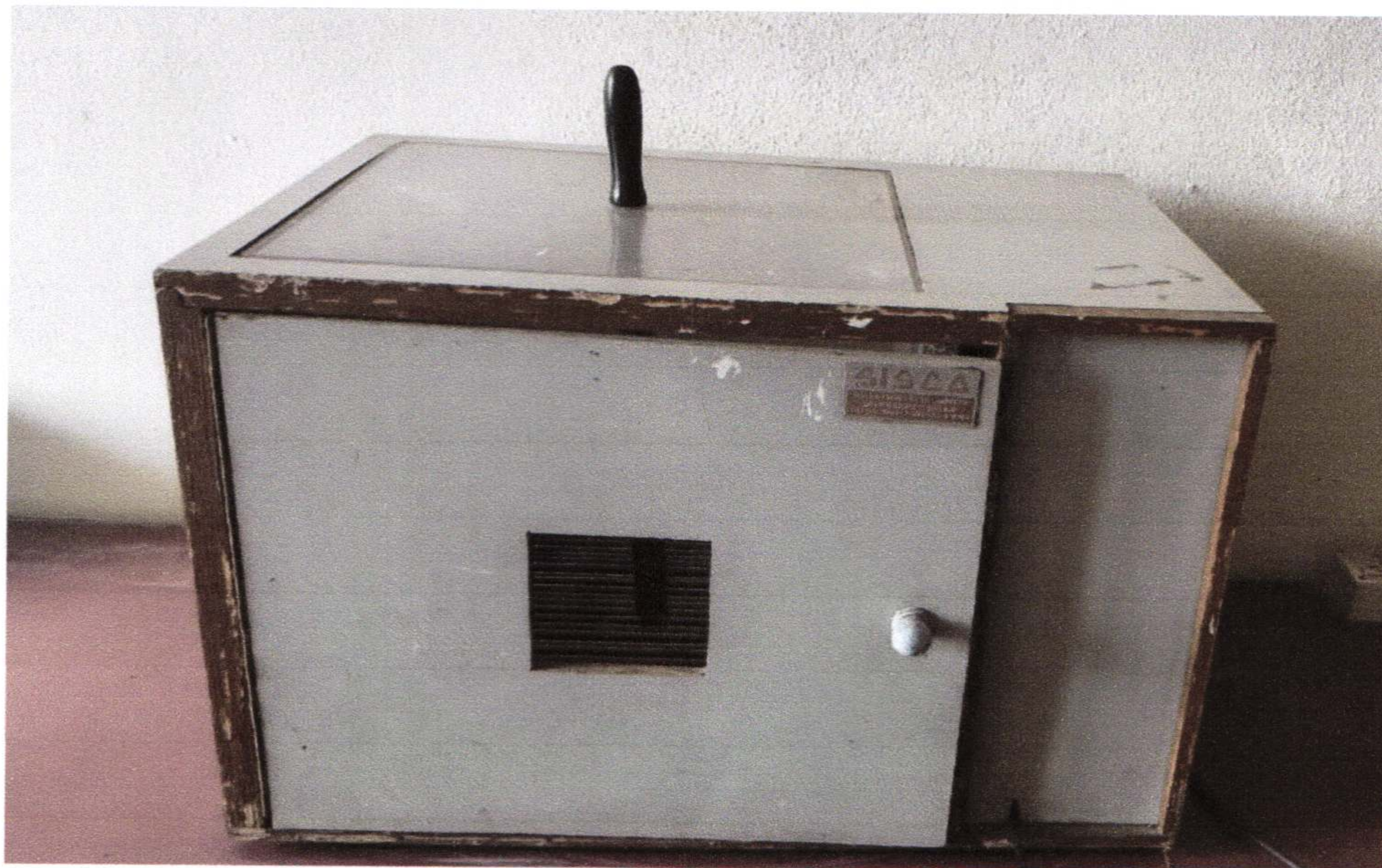


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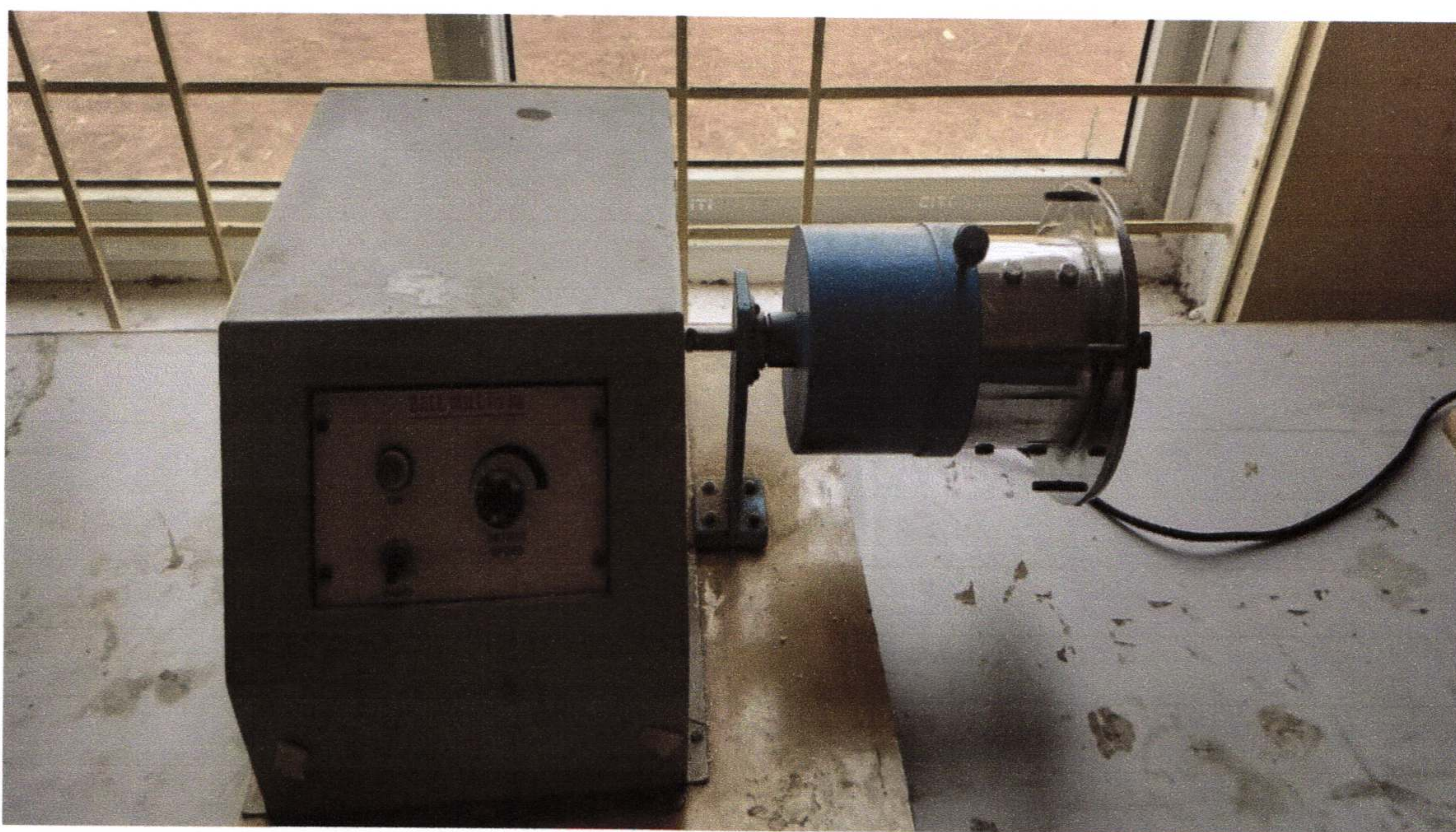
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**POLE CLIMBING APPARATUS**



**BALL MILL**



*H N*

Principal  
Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005.



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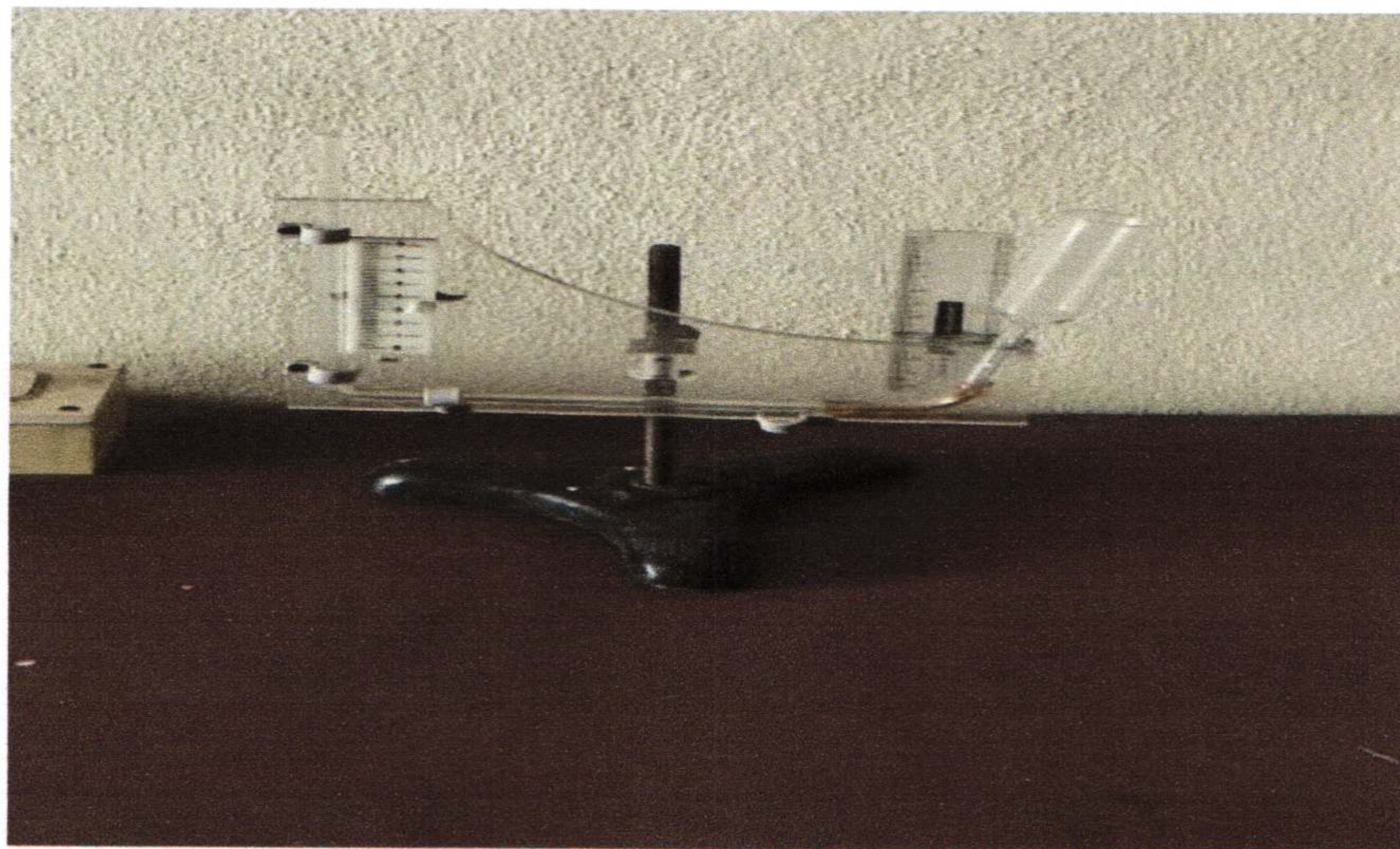
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**TRY DRYER**



**PLETHYSMOMETER**



Principal  
Vaagdevi Institute of Pharmaceutical Sciences  
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**HISTAMINE CHAMBER**



**Principal**  
Vaagdevi Institute of Pharmaceutical Sciences  
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**ACTOPHOTOMETER**



**ELECTRONIC STIMULATOR**



**Principal**  
Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005





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P.O. BOLLIKUNTA, WARANGAL- 506 005 (Telangana State)



**SPIROMETER**



**COLORIMETER**



*M. Anu*

**Principal**  
Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005.



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**MELTING POINT APPARATUS**



**HOTPLATE**



**Principal**  
Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005.



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P.O. BOLLIKUNTA, WARANGAL- 506 005 (Telangana State)



**DESSICATOR**



**CYCLOMIXER**



*M. K.*

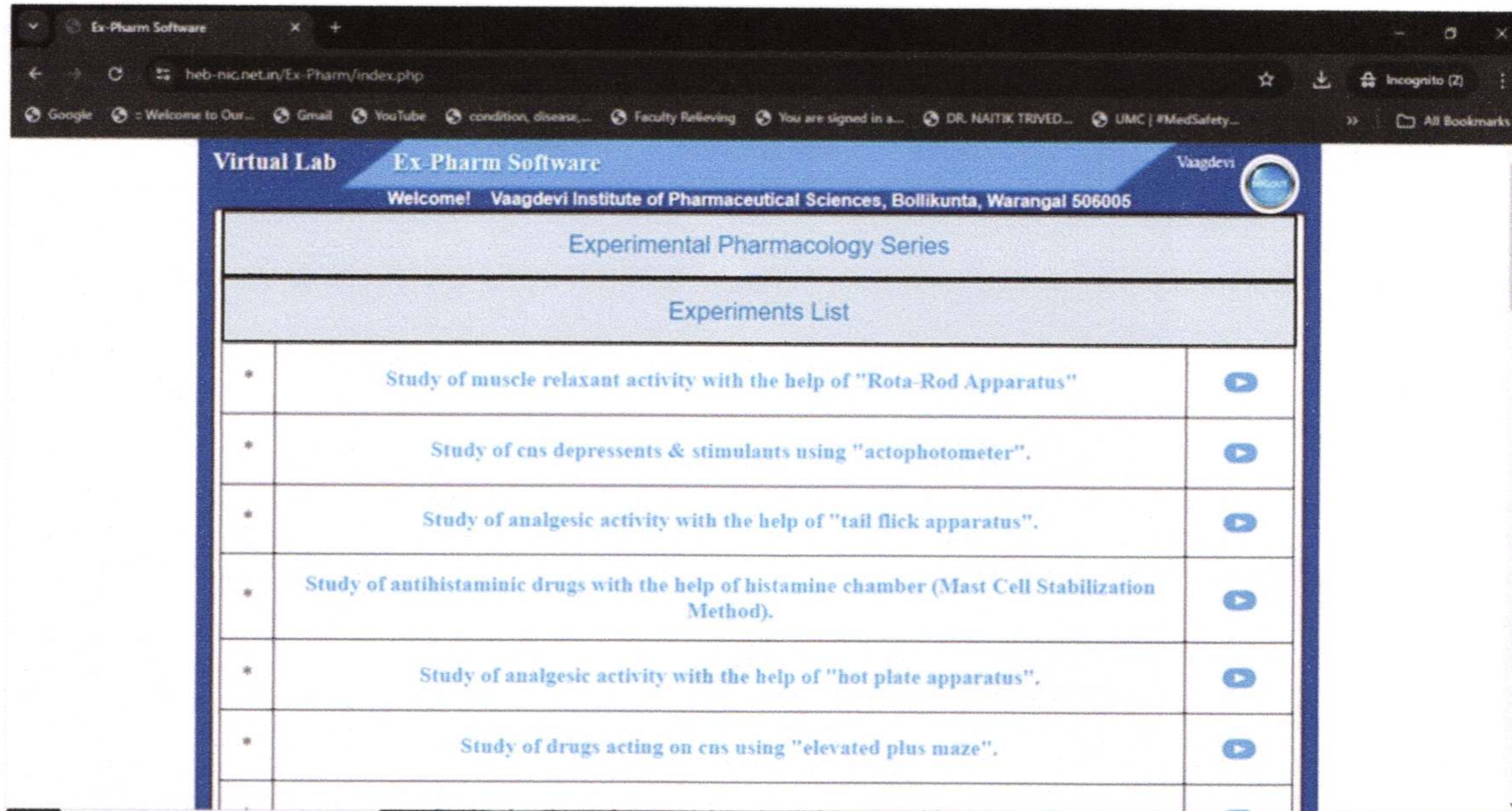
**Principal**  
Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005.



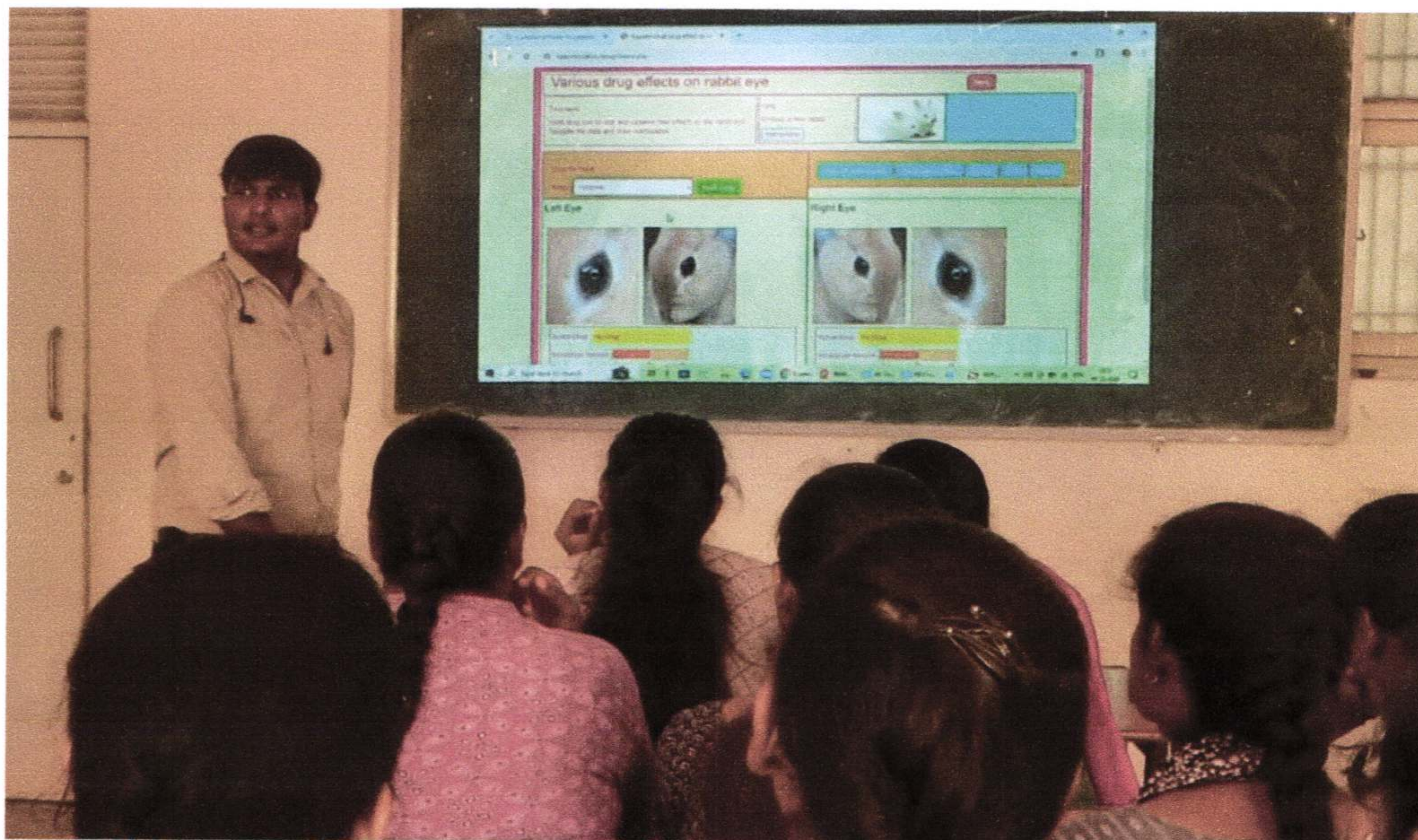
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## EX-PHARMA SOFTWARE



## FACULTY EXPLAINING EX-PHARMA SOFTWARE



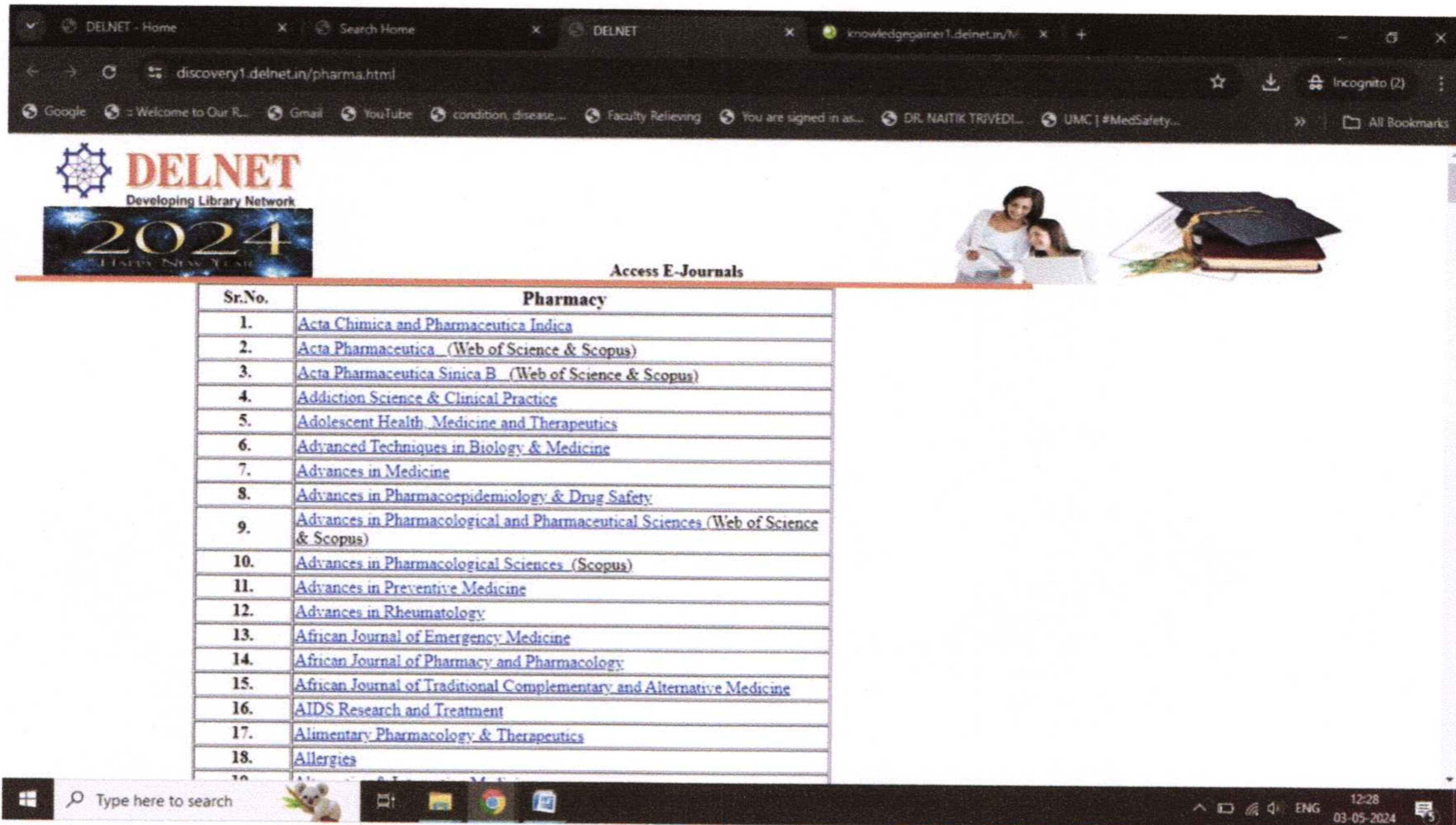
**Principal**  
Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005.



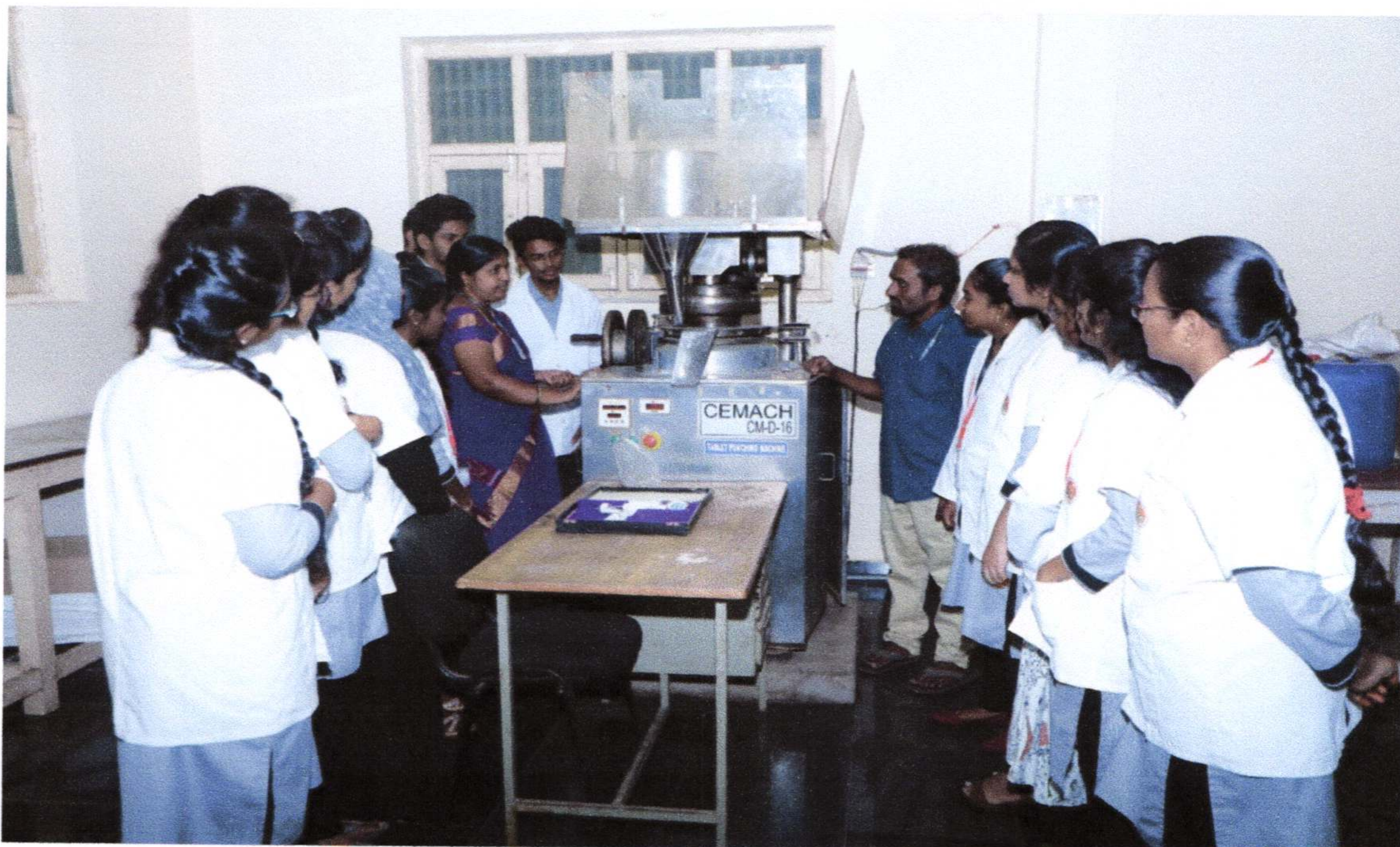
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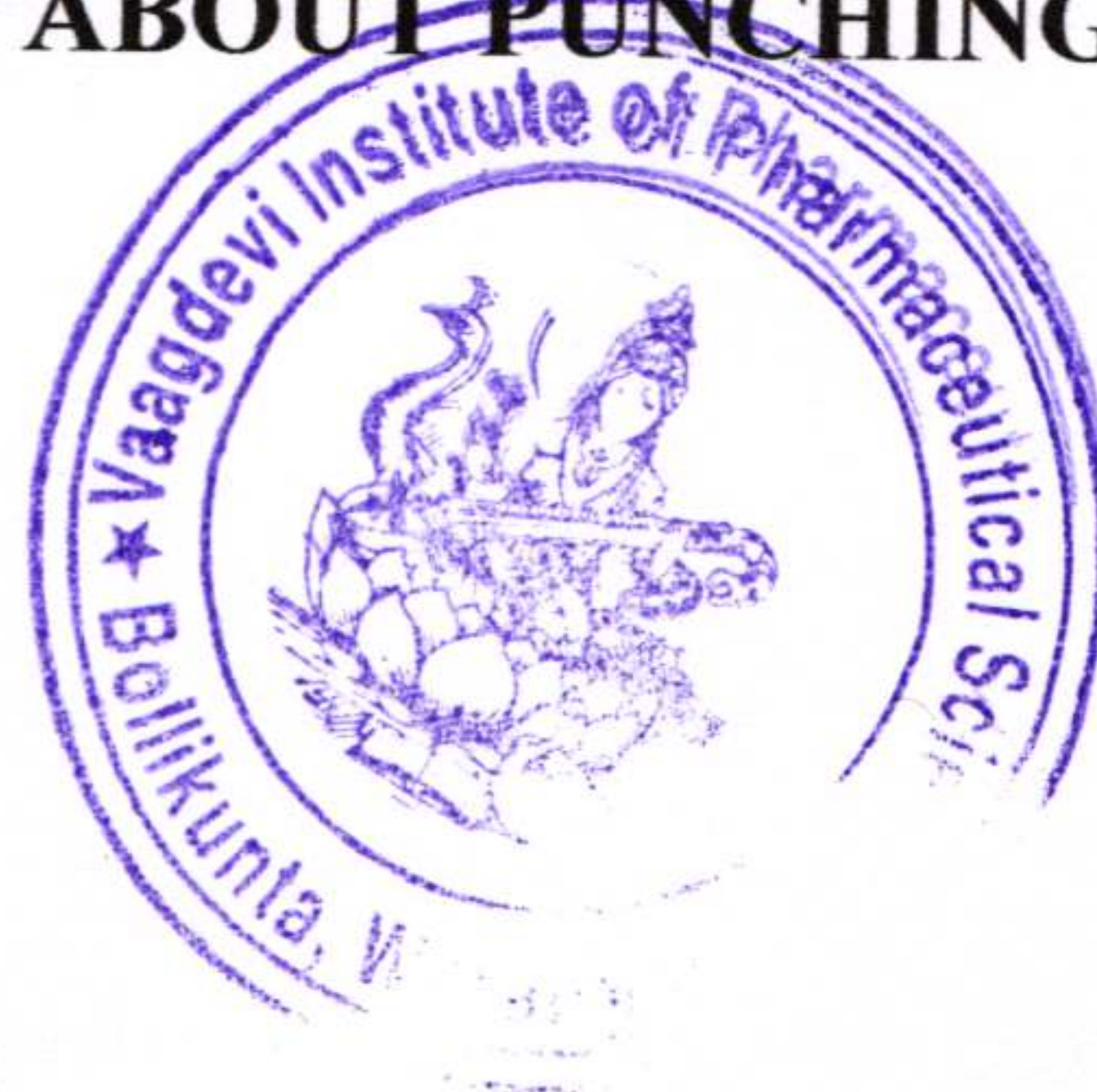
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## DELNET



FACULTY EXPLAIN ABOUT PUNCHING MACHINE



*M. N. S.*

**Principal**  
Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005.



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P.O. BOLLIKUNTA, WARANGAL- 506 005 (Telangana State)

### RESEARCH AND DEVELOPMENT POLICY

#### Research Policy

Academic institutions are expected to perform threefold activity which includes teaching research and extension. Research happens to be one of the pioneer aspects of academic activities which help the institution to achieve excellence in the field of education. It also includes the quality of learning and knowledge development. Research and developmental activities help to create and disseminate new avenues in knowledge, promote innovation and these will motivate better learning and teaching among faculties and students of Vaagdevi Institute of Pharmaceutical Sciences (VIPS).

Research is the foundation of knowledge that brings new energy, builds state of the art facilities, promotes research publications, develops collaborations and becomes part of active community that shares the mission objectives. Taking these into considerations, VIPS framed and implemented its Research Policy.

#### Purpose

The purpose of the Research Policy is to create a vibrant atmosphere of research among faculty and inculcate research aptitude among the students the policy shall serve as an overall framework within which research activities may be carried out. It also aims to identify thrust areas of research having social relevance and thereby supplementing the Vision and Mission of the college. The Research policy also emphasizes contribution towards society and to the nation at large.


#### Scope

This Research Policy forms the basics of the research ethics of the college and is implemented all the departments and it serve as the guidelines for the functioning of the Research council of the college.

#### Custodian of the Policy

The implementation and updating of the research policy are carried out by the Director, Research Council. The Research policy shall have a Research advisory Cell to function



  
Principal  
Vaagdevi Institute of Pharmaceutical Sciences  
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under the Principal, of Vaagdevi Institute of Pharmaceutical Sciences and to assist and advise in matters related to research within the college.

### Objectives of Research Policy

The Principal objectives of the Research Policy are as follows:

1. To encourage original quality basic and applied research in the fields Science, literature commerce and all related and other relevant fields.
2. To identify the emerging areas of research and encourage the faculty members to undertake research in these areas.
3. To establish linking with industries and business organizations to identify potential areas of research, surveys and her basic research enquiry.
4. To acquire Projects, market surveys and other research activities to acquire assistance from other business houses, industries, NGOs, boards and forums.
5. To identify faculty members who can work as leaders in the field of research and encourage them to undertake research projects, studies and surveys.
6. To provide financial assistance for publication of research papers and research findings.
7. To offer a suitable platform to the faculty members, scholars and students of to publish their research findings and encourage them to bring to the notice of society issues of contemporary importance.
8. To organize various workshops to develop appropriate research skills among the scholars and faculty members
9. To depute faculty members to various workshops, seminars and conferences in their respective fields as areas of contemporary importance.
10. To establish suitable infrastructure in the college that will help to undertake different research projects.
11. To enrich information and data resources suitable for undertaking quality research projects and enquires.
12. To undertake all other such activities which will inculcate research culture in the college.



*[Handwritten Signature]*  
PRINCIPAL

Principal  
Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005.



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### ENTREPRENEURSHIP AND DEVELOPMENT CELL

Conducting guest lectures and training programmes by various eminent personalities from industry and academics

#### OBJECTIVES

1. To Design, Development and maintenance of College Website.
2. To provide monetary assistance & entrepreneurial strategy for opening of New Pharmacy (sales outlets).
3. To provide assistance in getting various Government Grants.

#### ROLE AND RESPONSIBILITIES

1. To organise Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes and Faculty Development Programmes in the region for the benefit of S&T persons.
2. To develop and introduce curriculum on Entrepreneurship Development at various levels including degree/diploma courses of the parent institution and other institutes in the region.
3. To conduct research work and survey for identifying entrepreneurial opportunities (particularly in S&T areas and service sector).

#### ENTREPRENEURSHIP AND DEVELOPMENT CELL MEMBERS

Name	Designation	Position	Department
Dr. M. Radhakishan	Professor	Chairman	Pharmaceutics
Ms. S. Harika	Assistant Professor	Member-Secretary	Pharmaceutics
Mrs. G. Susritha	Assistant Professor	Member	Pharmaceutics
Ms. Rahematunnisa	Assistant Professor	Member	Pharmacology
Mr. G. Surender Reddy	Assistant Professor	Member	Pharmaceutics
Ms. J. Kavya	Assistant Professor	Member	Pharmaceutical Analysis



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Vaagdevi Institute of pharmaceutical sciences recognizes that better interaction between institutions and industry very essential. With the advent of globalization and opening up of Indian economy to the outside world, competition among industries has become large.

The team consists of faculties from each department lead by Dr. M. Radha Kishan, Professor, who has good industrial experience also. Student coordinators who represent every year of each department also are a part of the IIIC team.

**OBJECTIVES**

1. Identify and reward innovations and share success stories.
2. Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
3. Network with peers and national entrepreneurship development organizations.

**Roles and Responsibilities:**

1. Arranging visits of staff members to various industry.
2. Professional consultancy by our faculty to industries.
3. Inviting executives and practicing pharmacists from leading industries to our Institute for overseeing research work and laboratories, discussions and delivering lectures on industrial practices, trends and experiences.
4. Industrial testing by faculty & technicians at site or in laboratory.
5. To create awareness about the job functions in the industry.
6. To create attitudes in students to adapt to industrial environment.
7. To impart proper practical and relevant knowledge and skills.
8. To improve capabilities to become self-employed.

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<b>Name</b>	<b>Designation</b>	<b>Position</b>	<b>Department</b>
Dr. M. Radhakishan	Professor	Chairman	Pharmaceutics
Ms. S. Harika	Assistant Professor	Member-Secretary	Pharmaceutics
Dr. G. Sruthi	Assistant Professor	Member	Pharm.D
Ms. J. Kavya	Assistant Professor	Member	Pharmaceutical Analysis
Ms. G. Sravani	Student Member	Student Member	Pharmacy
Ms. K Sriharsha	Student Member	Student Member	Pharmacy
Ms. M. Bhargavi	Student Member	Student Member	Pharmacy

**VAAGDEVI INSTITUTE OF PHARMACEUTICAL SCIENCES***Affiliated to Kakatiya University. Approved by PCI-New Delhi, AICTE, New Delhi***P.O. BOLLIKUNTA, WARANGAL- 506 005 (Telangana State)****INTELLECTUAL PROPERTY RIGHTS**

The Intellectual property rights cell has been setup in the college, to promote awareness on intellectual property and to encourage students towards creation of Intellectual property rights.

Intellectual Property rights strive to encourage, creativity and innovation, which in turn leads to generation of Intellectual property. Protection of Intellectual Property so generated is necessary to provide security, stimulation and incentives for sustained and enhanced output. The IPR Cell is constantly striving towards strengthening linkage with organizations to leverage its registered design further.

**Objectives**

1. To promote academic freedom and safeguard the interests of inventor in creation and commercialization of intellectual property with legal support wherever necessary.
2. To create an environment for acquiring new knowledge through innovation, develop an attitude of prudent IP management practices and promote an IPR culture compatible with the educational mission of the institute.

**Roles and Responsibilities**

1. To work in co-ordination with cell formulated.
2. To promote constant awareness about IPR.
3. To engage in conduct IP workshop/ Seminars.
4. To advice and guide students and faculty on the importance of IPR with the help of authorized patent anatomy.
5. To participate in/ arrange periodic meetings of faculty members, to conduct development programs.
6. Increasing IP awareness among faculty, staff & students within the institute.
7. Managing and protection of the institutional IP through patenting and other IP forms.
8. To encourage faculty staff and students towards object-oriented research at institute level.
9. To fill gap between industry and academic institute in terms of IP utilization and commercialization.

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10. Provision of legal counsel in terms of IP issues and policy matters to institute faculty and students who involved in research.
11. To pursue for MOUs with industries with knowledge sharing.

**COMMITTEE MEMBERS**

<b>Name</b>	<b>Designation</b>	<b>Position</b>	<b>Department</b>
Dr. M. Radhakishan	Professor	Chairman	Pharmaceutics
Dr. Ch. Kishore	Associate Professor	Member-Secretary	Pharmaceutics
Mrs. B. Sharanya	Associate Professor	Member	Pharmaceutics
Mrs. N. Anusha	Assistant Professor	Member	Pharmaceutics
Mr. Ch. Sumanth	Assistant Professor	Member	Pharmaceutical Analysis



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P.O. BOLLIKUNTA, WARANGAL- 506 005 (Telangana State)

Speed Post/ E-mail

F. No.25/81/2012 – AWD

Government of India

Ministry of Environment, Forest & Climate Change

(Animal Welfare Division)

O/o Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA)

\*\*\*\*\*

5<sup>th</sup> Floor, Vayu Block, Indira Paryavaran Bhawan  
Jor Bagh Road, New Delhi-110 003

18/07/2016

To

Dr. Y. Madhusudan Rao  
Chairman, IAEC,  
Vaagdevi Pharmacy College,  
P.O. Bollikunta, Warangal – 506005,  
Telangana.  
E-mail: [gadda\\_k@rediffmail.com](mailto:gadda_k@rediffmail.com)

Subject:- Merger of registration of Vaagdevi Institute of Pharmaceutical Sciences (1533/PO/a/11/CPCSEA) with Vaagdevi Pharmacy College, P.O. Bollikunta, Warangal-506005, Andhra Pradesh bearing registration no.(1663/PO/Re/S/2012/CPCSEA) – regarding.

Sir,

This is with reference to your letter on the above mentioned subject. It is to inform you that CPCSEA has approved your request for merger of registration No.1533/PO/a/11/CPCSEA with registration No. 1663/PO/Re/S/2012/CPCSEA.

2. In this regard, it is to inform you that the purpose of your registration will be 'Research for Education purpose on small animals'.

3. Your new registration No. is 1663/PO/Re/S/2012/CPCSEA. Henceforth, the new registration number may be quoted in all your future correspondence with this office.

4. In addition, this is to inform you that online processes of Renewal of registration, Reconstitution of IAECs, Revision of IAECs, submission of minutes of IAEC meeting and submission of Annual Inspection Reports by the concerned nominee(s) of the establishment are being made effective. Establishments need not send hard copies of documents for the above processes. Fees as per the revised fee structure (copy enclosed) will be accepted only through online payment.

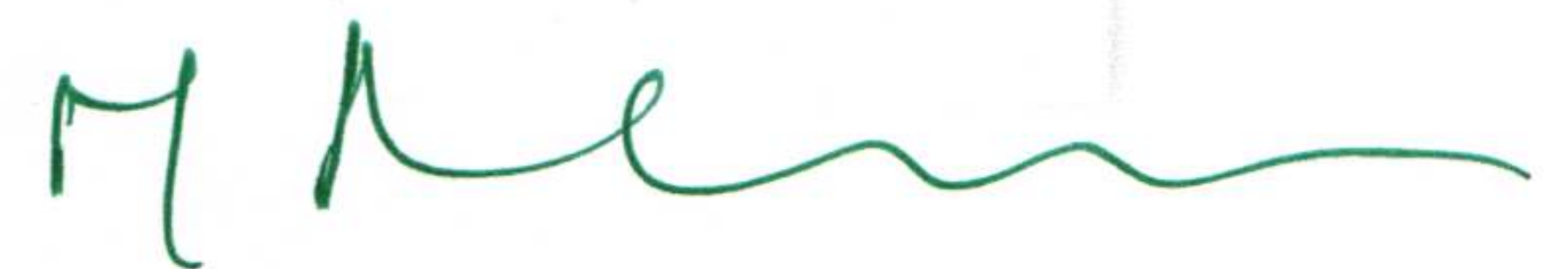
Encl.: As above.

Yours faithfully,

  
(S. Gowri Shankar)

Dy. Secretary (AW) & Member-Secretary (CPCSEA)





**Principal**

Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005



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P.O. BOLLIKUNTA, WARANGAL- 506 005 (Telangana State)

No: 25/81/2012-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: 15/12/2021

To,

Dr. G. Kamal Yadav, Chairperson, IAEC  
Vaagdevi Pharmacy College,  
P.O. Bollikunta, Warangal-506005, Telangana  
Email: gaddak70@gmail.com  
Mobile: 7799096969

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

Sir,

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 new registration number of Animal House Facility of your establishment is **1663/PO/Re/S/12/CPCSEA for Research for Education purpose on small animals**. Henceforth, the new registration number may kindly be quoted in all your future correspondence with this office.

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

Name of the IAEC Members	Designation in IAEC
1) Dr. G. Kamal Yadav	Biological Scientist, Chairperson
2) Dr. T. Ravi Chander	Scientist from different biological discipline, Member Secretary
3) Prof. G. Benarjee	Scientist from different biological discipline
4) Dr. A. Venu	Veterinarian
5) Dr. Thirupathi Gorre	Scientist In-charge of Animal House Facility

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. Manish Kumar Thimmaraju H.No. 2-7-974, Kanaka Durga Colony, Hanamkonda, Warangal, Telangana - 506370 Contact No :9966463586, 8886520055 Email :manishcancer@gmail.com	Main Nominee
2) Dr. Mahender Vatipelli # 1-214, Konapuram, Chennarao Pet, Warangal, Telangana - 506332 Contact No :0870-2567304 Email :mahi.reddy125@gmail.com	Link Nominee

Contd...



*M N*  
**Principal**  
Vaagdevi Institute of Pharmaceutical Sciences  
Bollikunta, Warangal, Telangana 506 005.



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-2-

3) Dr. Korra Parushuram Naik H. Np. 2-10-904, Bank Colony, Subedari, Hanamkonda, Warangal - 506370, Telangana Contact No :9490456900 Email :kprnaik2k10@gmail.com	Scientist from outside the Institute
4) Dr. G. Sandeep H.NO. 15-11-176, Ramannapet, Warangal - 506002, Telangana Contact No :8686888891 Email :sandy4953@gmail.com	Socially Aware Nominee

(Please note that any change in IAEC members can be made only with prior approval of CPCSEA.)

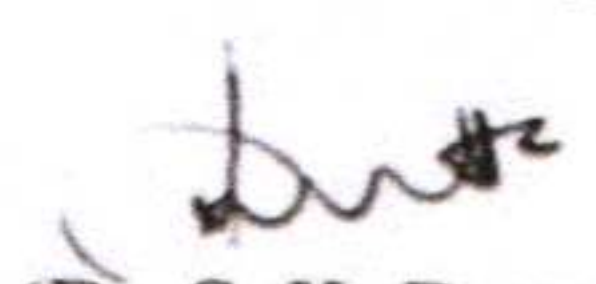
5. The IAEC is valid for a period of five years and is coterminous with renewed period of registration. IAEC is required to be reconstituted at the time of renewal of registration as per CPCSEA guidelines.

6. You are requested to convene the meeting of the re-constituted IAEC within a period of 30 days and upload the same on the website of the CPCSEA.

7. It is stated that only above approved IAEC members shall sign, with date, on the attendance sheet of the IAEC meetings, and decisions will be taken only in meetings where quorum is complete. The quorum for holding IAEC meeting is six (6), and Main Nominee, Scientist from outside of the Institute and socially aware must be present in such meetings. Link Nominee can attend in case main nominee conveys his unavailability in writing to the chairman IAEC. Any decision taken in the meetings of IAEC without quorum shall be considered invalid.

8. It is also to inform you that before commencing any research on large animals you are required to send research protocols with due recommendation of IAEC to CPCSEA for further approval (procedure for submission of Research Protocols is available on the website of CPCSEA).

Yours Sincerely,

  
(Dr. S. K. Dutta)

Member Secretary (CPCSEA)

Copy for necessary action to: Nominees of CPCSEA.

The Main Nominee is requested to ensure that the IAEC meetings are held regularly as stipulated in the SOP of CPCSEA and submit the Annual Inspection Reports of the Animal House Facility regularly on the Website of CPCSEA.


  
**Principal**  
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Viswambhara Educational Society

## VAAGDEVI INSTITUTE OF PHARMACEUTICAL SCIENCES

Affiliated to Kakatiya University, Approved by PCI-New Delhi, AICTE, New Delhi

P.O. BOLLIKUNTA, WARANGAL- 506 005 (Telangana State)

### INSTITUTIONAL ANIMAL ETHICAL COMMITTEE MEMBERS (IAEC)

S. No	Name of the IAEC Member	Designation in IAEC
1	Dr. G. Kamal Yadav	Biological Scientist, Chairperson
2	Dr. T. Ravi Chander	Scientist from different biological discipline, Member Secretary
3	Prof. G. Benarjee	Scientist from different biological discipline
4	Dr. A. Venu	Veterinarian
5	Dr. Thirupathi Gorre	Scientist In-charge of Animal House Facility
6	Dr. T. Manish kumar	Main Nominee
7	Dr. V. Mahender	Link Nominee
8	Dr. K. Parushuram Naik	Scientist from outside of the Institute
9	Dr. G. Sandeep	Socially Aware Nominee



*[Handwritten signature]*

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Australian Government

IP Australia

## CERTIFICATE OF GRANT INNOVATION PATENT

**Patent number:** 2021106253

The Commissioner of Patents has granted the above patent on 24 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

**Name and address of patentee(s):**

Anil Kumar Garige of Department of Medicinal Chemistry, Jayamukhi Institute of Pharmaceutical Sciences, Narsampet Warangal Telangana 506332 India

Vijitha Chandupatla of Department of Pharmacognosy, Vaagdevi Institute of Pharmaceutical Sciences, Bollikunta Warangal Telangana 506005 India

Chandra Prakash Bayya of Department of Pharmaceutical Chemistry, Talla Padmavathi College of Pharmacy Warangal Telangana 506002 India

Chukkala Sampurna of Talla Padmavathi Pharmacy College Warangal Telangana 506002 India

**Title of invention:**

ISOLATION OF FLUORESCENT CHEMICAL COMPOUND FROM BANANA ASH

**Name of inventor(s):**

Garige, Anil Kumar; Chandupatla, Vijitha; Bayya, Chandra Prakash and Sampurna, Chukkala

**Term of Patent:**

Eight years from 20 August 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 24<sup>th</sup> day of November 2021

Commissioner of Patents

### PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



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