



# Anand College of Pharmacy

e-News Letter

## Pharma-Buzz

Edition - 6 (May - Dec 16)

### Dean's Message

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**Mr. Nitank Agarwal**  
**Mr. Pankaj Garg**



Finally in time to publish new edition of "Pharmabuzz" e-news letter at Anand College of Pharmacy. As the year 2016 is a history, and the New Year 2017 is just knocking at the door; a time to make new goals and genuine resolutions.

Year 2016 has seen a much of activity at Anand College of Pharmacy, right from two 'back to back' PCI inspections for B.Pharm and M.Pharm, apart from other hectic academic schedule, examinations, and extracurricular activities. All can be glimpsed from this new edition of e-news letter.

The year has been a roller coaster ride too, in terms of learning new things and absorbing new changes and challenges. I would heartily request all faculties and students to keep up to the new changing times. If you keep abreast of new updates in the field apart from general awareness of the problems facing mankind, there may emerge something new from the creative deliberation, which may pave the way to a research, a solution to some existing dilemma and much needed subsidy from the funding agencies. Research and innovation in teaching that is accommodating to students is the only way to prevent any stagnancy in the routine and enjoy what you are doing for living. So, let's concentrate on these two aspects, apart from other things, as we usher into New Year 2017. College needs it.

Wish you all, a good health as wealth, bliss; and a very Happy New Year 2017.

Thank you,

Dr. Kashmira J. Gohil  
Dean, ACP

## FRESHER'S PARTY 2016

- ❑ A fresher's party was organized on 14<sup>th</sup> September by Anand College of Pharmacy at Raman Hall.
- ❑ The inaugurate and welcome address were by Dr. Kashmira J. Gohil, Dean, Anand College of Pharmacy with special message for 1<sup>st</sup> year B.Pharm students.
- ❑ Students participated in various cultural performances (such as ramp walk, dance, song drama etc). Alisha Sharma, shiva upadhyay, anuj sharma (2<sup>nd</sup> year), Vikram sisodia (3<sup>rd</sup> year), along with Muskan Gupta boasted of with wonderful dance performances. Kunika Gupta (1<sup>st</sup> year), Suryapal singh (3<sup>rd</sup> year) and few others created the atmosphere with their melodious singing performances.
- ❑ Muskan Gupta and Akhtar (1<sup>st</sup> year) were chosen as the Ms. and Mr. fresher of the 2016, from B.Pharm 1<sup>st</sup> Year by Judge Faculties.
- ❑ The whole event was co-ordinated and managed by Cultural Co-ordinators Dr. Monika Singh and Mrs. Priyanka Shrivastava.

## Highlights

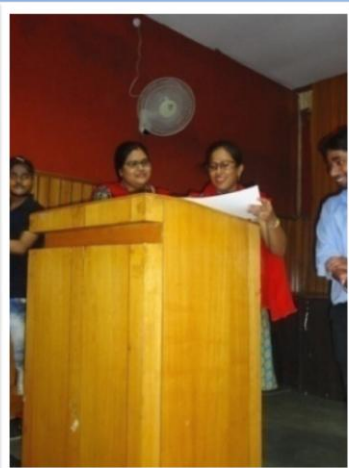




## TEACHER'S DAY 2016 CELEBRATION

- ❑ A teacher's day was celebrated by B.Pharm students of Anand College of Pharmacy on 6<sup>th</sup> September (in lieu of 5<sup>th</sup> September, Sunday) at Radhakrishnan Hall in memory of Dr. Sarvepalli Radhakrishnan to pay homage to the teachers.
- ❑ The event was inaugurated by Dr. Kashmira J. Gohil, Dean, Anand College of Pharmacy. The significance of Teacher's day was highlighted with future message in the welcome address by Dr. Kashmira J. Gohil.
- ❑ The whole event by Cultural Co-ordinators Dr. Monika Singh and Mrs. Priyanka Shrivastava under the guidance of Dr. Kashmira J. Gohil.
- ❑ The vote of thanks was delivered by Dr. Pankaj Verma on the behalf of teachers of Anand College of Pharmacy.

## WORLD PHARMACIST DAY CELEBRATIONS



Students of Anand College of Pharmacy celebrated “**World Pharmacist Day**” on 25<sup>th</sup> September 2016 with poster presentations, slogan writing competition, rangoli making competition and presentations on Dengue-chikungunya i.e “Dengue-chikungunya Jagrukta Abhiyaan”.

**Dr. Kashmira J. Gohil**, Dean, Anand College of Pharmacy addressed the audience and congratulated them for honoring world pharmacist day. She informed that in some places this world pharmacist day celebrated two to three days and weeks together. She also motivated students and staff to keep actively participating in such events.

Students expressed their creative ideas through posters. The first prize of the poster presentation won by **Samar Shahid** (B.Pharm 2<sup>nd</sup> Year), second prize to **Yashi Gupta** (B.Pharm 3<sup>rd</sup> Year) and **Fatima Zehra** (B.Pharm 2<sup>nd</sup> Year) and third prize to **Manika** (B.Pharm 4<sup>th</sup> Year) and **Arshad** (B.Pharm 1<sup>st</sup> Year).

In slogan competition **Rajat Sagar** (B.Pharm 3<sup>rd</sup> Year) secured first, **Kartik Singhal** (B.Pharm 2<sup>nd</sup> Year) – **Aman Rai** (B.Pharm 1<sup>st</sup> Year) secured second and **Akhtar Alam** (B.Pharm 1<sup>st</sup> Year) secured third place.

In Rangoli Making completion **Muskan Gupta and Tanvi Vashny** (B.Pharm 1<sup>st</sup> Year) stood first, **Siddharth Chaurasia and Abhijeet Biswas** (B.Pharm 4<sup>th</sup> Year) second and third by **Manika Kulshreshtha and Kalpana Yadav** (B.Pharm 4<sup>th</sup> Year).

**Rajat Sagar** (B.Pharm 3<sup>rd</sup> Year) presented a wonderful seminar on Dengue- chikungunya awareness. He told Dengue fever is a painful, debilitating mosquito-borne disease caused by any one of four closely related dengue viruses. An estimated 400 million dengue infections occur worldwide each year, with about 100 million resulting in illness. Most cases occur in tropical areas of the world, with the greatest risk occurring in India, Southeast Asia, Southern China, Africa, Central and South America. Dengue fever is transmitted by the bite of an Aedes mosquito infected with a dengue virus. The mosquito becomes infected when it bites a person with dengue virus in their blood. It can't be spread directly from one person to another person. **Symptoms**, which usually begin four to six days after infection and last for up to 10 days, may include sudden high fever, severe headache, severe joint and muscle pain, nausea- vomiting and skin rashes, which appears in two to five days after the onset of fever.

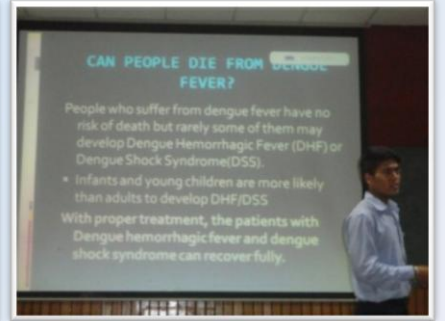
There is **no vaccine** to prevent dengue fever. The best way to prevent the disease is to prevent bites by infected mosquitoes, particularly if you are living in or traveling to a tropical area. This involves protecting yourself and making efforts to keep the mosquito population down.



There is no specific medicine to treat dengue infection. For dengue fever, you should use pain relievers with *acetaminophen* and *avoid medicines with aspirin*, which could worsen bleeding. You should also rest, drink plenty of fluids, and see your doctor. If you start to feel worse in the first 24 hours after your fever goes down, you should get to a hospital immediately to be checked for complications.

The coordinators of the event: 1) **Dr. Monika Singh** and 2) **Ms. Priyanka Srivastava**, delivered a vote of thanks on the successful completion of the World Pharmacist Day celebration and concluded the event.

# Highlights





## PCI Inspections

- Anand College of Pharmacy has successfully completed inspection for **B.Pharm** on 16-17<sup>th</sup> August 2016 conducted by PCI Inspectors:- Dr. Alok Pal Jain, & Dr. Sanjay Kumar Jain
- Anand College of Pharmacy has successfully completed inspection for **M.Pharm** on 24-25<sup>th</sup> October 2016 conducted by PCI Inspector- Dr. Swarnlata Saraf & Dr. Deependra Singh

## Faculty's Achievements

### Ph.D. Awarded

A Ph.D. awarded to **Dr. Mukesh Kumar Kumawat** in Pharmaceutical Sciences on the title "Synthesis and Antimalarial Activity Evaluation of Some Novel Tetraoxane Derivatives" from Dibrugarh University, Dibrugarh, Assam on 27<sup>th</sup> June, 2016.

### Ph.D. Completed

A Ph.D. was completed by **Dr. Pankaj Verma** (Asst. Prof.) in Pharmaceutical Sciences on the title "Pharmacokinetic study of DRDE-07: Probable Antidote for Sulfur mustard toxicity" on 20<sup>th</sup> October 2016.

### FDP/Seminar/Conference Attended

1. FDP (Faculty Development Program) conducted by AKTU, Lucknow in "Human values and Professional Ethics" was attended by **Dr. Mukesh Kumar Kumawat, Dr. Pankaj Verma and Mr. Arun Kumar** from 23<sup>rd</sup> to 30<sup>th</sup> December 2016 at HCST, Farah, Mathura.
2. Poster was presented by **Dr. Monika Singh** (Lecturer) in 2 day national Conference. "APTI –Haryana State Branch" on Theme: 'Current scenario and challenges in Industrial-Academia Interaction in Pharmaceutical Sector', which was held on 11-12<sup>th</sup> November 2016 at JCDM College of Pharmacy, Sirsa, Haryana.
3. Workshop on "Positive Parenting" was attended by **Dr. Monika Singh and Mrs. Shamshad Begum** on 20<sup>th</sup> December 2016 at SGEI head office by Dr. Naveen Gupta Sir.
4. One day seminar was attended by **Mrs. Shamshad Begum** in HIMCS, Farah, Mathura on Doctoral Conference on 30<sup>th</sup> July 2016 on 20<sup>th</sup> December 2016.

### Research Projects submitted

1. **Development of Novel Antimalarial Agents:tetraoxanes against CQ (Chloroquine) -resistant strains of malaria. (Dr. Mukesh Kumawat)**  
Estimated Budget: Rs. 25,00,000/-  
Budget Proposed to: AICTE
2. **Isolation, Biosynthesis, Molecular Modeling of 12-Lipoxygenase Inhibitor Flavonoid Derivatives and Development of Anti-diabetic Composition. (Dr.Rekha Rajput)**  
Estimated Budget: Rs. 11,59,200/-  
Budget Proposed to: UGC, DBT, ICMR
3. **Anti-Urolithiatic Activity of Hydro-alcoholic Extracts of Bi-herbal Formulation as Free Radical Scavenger. (Mrs. Priyanka shriastava)**  
Estimated Budget: 3.0 Lac  
Budget Proposed to: UGC, DBT, ICMR
4. Proposal under the scheme: **MODROB - MODERNISATION & REMOVAL OF OBSOLESCENCE (Dr. Kashmira Gohil - , Dean)**  
Estimated Budget: 20,00,000/-  
Budget Proposed to: AICTE.



1. **Kumawat MK**, Singh UP, Singh B, Prakash A and Chetia D. Synthesis and Antimalarial Activity Evaluation of 3-(3-(7-chloroquinolin-4-ylamino)propyl)-1,3-thiazinan-4-one derivatives. *Arabian Journal of Chemistry* **2016**, ISSN: 1878-5352, 9, S643–S647. doi:10.1016/j.arabjc.2011.07.007. (Impact Factor-3.613).
2. **Kumawat MK**, Parida P and Chetia D. Synthesis, Antimalarial Activity Evaluation and Docking Studies of Some Novel Tetraoxaquinones. *Medicinal Chemistry Research* **2016**, ISSN 1054-2523, 25 (9), 1993–2004. DOI 10.1007/s00044-016-1644-5. (Impact Factor-1.436).
3. Gogoi J, Chetia D, **Kumawat MK** and Rudrapal M. Synthesis and Antimalarial Activity Evaluation of Some Mannich Bases of Tetraoxane-Phenol Conjugate. *Indian Journal of Pharmaceutical Education and Research*, ISSN-0019-5464, 2016, 50 (4), 08-13, DOI: 10.5530/ijper.50.1.2.

## EXTRA CURRICULAR ACTIVITIES

### Sports



- The Students (Girls and Boys) of Anand college of Pharmacy participated in the various sports events (cricket, volley ball, football, table tennis and badminton) at 'AAROHAN' organized by Anand Engineering College Technical Campus.
- The **boys** cricket team made their way to the semi finals and gave a tough fight to the opposing team.
- The **girls** volley ball team reached to the finals where they performed their best.
- The **girls** basket ball team also made their way to the semi finals.





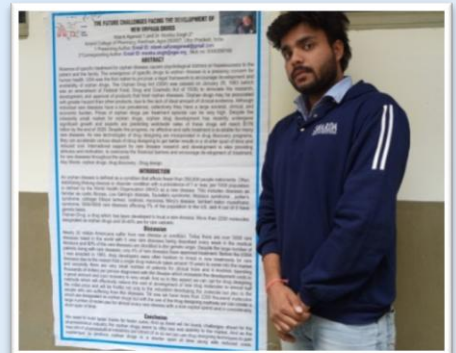
## Poster Presentations by Anand College of Pharmacy: 2 day National Conference at Sirsa Haryana

Posters were presented by two students **Mr. Pankaj Garg** and **Mr. Nitank Agarwal** (B. Pharm. 3<sup>rd</sup> year) under the guidance of **Dr. Monika Singh** (Lecturer) in 2 day national Conference. “3<sup>rd</sup> Annual Conference of Association of Pharmaceutical Teachers of India –Haryana State Branch” on Theme: ‘**Current scenario and challenges in Industrial-Academia Interaction in Pharmaceutical Sector**’, which was held on held on 11-12<sup>th</sup> November 2016 at JCDM College of Pharmacy, Sirsa, Haryana.

Pankaj garg presented poster on “**Health supplements and drugs as Neuroprotective Agents**”. Neurodegenerative disease is a leading cause of death all over the world, such as schizophrenia, depression, Alzheimer's Disease dementia, cerebrovascular impairment, seizure disorders, head injury and Parkinsonism. Neuroprotective agents may be beneficial for long-term brain health for e.g Acetylcholinase inhibitors, Acetylcysteine, Anti protein aggregation agents, Bacopa monnieri (BM), Caffeine, Crocin, Curcumin, Estrogen, Fish oil, Lithium Melatonin, Minocycline, Nicotine, Progesterone, Vitamin E etc.

Mr. Nitank Agarwal presented poster on “**The future challenges facing the development of new Orphan Drugs**”. Orphan drugs may be associated with greater hazard than other products, due to the lack of ideal amount of clinical evidence. Prices of orphan drugs per treatment episode can be very high. Experts are predicting worldwide sales of these drugs will reach \$176 billion by the end of 2020. Despite the progress, no effective and safe treatment is available for many rare diseases. As new technologies of *drug designing* are incorporated in drug discovery programs, they can accelerate various steps of drug designing to get better results in a shorter span of time and reduced cost.

Dr. Monika Singh (Lecturer) presented poster on “**Applicability of adjacency based molecular descriptors in drug discovery process**”. Almost about 10-15 years time was estimated to develop one new drug molecule. The average cost to discover and develop a single successful drug formulation is estimated around \$850 million to \$1 billion. Thus *in-silico* approaches have gained immense popularity and have become an integral part of the industrial and academic research, directing drug design and discovery. Adjacency based molecular descriptors are successfully utilized for predicting biomedical, toxicological, physicochemical, and technological properties of chemicals from their structure. Adjacency based molecular descriptors are useful in providing Lead structures for development of medicinal compounds in a shorter span of time and reduced cost.



## BHARTIYA SANSKRITI GYANPARIKSHA 2016-17

“BHARTIYA SANSKRITI GYAN PARIKSHA-2016-17” was organized by ‘Akhil Vishwa Gayatri Pariwar, Shantikunj, Haridwar (Uttarakhand)’ on 19<sup>th</sup> November 2016 at Anand College of Pharmacy, Agra. Total twenty one students of B. Pharm appeared for the test. The written test was co-ordinated by Cultural Coordinators Dr. Monika Singh and Ms. Priyanka Srivastava .

## HEALTH AWARENESS CAMP and SCHOOL CONNECTING PROGRAMME 2016-17

Anand College of Pharmacy had successfully conducted a “SCHOOL CONNECTING PROGRAMME 2016-17” in selected schools of Agra. The SCP coordinators **Mrs. M. Shamshath Begum (Asst. Professor)** and **Dr. Monika Singh (Lecturer)** conducted the program under the guidance of **Dr. Kashmira. J. Gohil (Dean, Anand college of Pharmacy)**.

They highlighted the issues of national importance and general awareness regarding Health (Dengue and its Safety) which is necessary for the community, specially the students who are the future of nation. The coordinators organized “SCIENTIFIC QUIZ COMPETITION-2016-17” for the 12<sup>th</sup> class students of 15 schools in and around Agra regions (including **M.D. Jain Boys Inter College**, Hariparvat, Agra, **St. Johns Girls Inter College**, M.G. Road, Agra, **Queen Victoria Girls Inter College**, Hariparvat, Agra, **St. Stephens Convent School**, 100 Futa road, Agra, **Hillman public School**, PaschimPuri, Agra, **Holy public School**, Sikandra, Agra, **Brij Public School**, RamBagh, Agra, naming the few).

They also explained the importance and need of Pharmacy, a noble profession, which endeavors to provide cost effective drugs and medicines to the people. They counseled students by highlighting how a student might maximize their ability by selecting correct profession at SGI group, which can help students to meet the changing needs of the profession. After that Mrs. Shamshath Begum and Dr. Monika Singh also did students’ “CAREER COUNSELLING” by clarifying their doubts regarding pharmacy, engineering, BBA, MBA and other profession.

दैनिक जागरण
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### स्कूली बच्चों को किया जागरूक

- ♦ आनंद कॉलेज फार्मसी द्वारा रखा जा रहा है स्वास्थ्य जागरूकता अभियान
- ♦ स्कूलों में आयोजित की साइंटिफिक विज

**आगरा:** आनंद कॉलेज ऑफ फार्मसी द्वारा विभिन्न स्कूलों में स्वास्थ्य जागरूकता अभियान चलाया जा रहा है। फार्मसी विज्ञानिक, सेंट जॉन्स गर्ल्स इंटर कॉलेज,

**इन बिंदुओं पर दी जानकारी**

- ♦ किसी बीमारी के लिए किन डॉक्टरों पर परामर्श देना ही सही चला है।
- ♦ किसी की रक्षा पर ध्यान न दें, क्योंकि आत्म-अपना बीमारियों के कारण एक जैसे ही सकते हैं।
- ♦ दवा खरीदते समय एक्सपर्टों से बात कर लेते हैं।
- ♦ दवाओं को खरी तोरफे से स्टोर करें। बीमारी के लक्षण पर शीघ्र डॉक्टर से सलाह लेना ही सही है।
- ♦ जलवायु परिवर्तन को बचाने की पहल से शुरू करें।



आनंद कॉलेज ऑफ फार्मसी के जागरूकता शिबिर में मंजूद शिक्षक और छात्र-छात्राएं।

एचडी जैन, एचआर इंटर कॉलेज, चित्तौड़ प्रोग्रेसिव इंटर कॉलेज, हिस्सैन पब्लिक स्कूल, बुज पब्लिक स्कूल के बच्चों को स्वास्थ्य को लेकर जागरूक किया गया।

स्वास्थ्य तथा वास्तु के विचारों के लिए साइंटिफिक विज्ञान प्रतिभागिता आयोजित की गई। डॉ. मोनिका सिंह ने बच्चों से कुछ विषय पर व्याख्यान दिया। कॉलेज की डायरेक्टर डॉ. कश्यपरा ने महिला के निर्देशन में एम शमशाद बेगम तथा डॉ. मोनिका सिंह अभियान का संचालन कर रही हैं।





# Highlights





## Quality Improvement Program at DIPSAR



An AICTE sponsored Quality Improvement Program on “Recent Advances in Pharmaceutical Sciences” was attended by Dr. Kashmira J. Gohil (Dean, Anand College of Pharmacy) and Mr. Arun Kumar (Assist. Prof.) at Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR), Delhi Pharmaceutical Sciences and Research University (DPSRU), Government of India, New Delhi, NCR, on 05.12.16 to 9.12.16.

The 5 day QIP was attended by total 13 eminent personalities from various health sciences backgrounds who enlightened total 30 participants on updates, skills and hands on training on recent advances in pharmaceutical sciences.

## Highlights





## A Summary Lecture to Faculties on QIP, DIPSAR






- A Summary lecture and interactive session with faculties was organized on “Recent Advances in Pharmaceutical Sciences” by Dr. Kashmira J. Gohil (Dean) at Anand College of Pharmacy on 29.12.16.
- The lecture was based on key essential points of 13 speakers in 5 day QIP at DIPSAR, Delhi.

## Highlights



## Meritorious Students of B.Pharm Session (2015-16)



B.Pharm.	1 <sup>ST</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
1 <sup>st</sup> Year	Result awaited in Maths		
2 <sup>nd</sup> Year	 Mr. Pankaj Garg	 Mr. Nitank Agarwal	 Ms. Karishma
3 <sup>rd</sup> Year	Result awaited in Medicinal Chemistry		
4 <sup>th</sup> Year	 Sanchita Kanjilal	 Ms. Nandini Pathak	 Bhavna Nohwar

## AKTU - SPOKEN TUTORIAL PROJECT

•All the students of Anand College of Pharmacy, Agra have actively participated in Semester Training Programme of AKTU- Spoken Tutorial project started in current semester, session-2016-17 and completed two hours training of Libre Office Calc, Libre Office Impress and Libre Office Writer.

•AKTU- Spoken Tutorial project is the initiative of the “Talk to Teacher” project of the National Mission on Education through Information and Communication Technology, launched by MHRD, Govt. of India. The objective of the programme is to pass on the knowledge of technology and free and open source software (FOSS) through the website to the millions in our country who lack opportunities and/or access to learn any software.

•The programme coordinators are Dr. Rekha T. Rajput and Mr. Amit Gupta.



## Medicinal benefits of Doob grass (*Cynodon dactylon*)

**Ms. Priyanka Srivastava**  
Lecturer , ACP

Doob grass also known as durva grass, dog's-tooth grass, couch grass, Indian doob etc is a simple of grass kind but has hidden many benefits and properties in it. It is like a nature gift for all the living beings. It is fresh and evergreen. It has numerous health benefits; some of them are listed below-

- 1. For Epilepsy:-**In case of Epilepsy extract of whole grass can be helpful to cure Epilepsy. Mix the powder of sandalwood and sugar in its juice and give this to the patient.
- 2. For Vomiting:-** Give the juice of doob grass to the patient. Give doob grass with water in which rice is rinsed. It cures vomit due to pitta.
- 3. For Nasal bleeding:-**  
There can be various reasons for nasal bleeding; it can be occasional as well as continued too. Well, now we have got a natural method to cure nasal bleeding by making a juice of pomegranate flowers with doob grass and harad. It controls nasal bleeding due to Tridosha. Or, take nasya of doob grass juice, grapes, sugar cane juice, cow's milk, onion juice and flowers of pomegranate. Put drops of juice of its whole plant in the nose. It promptly controls nasal bleeding.
- 4. For Urinary problems:-**  
In case of any kind of urinary or renal disorders take a decoction of doob grass and give it to the patient. It relieves and causes excess urination. Mix doob grass with sugar. Grind and strain the solution. Give it to the patient. It controls blood flow in the urine. Grind doob grass in milk and strain the solution. Give this to the patient; it cures burning sensation during urination.
- 5. For Skin problems:-**  
In case of skin problems like itching and eczema, take 4 cups of doob grass and prepare a medicated oil. Apply this oil on the affected areas. It cures eczema and itching problems. Grind doob grass with turmeric and apply the paste. It cures eczema and itching of skin.
- 6. For Headache:-**Take equal quantities of doob grass and grams. Grind them in water and form a paste. Apply this paste on forehead. It cures headache.
- 7. For Ascites:-**Grind doob grass with black pepper. Give this to the patient thrice a day. It causes excess urination which helps to cure ascites and swelling of the body.
- 8. For Diarrhoea:-**Give fresh juice of tender doob grass. It has binding properties and is beneficial in curing diarrhoea. Boil doob grass with ginger root. Give this solution to the patient.
- 9. For Diseases in children:-**Grind doob grass with long branches. which generally grows around well. Strain the solution and add 2-3 gm; finely powdered nagkesar and green cardamom. Give this to the child, whose palate has gone weak. Put a few drops in child's nose and let the child inhale it. Its consumption gives energy to the body.
- 10. For Bleeding diathesis:-** Grind white doob grass in water. Strain the solution through a fine cloth. Add sugar candy to it and give this to the patient. It is beneficial in leucorrhoea.

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