



Mahatma Gandhi Shikshan Mandal's
Smt. Sharadchandrika Suresh Patil College of Pharmacy,
Chopda-425107, Dist. -Jalgaon, Maharashtra, India

(Affiliated to North Maharashtra University, approved by Govt. of Maharashtra, AICTE and Pharmacy Council of India)

CHOPDA-425107 DIST.JALGAON (M.S.), INDIA

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(Estd 1992)

NEWSLETTER 2012-2013

(FOR INTERNAL CIRCULATION ONLY)

Smt. Sharadchandrika Suresh Patil College of Pharmacy Chopda was established in 1992 as self financed pharmacy college in the North Maharashtra University, (NMU) Jalgaon. The institution has made a steady progress during last 24 years. In the year 2006 with the intention of making this institution a centre of higher learning, started M. Pharm. in Pharmaceutics (2006) later M. Pharm in Pharmacognosy (2007) and centre for Ph. D. in Pharmaceutical Sciences (2011). All the courses conducted in this Institution are recognized by Pharmacy Council of India, New Delhi and All India Council for Technical Education, New Delhi. B. Pharm., M. Pharm. and Ph. D. courses are affiliated to North Maharashtra University, (NMU) Jalgaon.



OUR AFFILIATION: North Maharashtra University was established on August 15, 1990. In 2001, NAAC Accredited the prestigious 4 Star Status to the University. The university was recredited by NAAC as 'B' (CGPA 2.88 on 4 point scale) Grade University

EDITORIAL BOARD:

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President Desk: Hon. Adv. Bhaiyasaheb Sandeep Suresh Patil,
President, MGSM, Chopda



Warm regards to our Pharmacy College for their Newsletter 2012. This issue provides the information on recent Pharma updates. I am sure that this newsletter help our pharmacists to give effective healthcare to general public. This is a great creative work for our students that has been undertaken by our pharmacy college to up bring professionalism in them and make them a perfect pharmacists. All the best.

Principal Desk:
Dr. G.P.Vadnere, Principal



Pharmacy profession is an integral part of health care system. It is expanding up the horizon and setting a new trend with respect to the educational system and career opportunities. In line with our vision of providing an exciting and challenging learning and research environment designed to develop independent, innovative and creative ideas our college has taken up the task to bring out the issue of Pharmacy newsletter 2012. We are of the conviction that giving roots of values is significant so that our students remain firmly rooted to the ground. We give our students wings of ambition, so that they can soar like falcons to touch the skies and endeavor to make them global citizens who can look beyond geographical boundaries to get inclined towards successful careers and looking for a new walk of life. I wish them all success for this endeavor.

EDITORIAL DESK

I find immense pleasure in writing this editorial column. This newsletter is a short summary of the different events, programs, awards that were taken and achieved by our college. Also, it provides some of the Pharma news of this year which would help our students and the Pharma professionals to know the outer world. This would in turn help them to update their knowledge. Thanking you all for the reading....!



Mrs.Kranti.D.Patil



Leech knowledge revisited!!

- There are 650 known species of leeches.
- The largest leech is 1.5 feet long.
- The leech has 32 brains - 31 more than a human.
- The Hirudo leech has three jaws with 100 teeth on each jaw - making 300 teeth in all.
- The bite of a leech is painless due to its own anaesthetic.
- The leech will gorge itself up to five times its body weight.
- The first leech was used in medicine about 1000 B.C., in ancient India.
- In plastic and reconstructive surgery leeches have helped to save the limbs of patients in 29 different countries.
- By extracting the anti-clotting serum from the leech researchers are isolating new pharmaceutical compounds for eventual treatment of heart diseases.
- The Cost of each leech in U SA is around 7.5 \$

When an artist, engineer and doctor combines, it forms the most talented and awesome person of the society called a pharmacist

INTELLECTUAL PROPERTY RIGHTS AND INNOVATION: MNCs in Pharmaceutical Industry in India after TRIPS

The principal economic rationale for granting patents is that it will stimulate investment for research for innovation. This is the expected positive effect. But, patent rights which exclude others from producing and marketing the product, lead to inhibition of competition and hence high prices and hence less access. This is the negative effect. After India re-introduced product patents in pharmaceuticals in line with TRIPS, MNCs have started marketing new patented drugs at exorbitant prices particularly for life threatening diseases such as cancer. The impact is supposed to be positive. The MNCs are contributing to technological progress in the country to justify product patent protection. Among the ways the MNCs can contribute are by enhancing their R&D efforts; by properly using the patent system for genuine inventions and not for preventing generic entry and by locally working the patents obtained. The study shows that MNCs have not enhanced their R&D activities in India after TRIPS. In fact, one observes deterioration in recent years. MNCs are more keen to import patented drugs and market these in the country rather than to manufacture these and contribute to technological progress.

GUEST DESK



Dr. Mahesh Burande, Hon. Director IPER, Pune

It's a very innovative idea of this college of publishing the newsletter which will improve the quality of education for the students which in turn will help them to update themselves and make them more creative. About the college to say it has warm hospitality, quality education and positive environment to develop competent pharmacist.



Dr. A.R. Siddiqui, Professor at Shri. Bhagwan college of Pharmacy, Aurangabad

I am happy to know that Smt S.S. Patil college of Pharmacy, Chopda is going to publish the Pharmacy-Newsletter. It's good to know that this newsletter will help for research studies and make the reader updated to new events, happenings in the college as well as with the outer world.

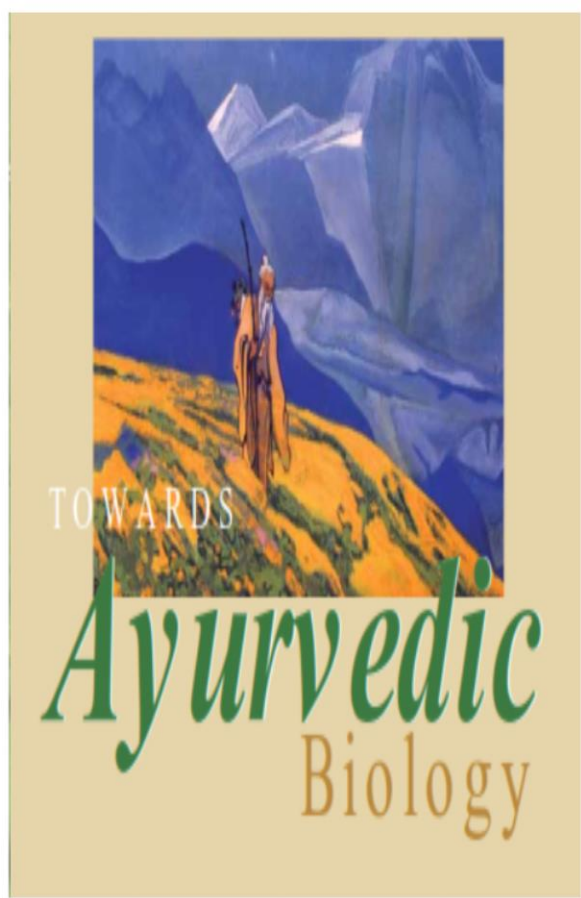


Fig. 1 Caraka's House for Treatment
(Based on Caraka's description and the design of houses in the Kusana period when Caraka lived: the house had rooms for patients, physicians, attendants, medications, procedures, musicians, story tellers and friends. It was located in serene surroundings.

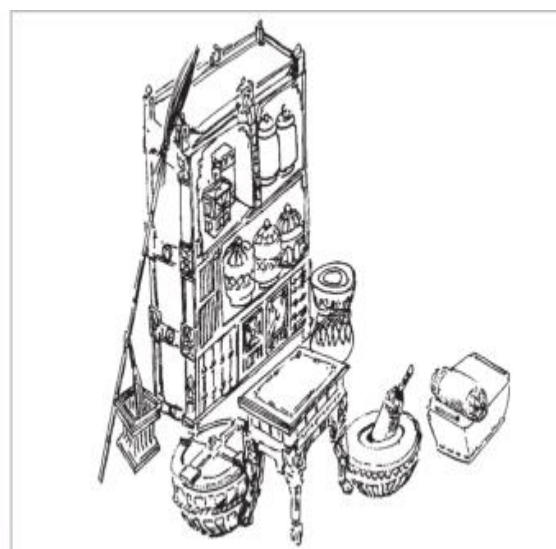


Fig. 2 A patient's room
in Caraka's House for Treatment; furniture, flowers, ventilation, etc., were specified

OUR COLLEGE TOPPERS (2012-2013)

COLLEGE TOPPERS

M. Pharm

Pharmaceutics



Vaijnath Sonvale
70.00 %

Pharmacognosy



Laxmi Mishal
67.00 %

IVth Year B. Pharm VII th SEM

First



Mahajan Pradip Govinda
74.20 %

Second



Patil Dipak Sudhakar
74.20 %

Third



Beldar Dipali K.
72.50 %

IIIrd Year B. Pharm Vth SEM

First



Badgujar Vaishali Madhukar
80.09 %

Second



Patil Kalyani Vikas
79.36 %

Third



Bhosale Pranoti Pravinrao
78.42 %

IIInd Year B. Pharm IVth SEM

First



Kankhare Alpa Gorakh
73.78 %

Second



Patel Leena Shyamsunder
73.11 %

Third



Kamalja Hema Gopal
72.78 %

Ist Year B. Pharm IInd SEM (CGPA system out of 10)

First



Sonwane Bhagyashri Vasant
7.62

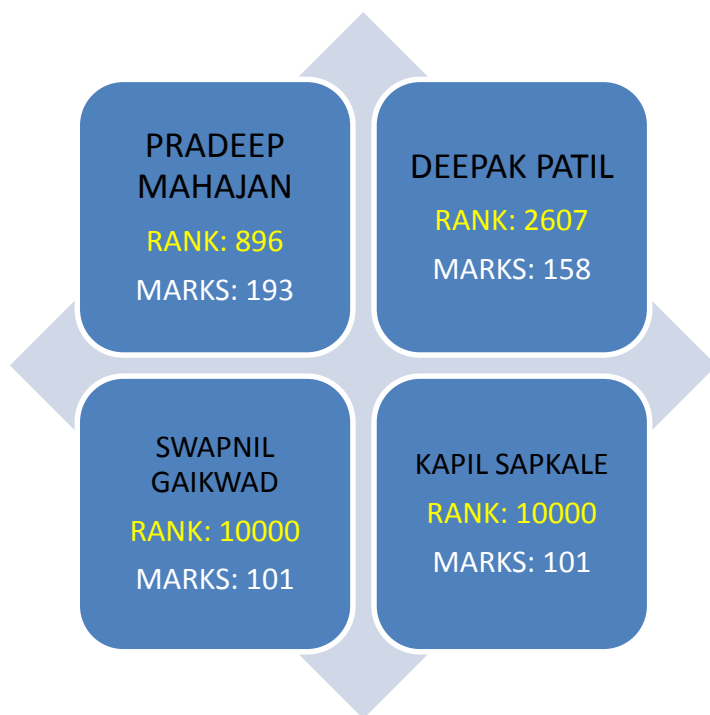
Second



Patel Akshay Shashikant
7.5



GPAT CRACKERS 2013



RESULT ANALYSIS 2012-2013 (1st SESSION)

Sr. No.	Class	Total No. of Student Appeared	Total No. of Student Passed	% Result
1	First Year B.Pharm (CGPA)	61	59	97
2	Second Year B.Pharm	69	69	100
3	Third Year B.Pharm	64	64	100
4	Final Year B.Pharm	64	64	100
5	M.Pharm (Pharmaceutics)	10	10	100
6	M.Pharm (Pharmacognosy)	10	09	90

PROJECT REPORT 2012-13

Project report 2012-2013 Ph.D. (Pharmaceutical Sciences) Students Name & Project Title

Sr. No.	Name of Students	Thesis Title
1	Mr. TUSHAR P. PATIL	Phytochemical and Pharmacological screening of Piper longum and Ayurvedic preparation of 64 pimpli
2	Ms. Jayashree A.Tayade	Formulation and Pharmacological evaluation of Polyherbal gel
3	Mr. Manish V.Patil	Phytochemical and Pharmacological Investigation of Brusera serrata
4	Mr. Aslam Pathan	Phytochemical and Pharmacological Investigations on Few Indigenous Anti-asthmatic herbs
5	Ms. Bharti N.Adgaonkar	Investigation of Antidiabetic potential of few traditional herbs
6	Ms. Rupali Sarpate	Extraction, Isolation and Characterization of Anthocyanin Pigments of Ficus Racemosa

Sr. No.	Name of Students in M.Pharm (Pharmaceutics)	Thesis Title
1	Mr. Vajinath C.Sonvale	Formulation & evaluation of oral dissolving films of Metoclopramide HCl
2	Mr. Mayur D.Zope	Formulation & Evaluation of Sustained release microspheres of Catoprile
3	Mr. Surendra R.Pal	Taste masking of Chloroquine phosphate by using ion exchange resins
4	Mr.Vijay I. Chaudhari	Formulation & Evaluation of transdermal patches of repaglinide
5	Mr.Swapnil D.Salunkhe	Formulation & Evaluation of fluconazole powder for oral suspension
6	Mr.Tushar Patil	Solubility enhancement of papliperidone by solid dispersion method
7	Mr.Bhushan N.Shirude	Formulation & evaluation of insitu ophthalmic gel of lidocaine HCl
8	Mr. Kundankumar C. Patil	Formulation & Evaluation of buccoadhasive drug delivery system of captopril
9	Ms. Prerna N. Jadhav	Formulation & Evaluation of floating matrix tablet of Ketorolac tromethamine
10	Ms. Neelam K. Rajput	Solubility enhancement of glibenclamide by microemulsion technique

Sr. No.	Name of Students in M.Pharm (Pharmacognosy)	Thesis Title
1	Mr.Pratik J.Patil	Phytochemical & pharmacological Investigations of Aristolochia bracteolate Lam
2	Ms.Laxmi H. Mishal	Studies on the antisnake venom potential of seed oil of Balanite aegyptical
3	Mr.Naresh R.Patil	Phytochemical & pharmacological investigation of Commelina benghalensis
4	Mr. Ravindra S. Sonawane	Standardisation & Evaluation of Vikrant bhasmas & its pharmacological activity
5	Ms.Kavita P. Saner	Phytochemical & pharmacological investigations of Eclipta alba

AWARDEES



Ms.Prita Jain (T.Y.B.Pharm) & Mr.Balasaheb Patil
(T.Y.B.Pharm) receiving certificate at university level
Seminar organized by Dept of microbiology,
ASC College, Chopda



Mr.Nilesh Shimpi (Final year B.Pharm) at
APP 2nd Annual National Convention,
Chandwad.



Mr. Amit Patil (T.Y. B.Pharm) at APP 2nd Annual National
Convention, Chandwad.



Mr.Hemant Chaudhari (F.Y.B.Pharm) & Prof.Md.Rageeb
at APP 2nd Annual National Convention, Chandwad

SCIENTIFIC PAPER PUBLICATIONS

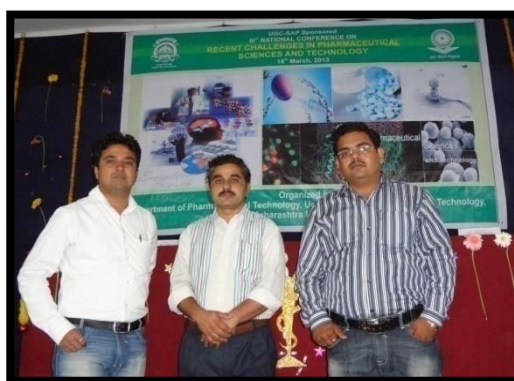
At APP 2nd Annual National Convention, Chandwad



At IPSCON 2012 at Ramptex, Nagpur



At UGC sponsored National Conference on Recent Challenges in Pharmaceutical Sciences and Technology”



Dr.A.V.Patil with Prof.Vijay Jagtap & Prof.Bhushankumar Sathe at UGC sponsored National Conference on Recent Challenges in Pharmaceutical Sciences and Technology” organized by division of Pharmaceutical technology, Dept of Chemical technology , North Maharashtra University, Jalgaon, 16th March 2013.

Our students at Bhartiya Chhatra Sansad held at Pune 10-12th Jan 2013



PCI INSPECTION



STUDY TOUR



M.Pharm (Pharmaceutics) students at Dr.Reddy's Lab, Yanam Pondicheri



M.Pharm (Pharmaceutics) students with
Mr.Anand Deshmukh, Plant Head, at
Dr.Reddy's Lab, Yanam Pondicheri



Mr Aslam Pathan (Ph.D. Research Scholar) with
Dr.M.Sabu at Calicut, Kerala

Aashayin (A fresher's welcome)



SPORTS EVENT "SPARODHAN"



Mrudul 2013 – Cultural Event & Extracurricular activities





❖ Big Pharma's newest invention: Adult ADHD,

There is good news and bad news about attention deficit/hyperactivity disorder (ADHD) — that is, if you're a drug company. The bad news is the kid market has peaked out with 4.5 million U.S. children now carrying the label. The good news is adult ADHD is an emerging market. In fact, adult ADHD, with symptoms similar to pediatric ADHD such as impulsivity, distractibility and difficulty paying attention, following instructions and meeting deadlines, is the next big thing.

❖ New patentability guidelines for pharmaceutical inventions

The number of patent applications filed in Argentina has increased consistently in the years following the 1995 implementation of the current patent legislation, which was introduced in order to comply with the standards set out in the Agreement on Trade-Related Aspects of IP Rights (TRIPs). The new guidelines for chemical-pharmaceutical inventions will also apply to all pending patent applications before the INPI.

Patentability guidelines

Polymorphs

Polymorphism is considered to be an inherent property of solid substances. Therefore, polymorphs are not inventions and are excluded from patentability. Processes for the preparation of polymorphs are considered to lack an inventive step.

Pseudopolymorphs

are now considered patentable only if claimed together with the base compound. If claimed separately, they are not considered patentable. Processes for the preparation of pseudopolymorphs are considered to be obvious and to lack an inventive step.

Enantiomers

When a racemic mixture is described in a previous document, it is considered to have been disclosed, although the enantiomers have different properties from the racemic mixture. Enantiomers will be patentable only where no racemic mixture has been disclosed in the prior art. Processes for manufacturing enantiomers will be patentable provided that the spectroscopic characterisation data has been included in the specification.

Markush-type claims

Compounds can be claimed through Markush-type claims, provided that examples representing the claimed compounds and characterisation data are included in the specification.

Selection inventions

The disclosure of a group of chemical compounds will force them to be included in the prior art for future applications, regardless of whether they were exemplified; therefore, selection inventions will lack novelty. Furthermore, processes for the preparation of medicines and pharmaceutical compositions are also considered to lack novelty when they are selected from a broader group of elements.

Salts and esters

Salts and esters are now considered to lack novelty and to be the same substance as that which has already been disclosed in the prior art.

Active metabolites

Active metabolites are now considered unpatentable when they are claimed separately from the base compound.

Prodrugs

Prodrugs are patentable, but these types of claim should exclude the active principle as such if this was already disclosed or considered unpatentable. Prodrug biological data should be included in the specification.

Compositions and formulations

Both compositions and formulations are now considered to lack an inventive step. According to the resolution,

the same criteria should apply to product micronisation and particle size claims. Nevertheless, formulation claims will be patentable if a long-lasting problem has been solved.

Combinations, doses and second medical uses

Claims for combinations, doses and second medical uses are considered to be banned from patentability, as they are equivalent to therapeutic treatments.

Analogue processes

Patentability of processes will be examined independently of their starting material, intermediates or end product. Processes for preparing drugs disclosed in the specification must be reproducible on an industrial scale.

Important websites

General Literature survey

Manufacturing equipment brochures.

http://www.niroinc.com/pharma_systems/pharma_literature.asp

CAS database: <http://www.cas.org/solutions/infopro.html>

Pharma news: <http://www.pharmabiz.com/>

<http://www.expresspharmaonline.com/>

<http://www.pharmalive.com/>

<http://www.americanpharmaceuticalreview.com/>

FDA new regulations: <http://www.regulations.gov/#!home>

Pharma industry information: <http://www.pharmaceutical-industry.info/>

Pharma development: <http://www.locumusa.com/download/>

Software for determination chemical and toxicological properties for newly identified chemical structures.

<http://www.organic-chemistry.org/prog/peo/>

Pharmacokinetic useful tools:

<http://www.summitpk.com/tools/tools.htm>

For searching of chemicals information and suppliers details:

<http://www.organic-chemistry.org/chemicals/>

Chemical drawing soft wares:

<http://about-chemistry-online.blogspot.in/2011/05/download-mdl-isis-draw-25-with-autonom.html>

Pharma Education related

GRE/TOEFL/USA/FPGEE related links

<http://deepikaimmadi.wordpress.com/>

International pharmacy colleges list with weblinks:

http://www.pharmacychoice.com/education/international_pharmacy_schools.cfm

<http://www.pharmacy.org/schools.html>

http://en.wikipedia.org/wiki/List_of_pharmacy_schools

USA pharmacy schools:

http://www.pharmacychoice.com/education/pharmacy_schools.cfm

Indian Pharmaceuticals:

http://www.medguideindia.com/drugs_new.php

List of Pharmaceutical Companies worldwide:

<http://www.pharma-info.com/sites/de/home.html>

<http://www.medilexicon.com/pharmaceuticalcompanies.php>

<http://www.pharmacy.org/company.html>

